€ 19.-

RAD BOOK 2016

The Radiology Guide to
Technology and Informatics in Europe

• IT • CT • MRI • Interventional • Mammo • R/F • Nuc • Displays/Printers
• Ultrasound • Injectors • Testing Devices

With 270° isocentric rotation, Infinix–i Rite Edition provides unparalleled flexibility and patient access even during the most challenging procedures. Its double c–arm design with 210° coverage and ultrafast rotation of 80°/s enables shorter breath hold times, reduced contrast medium and outstanding 3D imaging from head to toe without the need for moving the patient or the table.

IT-SOLUTIONS

	Management		
	RIS	**Small Business PACS**	**Enterprise PACS**
AGFA HealthCare	Orbis RIS	Impax	Impax
Canon	Canon Healthcare IT Suite	Canon Healthcare IT Suite	Canon Healthcare IT Suite
CHILI Digital Radiology		CHILI Modality PACS	CHILI PACS
ebit	Suitestensa RIS	Suitestensa PACS	Suitestensa PACS
EDL	Xplore Web Xplore Analytics Xplore Nuclear medicine	Xplore PACS Solution	Xplore PACS Solution
GE Healthcare	Centricity RISi with eRadCockpit	Centricity PACS with Universal Viewer	Centricity PACS with Universal Viewer
IMAGE Information Systems	iQ-RIS	MED-TAB	iQ-SYSTEM PACS
i-SOLUTIONS HEALTH	RadCentre RadCentre Analytics	RadCentre Multi-PACS Integration	RadCentre Multi-PACS Integration
itz-medi.com PACS & Telemedizin	ITZ Hyper.RIS	ITZ Hyper.ePACS	ITZ Hyper.PACS
KONICA MINOLTA		Acies ImagePilot	Acies
medi CAD			
medigration The Digital Company	WinRadiolog RIS	ImageBroker XS	ImageBroker
PHILIPS		IntelliSpace PACS	IntelliSpace PACS
PROTEC		CONAXX 2 and PROPAXX	
SIEMENS		*syngo*.plaza	*syngo*.plaza
ITH icoserve technology for healthcare			*syngo*.share and sense
VITAL			

Archiving			Image Distribution			
Cardiology PACS	**Long Term**	**Multimedia**	**Inhouse**	**Teleradiology**	**Portal Solution**	**Cloud Computing Application**
Impax for Cardiology	ICIS VNA	ICIS HYDMedia	ICIS Enterprise Imaging Suite Xero Viewer	ICIS Enterprise Imaging Suite Xero Viewer	ICIS	ICIS
	Canon Healthcare IT Suite	Canon Healthcare IT Suite	Canon Healthcare IT Suite	Canon Healthcare IT Suite	Canon Healthcare IT Suite	Canon Healthcare IT Suite
CHILI PACS	CHILI PACS	CHILI PACS	CHILI/Web	CHILI/Web	CHILI/Telemedicine Record	OmniPACS
Suitestensa CVIS	Suitestensa Archive	Suitestensa	Suitestensa Web Suitestensa Mobile	Suitestensa Web Suitestensa Mobile	Suitestensa Web	Suitestensa Web Suitestensa Mobile
	Xplore PACS Solution	Xplore PACS Solution	Xplore Web	Xplore Web	Xplore Web	Xplore Web
Centricity PACS with Universal Viewer	Centricity PACS with Universal Viewer	Centricity Clinical Archive (VNA L1-L4, XDS Repository)	Centricity PACS with Universal Viewer Zero Footprint	Centricity PACS with Universal Viewer Zero Footprint, Centricity 360	Centricity RIS with eRadCockpit, Centricity 360	Centricity 360
			MED-TAB	MED-TAB	MED-TAB	MED-TAB
	RadCentre Archiving Solution	RadCentre Archiving Solution	Health Relations RC	Health Relations RC	Health Relations RC	RadCentre as a Service
ITZ Hyper.PACS	ITZ Hyper.ARC	ITZ Hyper.PACS ITZ Hyper.WEB	ITZ Hyper.PACS ITZ Hyper.WEB	ITZ Hyper.TELEMED, ITZ Hyper.COM Dicom2Mail-Module	ITZ Hyper.WEB ITZ Hyper.TELEMED ITZ Hyper.COM ITZ Hyper.UP	ITZ Hyper.PACS Telearchive ITZ Hyper.WEB Cloud ITZ Hyper.ARC Cloud
	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot		
ImageBroker	ImageBroker	ImageBroker	ImageWeb	webConnect	PraxisPortal	PraxisPortal App
IntelliSpace cardiovascular Xcelera	IntelliSpace PACS	IntelliSpace PACS	IntelliSpace PACS Enterprise	IntelliSpace PACS Radiology	IntelliSpace PACS	
syngo Dynamics	*syngo*.plaza	*syngo*.plaza	*syngo*.plaza *syngo*.via WebViewer	*syngo*.plaza *syngo*.via WebViewer	*syngo*.plaza	teamplay *syngo*.plaza
	syngo.share and sense	*syngo*.share and sense	*syngo*.share and sense	*syngo*.share and sense	*syngo*.share and sense	*syngo*.share and sense
	VioSuite – Image Data Management (VNA)		Vitrea VitreaView	Vitrea VitreaView	VitreaView	VitreaView

S-Fusion

Enhance precision with premier imaging

Diagnostic precision is increased with a premier ultrasound equipped with powerful fusion imaging. With fast registration and precise alignment, S-Fusion on RS80A with Prestige helps improve diagnostic accuracy for interventional procedures.

Ultrasound system
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SAMSUNG

Dear Reader,

radiology is and continues to be a fascinating discipline. This is the tenth edition of RadBook and we are overwhelmed by the breakneck speed of technological innovation in imaging systems that produce an ever increasing flow of diagnostically relevant information.

Progress, however, has its price: today, the species of the general radiologist who is adept at diagnosing each and every organ in the body is virtually extinct. It might sound strange, but the fragmentation of radiology into sub-specialities triggers the formation of radiology groups in order to be able to provide physicians with "whole body" diagnostics but also to be able to survive economically. This paradigm shift that can be observed throughout Europe might have a major impact on healthcare delivery.

Collaborative care is the buzzword describing cross-departmental and cross-facility cooperation that aims to bundle specialist knowledge. This development requires not only modern hardware but also dedicated software that turns data into information. We will be tracking the trend towards Big Data and Deep Learning with great interest.

We should like to thank you for your loyalty in these past ten years and hope you enjoy this new edition in print and online.

Your editorial team

Daniela Zimmermann and **Guido Gebhardt**

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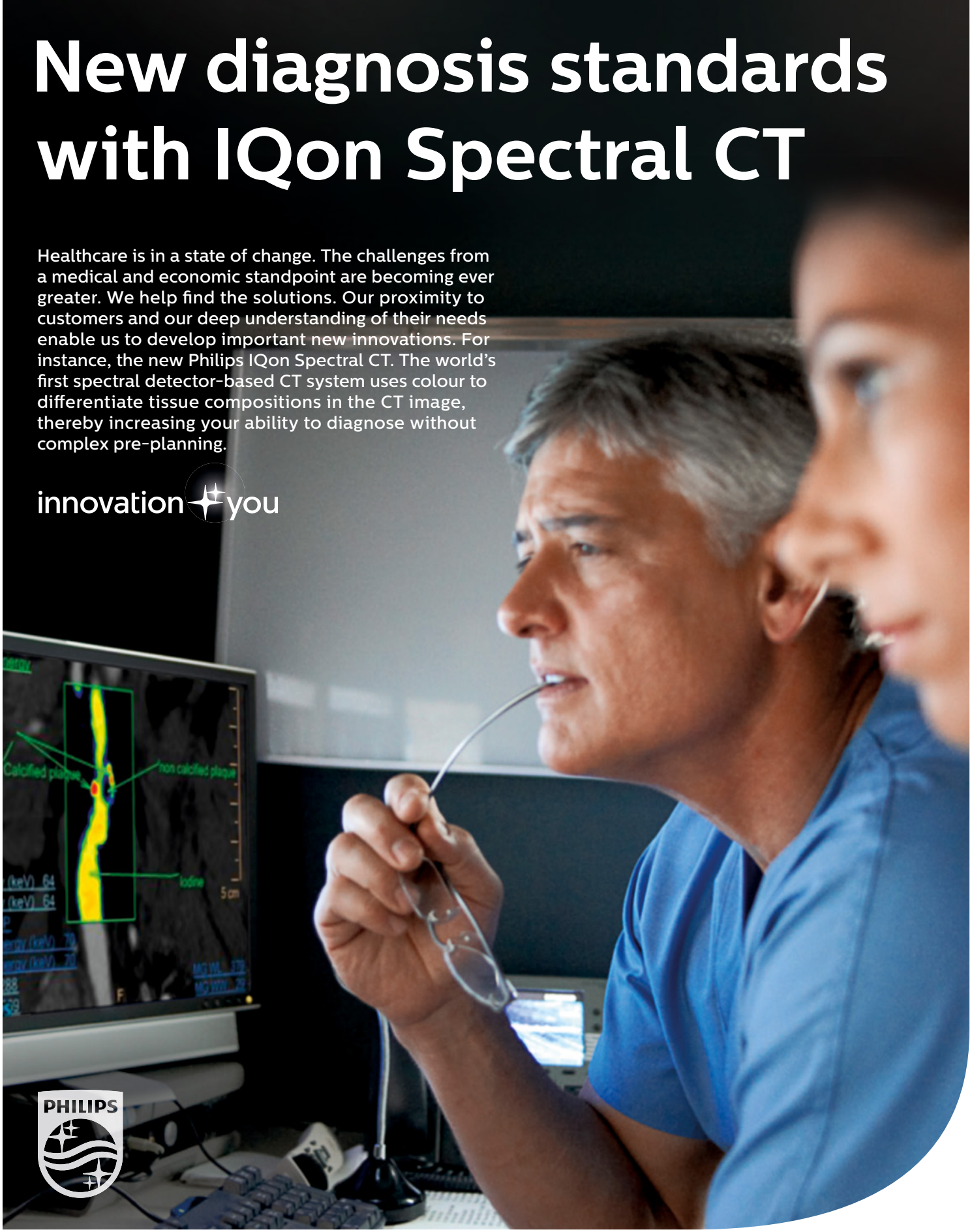
New diagnosis standards with IQon Spectral CT

Healthcare is in a state of change. The challenges from a medical and economic standpoint are becoming ever greater. We help find the solutions. Our proximity to customers and our deep understanding of their needs enable us to develop important new innovations. For instance, the new Philips IQon Spectral CT. The world's first spectral detector-based CT system uses colour to differentiate tissue compositions in the CT image, thereby increasing your ability to diagnose without complex pre-planning.

innovation + you



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www.philips.com/spectralct

PHILIPS

Computed Tomography

Dual Source

Volume CTs

20 to 64 Slices

2 to 16 Slices

Oncology CT

Digital Volume Tomography

Accessories / Complementary Systems

DUAL SOURCE CT

Siemens · SOMATOM Force

Slices per rotation 384 (2 x 192)
Power Up to 2,600 mA (2 x 1,300 mA)
Scan speed Up to 737 mm / sec
Gantry bore Up to 80 cm

Highlights
- Kidney-friendly scanning with significantly reduced contrast media amounts required (low kV imaging)
- Low dose early detection with up to 50 % dose reduction
- "Free-breathing" CT with outstanding native temporal resolution
- Fastest scan mode with the Turbo Flash spiral and a temporal resolution of 66 ms
- Precise dose neutral Energy quantification to add tissue information to morphology

Siemens · SOMATOM Definition Flash

Scan speed Up to 458 mm/sec
Power 200 kW (2 x 100 kW)
Temporal resolution 75 ms (Full Body)
Dual Energy Yes, DS

Highlights
- FAST CARE technology for workflow optimization (like FAST DE Results, FAST 3D align etc)
- Stellar detector for optimized low dose imaging and increased spatial resolution
- Split-second thorax imaging: avoiding breath hold or sedation in pediatric patients
- Simple low dose – all heart-scanning, without heart rate control, stability or patient size limitations

VOLUME CTS

GE Healthcare · Revolution CT

Slices per rotation 512
Spacial resolution 0.23 mm
Power 103 kW

Highlights
- Gemstone Clarity Detector for 80 or 160 mm detector coverage
- Unique image chain hardware with Volume HD reconstruction
- ASiR-V – up to 82 % lower dose*
- Best effective temporal resolution enabled by 0.28-second rotation speed combined with intelligent motion correction for excellent cardiac imaging at any heart rate
- Aorta, heart and lung in just 1 sec

** Compared to prior generation*

GE Healthcare · Revolution HD

Slices per rotation 128 to 256
Spacial resolution 0.23 mm
Power 100 kW

Highlights

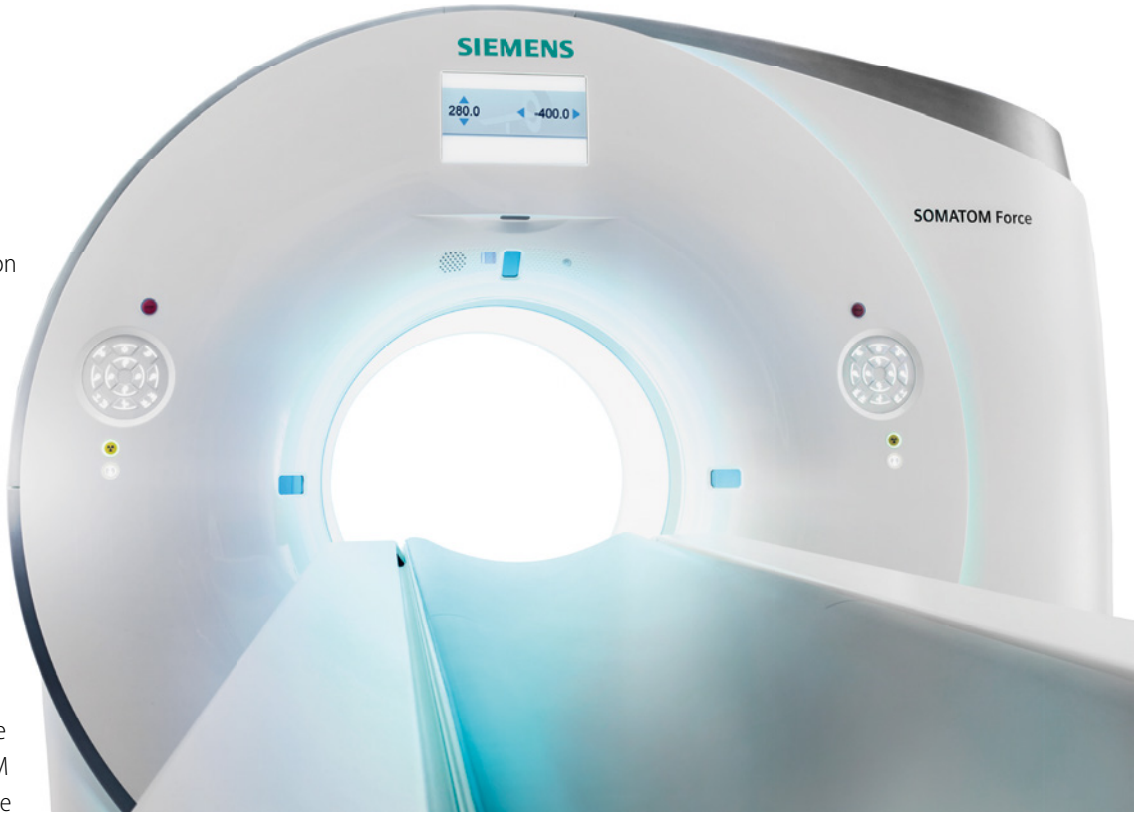
Revolution HD can reach any part of the body of virtually any patient and perform both generalized and specialized clinical applications, including:
- Gemstone Spectral Imaging – quantitative dual-energy CT
- Cardiac GSI
- Neuro imaging – Revolution HD ensures ample coverage to perform perfusion studies of the entire brain
- Gemstone detector – highest spatial resolution (0.23 mm)*
- SmartMAR – rawdatabased metal artifact reduction

** Compared to prior generation*

Hitachi · SCENARIA

Slices per rotation 64 / 128
Spacial resolution 17.1 Lp / cm
Power 72 kW

Highlights
- X-ray tunbe: 7.5 MHU
- Minimum scan time for all types of examination: 0.35 seconds
- Minimum slice thickness: 0.625 mm
- Open design concept with aperture diameter of 750 mm
- Unique laterally moving patient table
- New algorithms for iterative reconstruction: Intelli IP Advanced
- 475 mm wide patient table with weight limit of 230 kg



How Dual Source technology is revolutionizing computed tomography

Since launching SOMATOM Definition in 2005, Siemens has continued to develop Dual Source technology in order to overcome the remaining challenges in computed tomography. This significant development has made it possible to produce diagnostic images of a patient's beating heart and coronary vessels without having to artificially lower their heart rate, for example. Scanning speeds that were previously unimaginable are now achievable thanks to the temporal resolution of SOMATOM Definition Flash and SOMATOM Force Dual Source CT scanners. Increasingly, CT imaging is becoming standard in clinical routine for cardiology. A beating heart can now be scanned in fractions of a second with a radiation dose comparable to conventional X-ray imaging.

From emergency medicine to pediatrics, Dual Source computed tomography (DSCT) has sparked significant progress in numerous other fields of medical imaging – for all patients, regardless of their weight, age, and general state of health.

Technological breakthrough

Siemens built two measuring systems into the CT gantry positioned at 90 degrees from one another in order to achieve higher temporal resolutions and spectral image information. With two X-ray tubes and two detectors in a single system, the foundations for DSCT were laid. The two X-ray tubes and detectors rotate around the patients, acquiring the imaging information twice as fast as single source scanners.

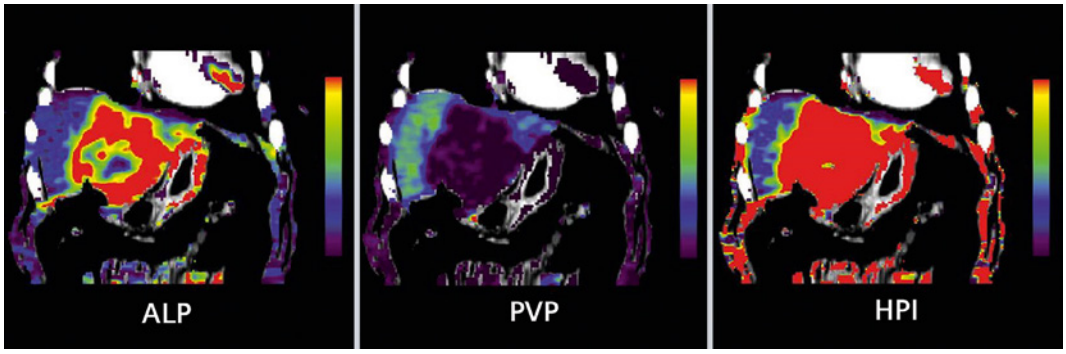
When two X-ray tubes generate radiation at different energy levels – with the electrical voltage of one tube set to 80 kilovolts (kV), and the other to 140 kV, for example – the procedure is called "spectral dual energy imaging". This technique allows physicians to differentiate between various materials in the body – tissue, bone, implants – with greater precision. It also allows functional parameters, such as the concentration of contrast medium in lungs, heart muscle, or tumors, to be displayed alongside morphological information.

Nowadays, computed tomography has DSCT to thank not only for its significantly higher speed, vastly improved image quality across the entire field of measurement, and greatly increased sensitivity and specificity. DSCT has also eliminated the need for numerous preparation and follow-up care procedures – including the administration of beta-blockers in cardiac CT or the sedation of babies – as well as for breath-holding for thorax imaging. It has enabled perfusion imaging to be successfully integrated into clinical routine, and radiation doses to be drastically reduced.

Fast diagnostics in emergency medicine

When a patient with acute chest pain is brought to the emergency room, time is of the essence. Quick and reliable imaging is key to making a fast and conclusive diagnosis. In order to improve the outcomes of patient treatment and to use the hospital's resources most efficiently, physicians must perform a triple rule-out and eliminate the three most common causes of chest pain: myocardial infarction, pulmonary embolism, and aortic dissection. A one-stop diagnostic strategy has significant advantages over multiple individual tests and longer monitoring intervals.

For these kinds of trauma cases, where a fast and reliable triple rule-out procedure could prove life-saving, the strengths of DSCT in cardiac and thoracic imaging make a tangible difference.



Dynamic perfusion imaging enables full organ coverage of the liver with a radiation dose comparable to a conventional multiphase examination delivering additional information about potential tumors that might be relevant for therapy.

Courtesy of University Medical Center Mannheim, Germany

Siemens DSCT scanners allow physicians to perform diagnostic imaging of the thorax, the coronary vessels, and the entire aorta with one scan and a single administration of contrast medium. Flash mode and Turbo Flash mode enable exceptional imaging quality at lower radiation doses than are required using conventional CT scanners. In the case of pulmonary embolisms in particular, DSCT results in a faster diagnosis and treatment start, since it displays not only the cause – the embolus or several smaller emboli – but also their effect on perfusion in the lungs. In pediatric cases, DSCT has improved the diagnosis of small and distal pulmonary embolisms thanks to its increased specificity and sensitivity. [*]

Dynamic perfusion at dose values of conventional scans

In oncology, therapies can be individually tailored to the particular patient. When it comes to the diagnosis, treatment, and monitoring of tumors – such as in the liver and gastrointestinal tract – individualized therapies demand the most detailed information available on parameters such as blood flow, blood volume, flow time, and permeability.

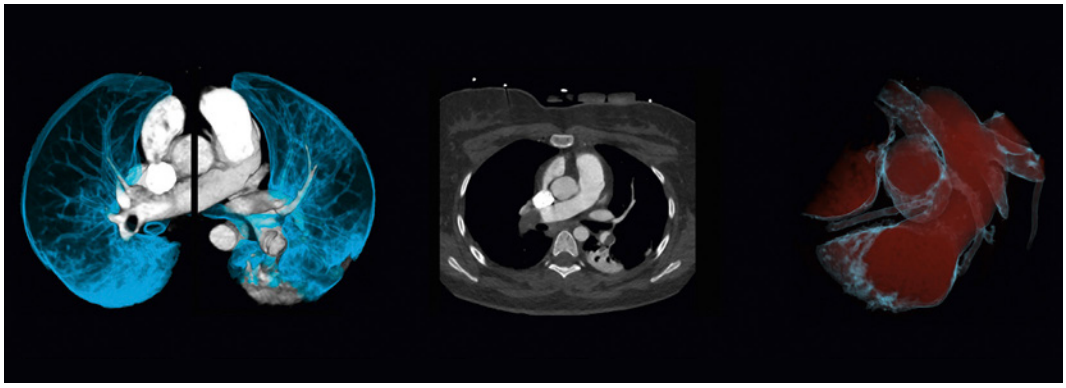
With SOMATOM Force, perfusion scans are possible with doses that are no higher than those used for conventional multiphase examinations of the abdomen. The Stellar Infinity detector and the new "Adaptive Dose Shield" dose protection enable up to a 50 percent reduction in the radiation dose for 4D imaging in comparison with other modern CT models – from 30 – 40 down to 12 – 15 millisievert. SOMATOM Force achieves scan coverage of up to 22 centimeters, enabling the imaging of entire organs. [*]

Functional information on the efficiency of the heart muscle

Coronary CT angiography (CCTA) is a key non-invasive method for detecting coronary artery diseases. If a patient has moderate lesions, however, information about the hemodynamic significance of coronary stenoses is important in deciding whether they would benefit from myocardial revascularization. By performing a CT perfusion examination of the myocardium alongside CCTA, a cardiologist can gain information on blood flow and volume in the heart muscle, and can reliably distinguish between healthy and damaged heart muscle tissue. Following the administration of contrast medium, dynamic CT perfusion imaging acquires several datasets over a period of time in order to precisely determine myocardial perfusion; additional scans or hybrid imaging are then often unnecessary.

Thanks to its high spatial and temporal resolution and large volume coverage, DSCT scanners from Siemens Healthcare is bringing dynamic CT perfusion to clinical routine – leading to improved diagnostic procedures and treatment of coronary lesions. [*]

* For a complete list of references, please visit the Siemens Healthcare website: *http://health.siemens.com/CT_applications/YesDS/*



The two left images reveal massive bilateral emboli. A 3D-based visualization of the same scan shows the aortic root, pulmonary trunk and coronary arteries and demonstrates an abnormal origin of the right coronary (on the right).

Courtesy of Radiology LMU, Campus Grosshadern, University Hospital Munich, Germany

VOLUME CTS

Philips · iCT

Slices per rotation 256 / 128
Coverage 80mm / 40 mm
Power 120 kW / 100 kW

Highlights
- iPatient – Consistent image quality and improved scan workflow.
- High patient eligibility – Bariatric and Pediatric
- Low energy imaging for a large number of patients
- Low dose coronary CTA for a large number of patients
- Low-dose brain perfusion
- With iDose4 Premium Package – iDose4 reconstructor including O-MAR
- Optional IMR – Iterative Model-based Reconstruction

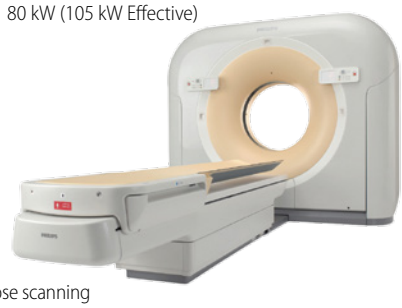
Philips · iCT Elite

Slices per rotation 256
Coverage 80 mm
Power 120 kW

Highlights
- New Nanopanel Elite Detector – Enables low dose scanning
- iPatient – Consistent image quality and improved scan time workflow Platform for delivering future CT discoveries like IMR
- Syncright – CT / Injector integration
- IMR – Virtually noise free image quality. 2.7 x improvement in low contrast detectability index
- iDose4 Premium Package

Philips · Ingenuity Elite

Slices per rotation 128
Coverage 40 mm
Power 80 kW (105 kW Effective)



Highlights
- New Nanopanel Elite Detector – Enables low dose scanning
- iPatient – Consistent image quality and improved scan time workflow. Platform for delivering future CT discoveries like IMR
- Syncright – Appropriate contrast dose with CT / Injector integration
- IMR – Virtually noise free image quality. 2.7 x improvement in low contrast detectability index.
- iDose4 Premium Package – iDose4 Reconstructor including O-MAR

Philips · IQon Spectral CT scanner

Highlights
- The world's first and only spectral detector solution delivering comprehensive, valuable diagnostic and clinical insights.
- Improved tissue characterization and visualization
- Spectral results 100 % of the time, in one scan
- For the most challenging cases, routinely
- Fully integrated with your current workflow, from scanner to PACS
- And at low dose

Siemens · SOMATOM Definition Edge

Dual Energy Yes
Slices per rotation 128
Gantry bore 78 cm
Power Up to 100 kW

Highlights
- 0.28 s rotation speed
- Revolutionary Stellar detector: 0.50 mm slices for 0.30 mm spatial resolution
- STRATON tube with z-Sharp and 70 kV imaging
- Raw-data based iterative reconstruction (ADMIRE)
- TwinBeam Dual Energy
- iMAR (iterative Metal Artifact Reduction)
- Dynamic imaging of up to 48 cm

Siemens · SOMATOM Definition AS (128-slice AS+ configuration)

Dual Energy Yes
Slices per rotation 128
Gantry bore 78 cm
Power Up to 100 kW

Highlights
- Rotation time of up to 0.3 s and 0 MHU STRATON tube with 70 kV
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV
- TwinBeam Dual Energy and iMAR (iterative Metal Artifact Reduction)
- Raw-data based iterative reconstruction (SAFIRE) with up to 20 images / s
- 3D-guided intervention, upgradeable to Stellar detector

GE Healthcare

JB37262DE

Revolution, not Evolution.

Scan Aorta, Heart and Lung in a Single Scan in just 1 Second.

Without compromise: The Revolution CT with 160 mm Gemstone Clarity Detector not only delivers outstanding coverage but also offers maximum temporal and spatial resolution (24 ms/0.23 mm). Heart, aorta and lung can be captured in a single scan in just 1 second – even at very high heart rates, with virtually no breath hold and with a low contrast dose. This allows routine triple-rule-out examinations with reliable diagnostic results even for difficult patients.

For more information, visit www.gehealthcare.de

Ultra-low dose delivers diagnostic quality

FIRST: A Model-Based Iterative Reconstruction (MBIR) automatically lowers patient exposure up to 80 % in clinical routine.

The first thing to know about FIRST is how easy it is to use. For clinicians the system makes ultra-low-dose iterative reconstruction simple, an automated process that fits seamlessly into daily workflow, Toshiba reports.

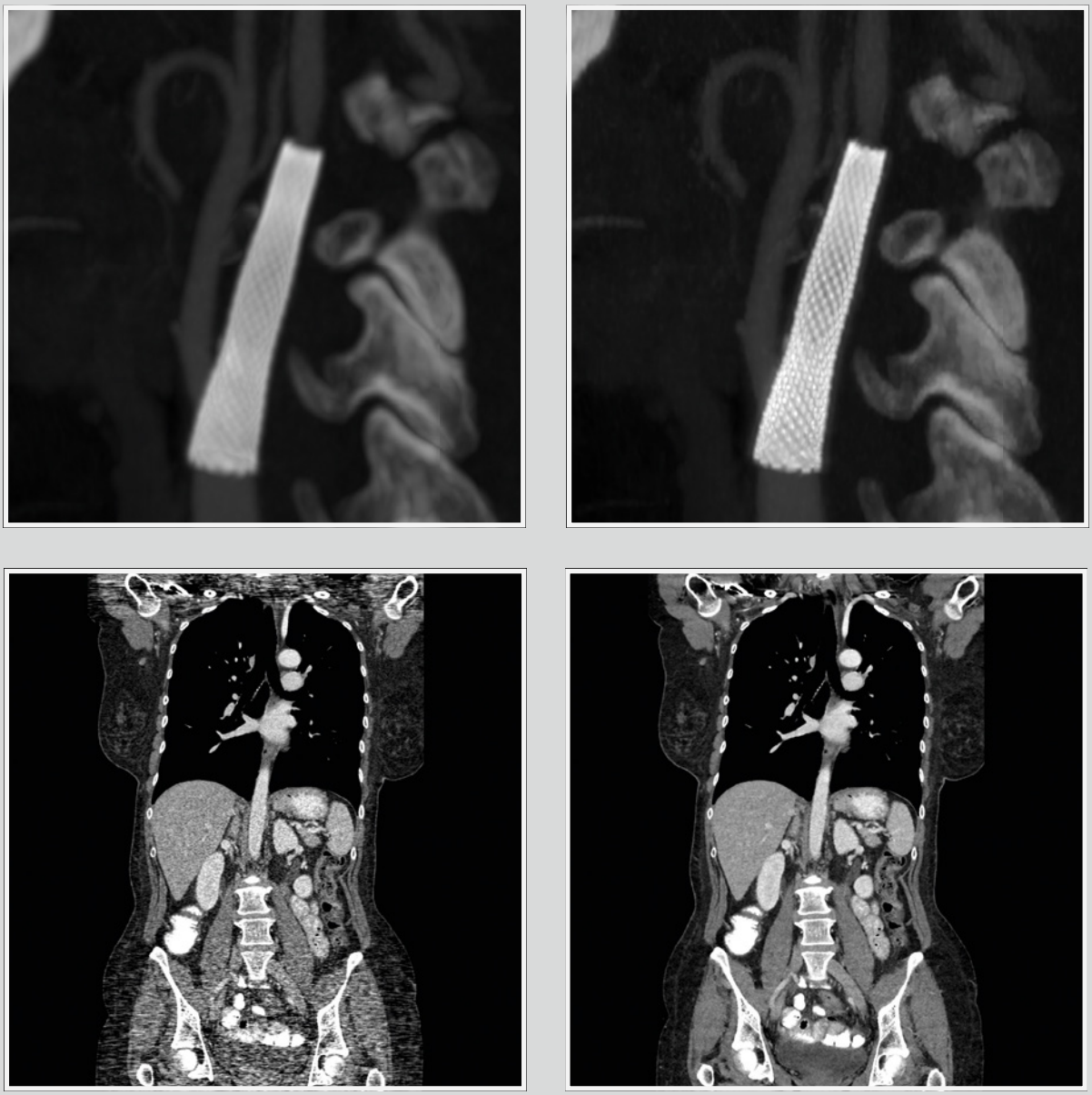
"For radiologists who want to look under the hood and study the engine driving this technological break-through, fast will be the first word that comes to mind. Toshiba accelerated computational throughput to bring their true iterative reconstruction technique FIRST to the clinic for which extensive reconstruction times are not acceptable." Available for the Aquilion ONE Family of CT systems, FIRST – Forward projection model-based Iterative Reconstruction SoluTion – visually improves high-contrast spatial resolution while making exams safer for patients by providing ultra-low dose examinations, Toshiba explains.

Professor Alain Blum MD, from the University Hospital of Nancy, in France, scanned over 250 patients with the system in the first week after installation and was impressed by the speed and image quality. According to Blum it contributes to a significant improvement in image detail and it was possible to reduce dose to levels he never saw before. "With the new algorithm we can reduce the dose by a factor three compared to currently state of the art iterative reconstrutions, this is very impressive," he said.

"The new system is integrated in SUREExposure, Toshiba's AEC tool, to ensure automatic dose reduction of up to 80 % in volume and helical scanning respecting the user-required clinical image quality. Using dedicated hardware the reconstruction of a complex volumet-

Original

FIRST



FIRST, with forward projection in the raw-data domain and using optical models visually improves spatial and low contrast resolution while making exams safer for patients by automatically providing integrated ultra-low dose settings in clinical routine.

ric data set only takes approximately three minutes," the manufacturer reports.

Blum: "We see an improved image quality with fast reconstruction that's easy to use, even at two o'clock in the morning. What we also see with FIRST is an opportunity for new protocols and applications, such as ultra low dose chest CT exams for pulmonary embolism with frail patients who have renal or cardiac insufficiency, for pregnant women or patients in a coma."

Henk de Vries, Senior Product Manager at Toshiba Medical Systems: "Quite simply our approach is that advanced iterative reconstruction should not be a technological challenge, but an automated technology that fits seamlessly into daily clinical practice. FIRST works with forward projection in the raw data domain using optic models to improve spatial resolution; it is incredibly robust for data with extremely low photon counts and improves image quality. The automated process translates into an easy and fast application to significantly reduce the radiation and improve image quality.'"

www.toshiba-medical.eu

VOLUME CTS

Siemens · SOMATOM Perspective (64- and 128-slice configuration)

Dual Energy	Yes
Slices per rotation	64 / 128
Rotation speed	0.39 s equivalent (0.48 s)
Installation Area	Only 18.5 m²

Highlights

- Easy user interface with automated procedures
- Efficient daily usage through low energy consumption, slim gantry design and Illumination Moodlight
- Unique eCockpit suite and innovative service for low TCO
- Excellent system performance with fast real-time reconstruction and high image quality at high pitch
- iMAR (iterative Metal Artifact Reduction) and fast iterative reconstruction

Toshiba · Aquilion ONE ViSION Edition

Coverage per rotation	16 cm
Slices per rotation	640
Slice thickness	0.5 mm
Rotation speed	0.275 s

Highlights

- PURE ViSION detector
- 78 cm bore
- 2 mm @ 3HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- FIRST (Model Based IR, option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac
- Arrhythmia scanning
- Isophasic organ perfusion
- UltraHelical
- Dual Energy at 50 cm FOV (option)

Toshiba · Aquilion ONE

Coverage per rotation	16 cm
Slices per rotation	640
Slice thickness	0.5 mm
Rotation speed	0.35 s

Highlights

- PURE ViSION detector
- Upgradeable to 0.275 s / rotation
- 78 cm bore
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- FIRST (Model Based IR, option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac
- Arrhythmia scanning
- Isophasic organ perfusion
- UltraHelical
- Dual Energy at 50 cm FOV (option)

Toshiba · Aquilion PRIME

Rotation speed	40
Coverage	80 / 160
Slices per rotation	0.5 mm
Slice thickness	0.35 s

Highlights

- PURE ViSION detector
- 78 cm bore
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- Iterative bolus tracking
- Iterative 3D Fluoro (option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Low dose Cardiac scanning (option)
- Dual Energy at 50 cm FOV (option)
- 14.8 m² installation space

20 TO 64 SLICES

GE Healthcare · Revolution EVO

Slices per rotation	64 / 128
Power	72 / 400 kW
Spacial resolution	0.28 mm
Rotation speed	0.35 sec

Highlights

- Widest variety of patients and applications, from complex trauma to advanced vascular and perfusion.
- Confidence even when performing advanced procedures such as cardiac and TAVI planning
- High-resolution at low-dose: Clarity imaging chain with technology inherited from Revolution CT
- ASiR-V – up to 82% lower dose*
- SmartMAR – rawdatabased metal artifact reduction

** Compared to prior generation*

GE Healthcare · Optima CT660

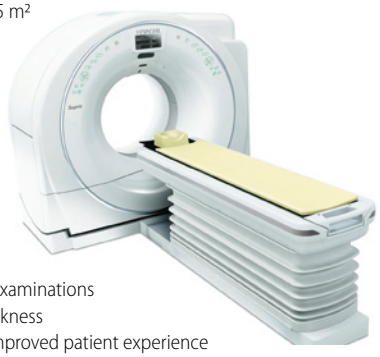
Slices per rotation	64 / 128
Power	72 / 100 kW
Spacial resolution	0.31 mm
Rotation speed	0.35 sec

Highlights

- Diagnostic power and workflow efficiency, enabling fast, high-quality acquisitions at optimized dose.
- Intelligent cardaic CT with SnapShot Assist and SnapShot Freeze
- Powered by Smart Technologies
- ASiR
- SmartMAR - rawdatabased metal artifact reduction

Hitachi · SUPRIA 64

Slices per rotation 64
Gantry bore 75 cm
Slice thickness 0.675 mm
System Footprint 13.5 m²



Highlights
- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footrpint needs small installation space
- New Iterative reconstruction algorithm for low dose examinations
- Intuitive GUI design with 24-inch wide monitor

Philips · Ingenuity Core

Slices per rotation 64
Coverage 40 mm
Power 80 kW (105 kW Effective)

Highlights
- iPatient – Consistent image quality and improved scan time workflow. Platform for delivering future CT discoveries like IMR
- Syncright • Appropriate contrast dose with CT / Injector integration
- Optional IMR – Virtually noise free image quality. 2.7 x improvement in low contrast detectability index.
- iDose4 Premium Package – iDose4 Reconstructor including O-MAR

Philips · Ingenuity Flex32

Slices per rotation 32
Spacial resolution 24 mm
Power 60 kW

Highlights
- Improvement in z-axis resolution with 32-slice reconstruction
- Wide coverage facilitates fast acquisitions in routine situations
- Now with iDose4 Premium Package
- Routine procedures with advanced capabilities
- Philips DoseWise features help reduce radiation exposure
- Built on proven technology like the fast cooling MRC X-ray tube for high reliability and throughput

Siemens · SOMATOM Definition AS (64-slice configuration)

Slices per rotation 64
Gantry bore 78 cm
Power Up to 100 kW
Dual Energy Yes

Highlights
- Rotation time of up to 0.3 s and 0 MHU STRATON tube with 70 kV
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV
- 3D-guided intervention
- Raw-data based iterative reconstruction (SAFIRE) with up to 20 images / s
- iMAR (iterative Metal Artifact Reduction) and Dual Energy

Siemens · SOMATOM Perspective (16- and 32-slice configuration)

Slices per rotation 16 / 32
Rotation speed 0.39 s equivalent (0.48 s)
Gantry bore Slim design: only 69 cm
Dual Energy Yes

Highlights
- Easy user interface with automated procedures
- Efficient daily usage through low energy consumption, low installation area and Illumination Moodlight
- Unique eCockpit suite and innovative service for low TCO
- Excellent system performance with fast real-time reconstruction and high image quality at high pitch
- iMAR (iterative Metal Artifact Reduction) and fast iterative reconstruction

Toshiba · Aquilion RXL

Rotation speed 0.5 s
Coverage per rotation 3.2 cm
Slices per rotation 16 / 32
Slice thickness 0.5 mm

Highlights
- PURE ViSION detector
- Upgradeable to 0.4 s rotation
- 72 cm bore
- 2 mm @ 3 HU LCR
- AIDR 3D iterative reconstruction
- Dose check and report
- SURECardio, low dose cardiac (option)
- CT DSA with SURESubtraction (option)
- SUREFluoro for intervention procedures (option)
- SURExtension, remote access (option)
- Reduced energy consumption

© UKJ

An outstanding system for emergency centers: the GE Revolution CT

Faster clinical diagnostics, rapid trauma assessment and better patient care at University Hospital Jena

The University Hospital Jena (UKJ) is the first one in Germany and one of the first in Europe to use the GE Revolution CT for faster diagnostics in an emergency center. Thanks to innovative technology, several steps of the examination can now be done in one single scan, exposing the patient to a quite low radiation dose.

Designed for rapid trauma assessment

The Revolution CT is designed to deliver rapid and comprehensive trauma assessment through fast scanning and dedicated scan modes such as the possibility to scan multiple anatomical regions in a single exam. It also contains elaborate review tools such as the real-time image reconstruction for instant access to scan results and new interface capabilities to facilitate image review.

„Especially in the emergency unit it is crucial to get a detailed view of the patient in a short period of time, i.e. in case of coronary diseases or apolectic stroke. With the new CT we could extend the scope of examinations in radiology at the University Hospital Jena and further improve our patient care" said PD Dr. Jens Maschmann, Medical Director of UKJ.

The comprehensive solution for cardiovascular imaging

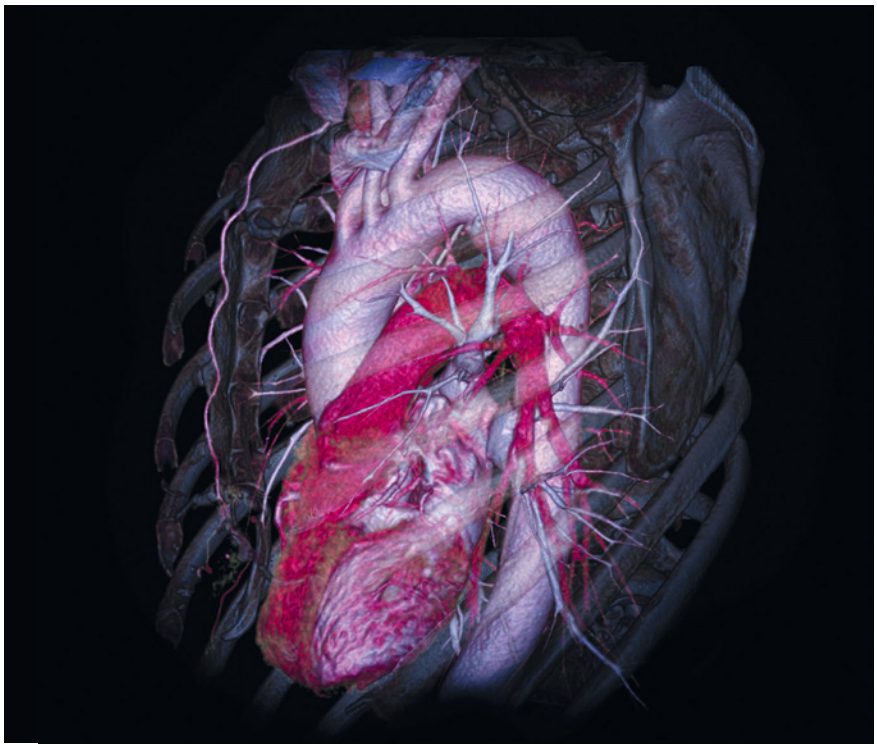
The Revolution CT with 160 mm Gemstone Clarity Detector delivers outstanding coverage: the whole heart can be captured within a single beat acquisition. In addition it offers maximum temporal and spatial resolution (24 ms / 0.23 mm) which results in diagnostic confidence even in challenging clinical applications such as: quantifying plaque burden to determine the degree of obstructive CAD, assessing stent restenosis and vessel patency or making decision-critical measurements for aortic valve repair.

Prof. Dr. Ulf Teichgräber, Director of Radiology at UKJ, added: „Thanks to this technology, we can now capture coronary vessels, aorta and lung in less than one second. The Revolution CT is a milestone in our diagnostics of patients with coronary diseases, apolectic stroke and strongly injured patients from traffic accidents."

Easy on any patient

The radiology specialist noticed another important advantage: „using this CT, we have the possibility to examine people who experience problems holding their breath, are unable to control their movements and behavior sufficiently or have an irregular pulse in just one scan. This also saves us valuable time and multiple examinations can thus be avoided." Also people who suffer from kidney failure can be examined accurately using the Revolution CT with breathing spaces of less than a second at high and fluctuating heart rates and a low concentration of contrast agent. In addition, thanks to the system's large 80 cm bore, it´s easier for claustrophobic patients to be scanned.

Besides, the necessary radiation dose could be lowered and the noise level could be reduced by nearly 50 % compared to the previous CT systems. This enormously facilitates communication in emergency situations. 33.000 patients per year are being cared for in the emergency unit of the UKJ: „of course and luckily, not all of our patients require a CT scan. But especially in emergency situations a quick and reliable diagnostic investigation showing highly detailed anatomic structures is crucial" said Prof. Dr. Wilhelm Behringer, Director of the medical emergency center of UKJ.



Heart, aorta and lung in one scan in just a second

Designed from the ground up

Radiologists and radiographers have to make accurate diagnoses every day under tremendous time pressure. The aim is therefore to continue enhancing efficiency and productivity due to the financial demands of the modern healthcare system. GE Healthcare's Revolution CT combines the leading technological concepts of computed tomography in one single device and thus represents a revolution from both a technical and clinical point of view. It can be used in cardiology, neurology and oncology.

Its uncompromising performance in key areas means that the Revolution CT can even display complicated multi-phase examinations within a short space of time with a single scan. "An accurate diagnosis can be made quickly and reliably even in complex cases with just a single CT scan," explains Dr. Volker Wetekam, Chairman of the Management Board of GE Healthcare in Germany.

"Time-consuming screening procedures performed by other imaging systems or invasive methods can be omitted most of the time. This provides radiologists and radiographers with a much greater and more flexible range of applications in the clinical routine." The underlying technology for this device is the completely redeveloped imaging chain. All the components such as the detector elements, detector assembly, collimator, tubes, slip ring and mounting, data transmission and image reconstruction were completely redeveloped as a single function and in interaction with the other components and functions.

www.gehealthcare.com

20 TO 64 SLICES

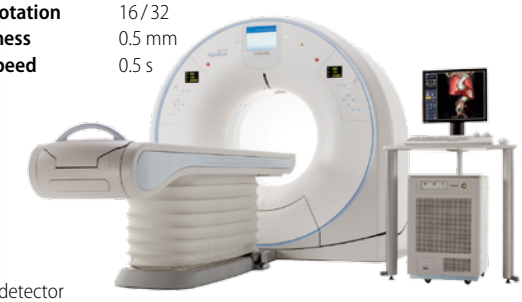
Toshiba · Astelion Advance Edition

Rotation speed 0.75 s
Coverage 2.0 cm
Slices per rotation 16 / / 32
Slice thickness 0.5 mm

Highlights
- Upgradeable to 0.6 s rotation
- 72 cm bore
- 2 mm @ 3 HU LCR
- AIDR 3D iterative reconstruction
- Navi Mode Operation for fast patient throughput
- CT DSA with SURESubtraction (option)
- SUREFluoro for intervention procedures (option)
- 2.9 ton / year reduction of CO^2 emission
- Minimized energy consumption
- Minimum foot print of 10.4 m^2

Toshiba · Aquilion Lightning

Coverage per rotation 2.0 cm
Slices per rotation 16 / 32
Slice thickness 0.5 mm
Rotation speed 0.5 s



Highlights
- PUREViSION detector
- Upgradeable to 0.5 s fast rotation
- 78 cm bore
- 2 mm @ 3HU LCR
- AIDR 3D Enhanced iterative reconstruction
- Adaptive Diagnostics
- vHP (option)
- SEMAR (Metal Artifact Reduction)
- Navi Mode Operation for fast patient throughput
- CT DSA with SURESubtraction (option)
- SUREFluoro (option)
- Minimum foot print of 9.8 m^2
- 300 kg couch

2 TO 16 SLICES

GE Healthcare · Optima CT520

Power 42 / 70kW
Slices per rotation 16 / 32
Spacial resolution 0.31 mm

Highlights
- Built on reliable and proven technology, it combines advanced clinical capacity with economic value
- Designed to help healthcare providers deliver the best patient care
- High quality diagnostic imaging at low dose with ASiR
- Powered by Smart Technologies

GE Healthcare · Optima CT540

Power 60 / 88 kW
Slices per rotation 16 / 32
Spacial resolution 0.31 mm

Highlights
- It helps to answer your need for exceptional clinical results, a steadily increased volume of patient throughput, a focus on patient-centered tasks, and a reduction in unnecessary steps and tedious, time-consuming operations
- Powered by Smart Technologies
- ASiR
- Moreover it is designed to provide a reliable CT solution for high quality diagnostic imaging at lower dose in: Oncology / Angiography / Interventional / Emergency

GE Healthcare · Brivo CT385

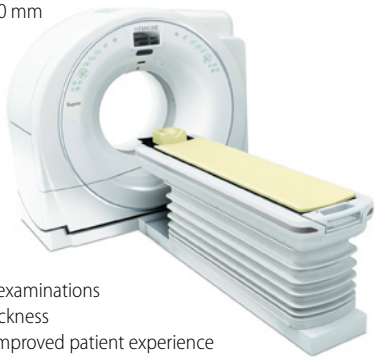
Power 32 / 40 kW
Slices per rotation 16 / 32
Spacial resolution 0.35 mm

Highlights
Built to do more.
- Lower-dose exams throughout the body with ASiR and ODM
- High-quality thin-slice images with IQ Enhance
- Higher IQ thanks to HiLight Scintillator Detector with VolaraDT DAS
- Lower siting costs with smallest 16-slice CT system
- Up to 68 % less annual electricity consumption with GE innovative* energy-saving mode software

** Compared to prior generation*

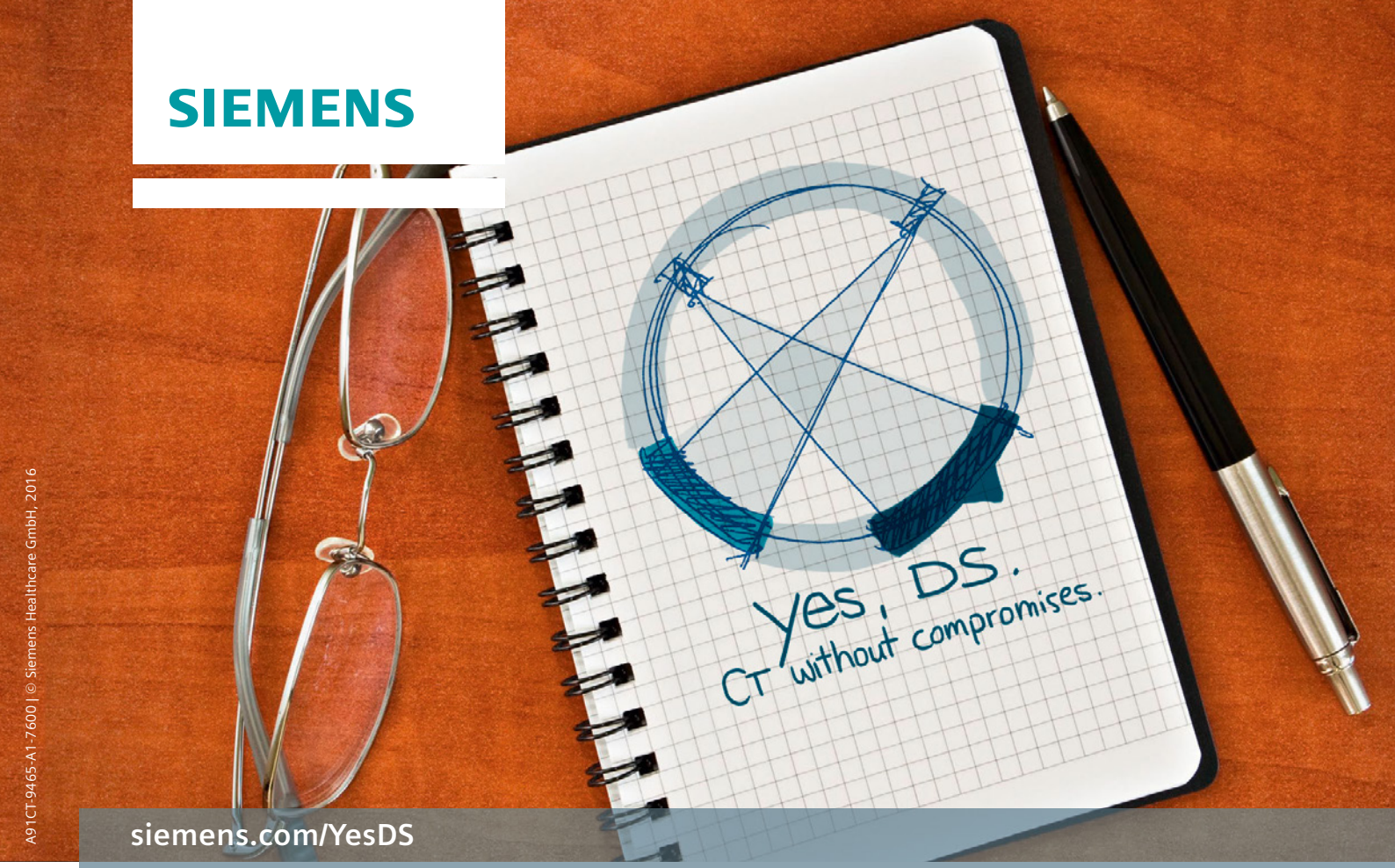
Hitachi · SUPRIA 16

Slices per rotation 16
Gantry bore 75 cm
Slice thickness 0.675 mm
Field of View 500 mm



Highlights
- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footrpint needs small installation space
- New Iterative reconstruction algorithm for low dose examinations
- Intuitive GUI design with 24-inch wide monitor

SIEMENS



siemens.com/YesDS

Excellent diagnostic imaging for all patients?

Yes, DS. CT without compromises.

Dual Source CT (DSCT) has expanded the potential of computed tomography – in both application range and information quality. This is achieved by facilitating optimum image quality even in the most challenging cases across all medical fields.

An ability to generate diagnostic results regardless of a patient's age, size, weight, physical condition, and even the surrounding circumstances directly translates into more informed decisions, and, therefore, into improved patient outcomes.

Siemens Dual Source CT has redefined what CT can do – and helped to improve diagnostic confidence in healthcare institutions across the globe.

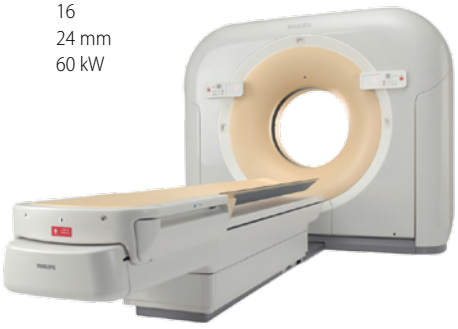
Improved image quality without additional dose burden? Yes, DS. Increased system sensitivity and specificity? Yes, DS. Lower radiation doses and greatly reduced prep-time? Scan coverage and speed raised to new levels? All new protocols enabled and perfusion CT coming to daily clinical routine? Yes, yes, and yes, DS.

From the precision needed in dynamic perfusion exams in oncology, to the strength and speed necessary for low-dose, whole-body CT without breath-hold. From total reliability in acute care cases, to excellent results and sound treatment support in cardiology and quantitative myocardial perfusion – Dual Source CT is the CT of choice across the disciplines.

2 TO 16 SLICES

Philips · Ingenuity Flex

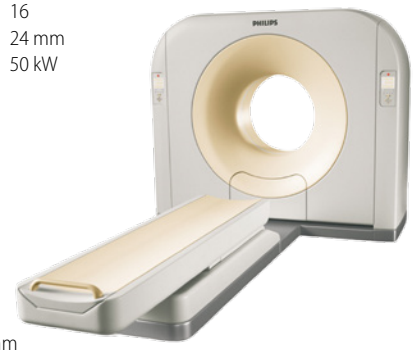
Slices per rotation 16
Coverage 24 mm
Power 60 kW



Highlights
- Built on proven technology like the fast cooling MRC X-ray tube for high reliability and throughput
- High image quality with fast acquisition times enabled by 2.4 cm coverage
- Now with iDose4 for improved image quality at low dose
- Philips DoseWise features help reduce radiation exposure
- Access to a full suite of applications to meet your clinical needs

Philips · MX16 EVO2 CT scanner

Slices per rotation 16
Coverage 24 mm
Power 50 kW



Highlights
- Super image quality with the EVOEYE algorithm improving LCD and 1,024 matrix
- High patient throughput with reconstruction times up to 20 ips
- Optional iDose4 reconstructor
- Enhanced dose management and long tube life with DoseWise kit
- Full handling of routine procedures such as heads, chest, abdomen and CTA
- Visualization of critical structures with Metal Artifact Reduction

Siemens · SOMATOM Emotion (16-slice configuration)

Power 50 kW
Slices per rotation 16
System Footprint 8 m²
Installation Area 18 m²

Highlights
- Runs with the award winning FAST CARE technology, providing new features such as FAST Planning and FAST Spine
- Fast for diagnosis, with its post-processing capabilities
- Installed at nearly 9,000 institutes around the world; famous for its high versatility and high performance
- Fabulous for its leading image quality, with the great routine spatial resolution and very small focal spot

Siemens · SOMATOM Emotion Excel Edition

Power 50 kW
Slices per rotation 16
System Footprint 8 m²
Installation Area 18 m²

Highlights
- Fast anatomical coverage with 0.6 sec rotation and SureView
- Installed at nearly 9,000 institutes around the world; famous for its high versatility and high performance
- Famous for its small footprint, extremely low power and air conditioning requirements

Siemens · SOMATOM Scope & Scope Power configuration

Power 26 / 50 kW
Slices per rotation 16 / 32 (both configurations)
System Footprint 8 m²
Installation Area 12 m²

Highlights
- Leading image quality from high-quality UFC detector material and very small focal spot
- Outstanding image quality, at the right dose with CARE Dose4D and iterative reconstruction (IRIS and SAFIRE)
- iMAR (iterative Metal Artifact Reduction) and Dual Energy
- Optimized total cost of ownership due to reduced overhead costs and extended scanner lifetime with eCockpit

Siemens · SOMATOM Spirit

Slices per rotation 2
Spatial resolution 15.5 Lp / mm

Highlights
- Easy user interface provides simplicity and a fast learning curve
- Outstanding overall system uptime due to robust design and stability
- Exceptional patient throughput-to-investment ratio
- Low heat dissipation and power consumption
- Real-time dose modulation with CARE Dose4D for up 68 % dose reduction
- Increased volume coverage with gantry rotation speed of up to 0.8 s

ONCOLOGY CT

GE Healthcare · Discovery CT580 RT

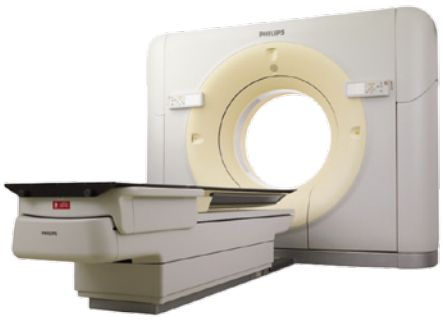
Power 55 / 100 kW
Slices per rotation 16
Spacial resolution 0.35 mm

Highlights

- Wide bore geometry (80 cm)
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40 % dose reduction across the body with integrated ASiR reconstruction*
- 4D gating reconstruction on the operator console
- Complete and easy to use RT simulation planning solution with SIM MD on AW
- smartMAR – rawdatabased metal atrefact reduction
- Deviceless 4D - breath gating
- 80 cm max FOV

** Compared to prior generation*

Philips · Brilliance Big Bore



Highlights

- Dedicated RTP features and applications such as TG66 compliant table (295 kg), simulation and marking tools
- iPatient – Consistent image quality and improved scan time workflow.
- 85 cm gantry opening
- 60 cm true scan FOV and extended 70 cm FOV
- O-MAR metal artifact reduction for orthopedic implants
- 4D respiratory imaging, including phase and/or amplitude binning
- iDose4 reconstruction

Siemens · SOMATOM Definition AS Open – RT Pro edition

Slices per rotation 20 / 64
Gantry bore 80 cm
Power Up to 100 kW
Dual Energy Yes

Highlights

- Leading image quality resulting from high-quality UFC detector material and iterative reconstruction
- Improved visualization thanks to iMAR and extended field of view of 80 cm
- Comprehensive tumor motion management solution
- Ready for new treatment techniques requiring higher accuracy
- Improved process efficiency with a workflow guided RT solution

Siemens · SOMATOM Scope Power

Power 50 kW
Slices per rotation 16
Installation Area 12 m²
System Footprint 8 m²

Highlights

- Leading image quality resulting from high-quality UFC detector material and iterative reconstruction.
- Improved visualization thanks to iMAR and extended field of view of 70 cm
- More efficient examination procedures with the all-in-one workplace
- Comprehensive tumor motion management solution
- Optimized TCO due to reduced overhead costs and extended scanner lifetime with eCockpit

Siemens · SOMATOM Definition Edge

Power Up to 100 kW
Slices per rotation 128
Dual Energy yes
Gantry bore 78 cm

Highlights

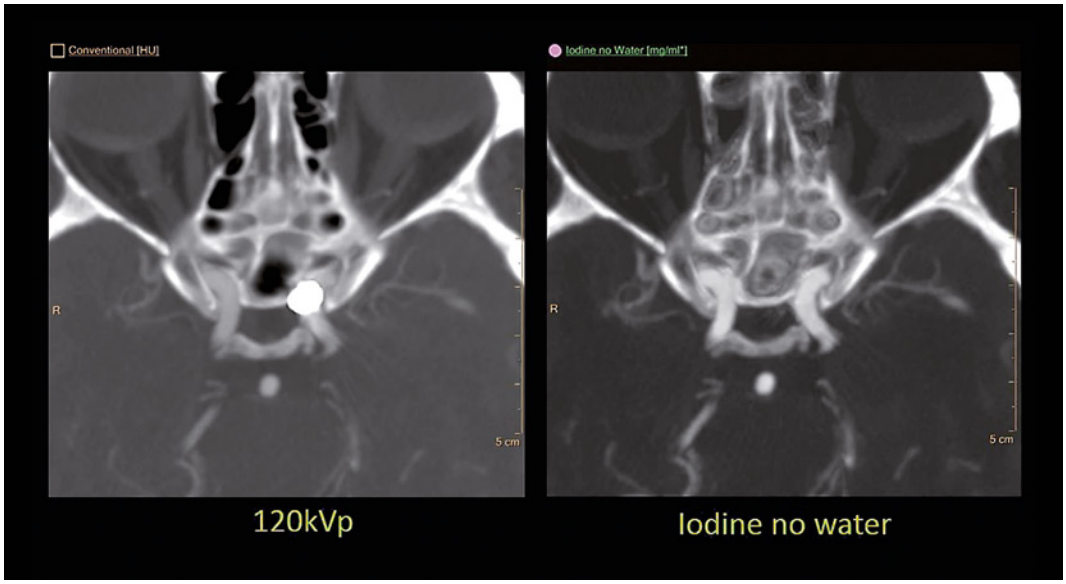
- Advanced evaluation of therapy response of tumors and tissues properties thanks to Twin Beam Dual Energy and Adaptive 4D Spiral
- Improved visualization thanks to iMAR and extended field of view of 78 cm
- Comprehensive tumor motion management solution
- Improved process efficiency with a workflow guided RT solution

Toshiba · Aquilion LB

Rotation speed 0.5 s
Coverage per rotation 3.2 cm
Slices per rotation 32
Slice thickness 0.5 mm

Highlights

- PUREViSION detector
- 90 cm bore
- 70 cm FOV
- 85 cm extended FOV
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- AIDR 3D iterative reconstruction
- SEMAR (Metal Artifact Reduction)
- Respiratory gating (option)
- Oncology table top (option)
- CT DSA with SURESubtraction (option)
- SUREFluoro (option)
- Reduced energy consumption



Left: Conventional CT image with clearly visible artifacts after embolisation with ONYX.
Right: The same image with emphasis on iodine containing elements, leaving out the ONYX embolization material.

The IQon Spectral CT from Philips

Accustomed workflow, low dose and visibly more precise diagnostics

In spectral imaging, x-ray images are formed in the customary grey scale imaging procedure. However different photon energies are used, generating images in different colors. Aside from the acquisition of anatomical information, this measurement makes it possible to show different tissue compositions.

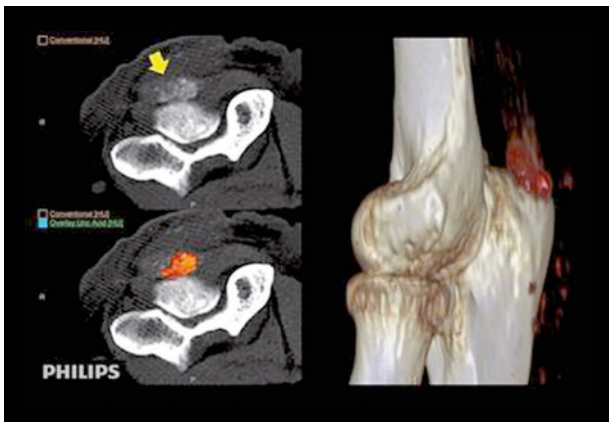
For the purposes of additional diagnostic information, spectral imaging utilizes the effect that the weakness and absorption of x-rays are dependent on their energy level and the tissue through which the radiation passes. Herein the specific and quantitative detection of iodine contrast agent is of particular interest. For example, it makes it possible to calculate out the entire background of a region, including bones. The radiologist obtains a better overview of the conditions, significantly improving the determination of findings.

Examples of using the method

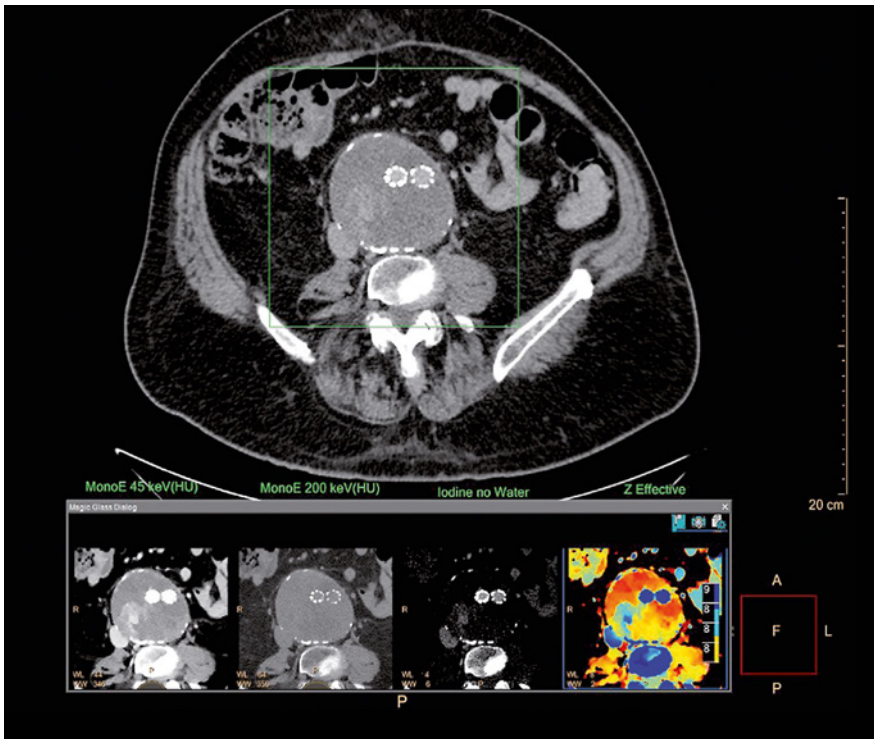
In peripheral arterial occlusive disease, the person making the findings can more easily recognize and assess the vascular tree. In intracranial aneurysms and arterio-venous malformations, three-dimensional reconstructions and projection images without bones considerably speed up the assessment. Last but not least, speed is a major advantage when diagnosing stroke.

The IQon Spectral CT from Philips

The IQon Spectral CT from Philips – a completely new development based on Dual Layer detector technology – has the ability to detect structures based on tissue composition, and to better differentiate and characterize them. With the Dual Layer detector, which can differentiate between x-ray photons at different high and low energy levels, the IQon Spectral CT opens up new dimensions in CT imaging. The Dual Layer detector design allows for perfectly aligned acquisition in time and spatial terms. This results in data that can be fully reconstructed in projection domain, generating unique quantifiable Spectral information. As a result, eg, precise



Top: Difficult to quantify and characterize material composition based on conventional HU based image.
Bottom: Uric acid overlay based on Spectral information proofs the presence of uric acid.



Due to the MagicGlass Tool, the image can be shown in up to four different display forms simultaneously, each of which emphasizes specific Spectral characteristics such as VNC and Effective Atomic Number.
The radiologist receives all information at a glance without having to open additional windows or programs.

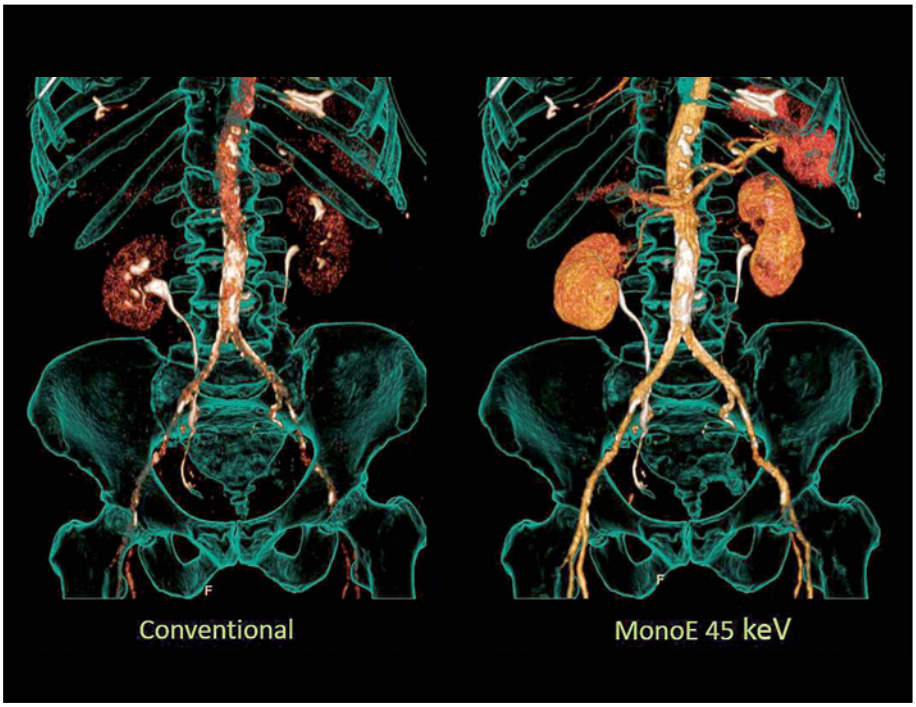
mono-energetic images can be reconstructed with low noise across the entire range from 40keV to 200keV. Having this at your fingertips offers great value of enhancing Iodine or reducing artifacts.

Use also retrospectively

Another advantage of the Dual Layer detector design is that in the IQon Spectral CT, spectral information is obtained in parallel during normal image acquisition. Aside from conventional images, every 120kV scan simultaneously provides Dual Energy data sets – even if the clinical inquiry does not initially indicate it. In other words: The radiologist no longer has to make the decision as to whether use a normal CT image or a spectral protocol before the scan. Both data sets are available after the examination. If suspicious structures or structures which are difficult to interpret are observed in the "normal" CT scans, additional information about the tissue composition becomes desirable, the system can immediately provide the spectral information. If required, each scan can also be shown spectrally without added time requirements due to a second scan and without the additional dose required for a second scan. Users have the security of being able to fall back on a broad range of Spectral information like virtual MonoE and VNC images, using the MagicGlass Window technique as needed.

The MagicGlass tool simultaneously shows spectral data in colour if one guides it over the underlying HU image dataset (HU = Hounsfield units). Whether there is an additional need for tissue characterization, contrast enhancement or artifact reduction, the information is there to provide the support for the diagnosis and make diagnostics more convenient.

www.usa.philips.com/healthcare



Comparison of conventional and mono-energetic images: Looking at low mono-energetic images, Iodine can be enhanced. The remaining Iodine in portal phase or late phase scans is still sufficient to reconstruct cta like images. Low MonoE images need less iodine concentration to visualize vessel anatomy.

DIGITAL VOLUME TOMOGRAPHY

Planmed Oy · Planmed Verity

Scan volume 16 cm diameter x 13 cm, 16 cm diameter x 7 cm
Spacial resolution 0.4 mm, 0.2 mm
Scan time 18 s

Highlights
- Cone Beam CT (CBCT) scanner dedicated to extremity and maxillofacial imaging
- kV range 80 – 96 kV
- High quality 3D-imaging with low dose
- Compact, mobile, easy to site
- Motorized, soft-surface gantry adapts to the patient
- TearDrop shaped bore with target specific positioning system
- Weight-bearing imaging

VILLA SISTEMI MEDICALI · Rotograph Evo 3D

Scan volume Max. 93 x 82 mm (full dentition)
Voxel size 185 µm
Scan time 11.2 s (exposure)

Highlights
- 3-in-1 dental system with "Cone Beam" technology: Pan, Ceph, 3D
- Pan-3D detector always ready to operate: no need to switch it from Pan to 3D mode
- Optional Evo Xp Examination Module enlarges the traditional Panoramic views
- Accessible to any patient, including ones on wheelchairs
- Selection of reduced FOVs, focused on maxillary dentition and manibular dentition, for dose reduction

ACCESSORIES / COMPLEMENTARY SYSTEMS

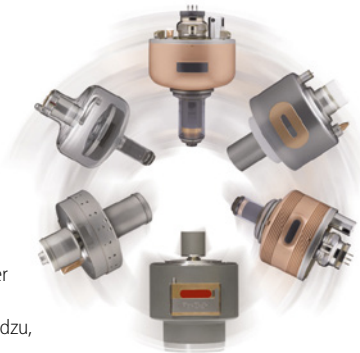
Alliance Medical · Flexible diagnostic imaging services

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET / CT
- Interim services for bridging downtimes
- Regular "routing" services

Alliance Medical · Modular building solutions

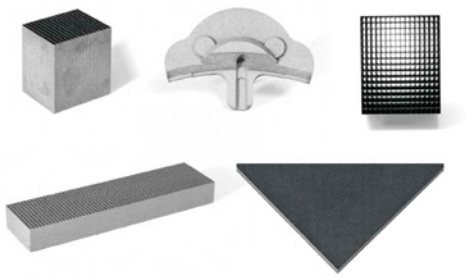
Highlights
Engineering, rental, sale of modular buildings MRI, CT, PET, PET / CT including or excluding diagnostic equipment

Dunlee · CT Replacement Tubes



Highlights
- Replacement tubes for more manufacturers than any other company in the industry (GE, Siemens, Toshiba, Shimadzu, Philips)
- 24 / 7 – 365 days per year
- Tube stocks at major airport hubs throughout the United States, Asia, Europe and Latin America
- Shipment of most popular replacement tubes, typically with same-day or next-day delivery

Dunlee · Smit Röntgen 3D Printed Tungsten Parts



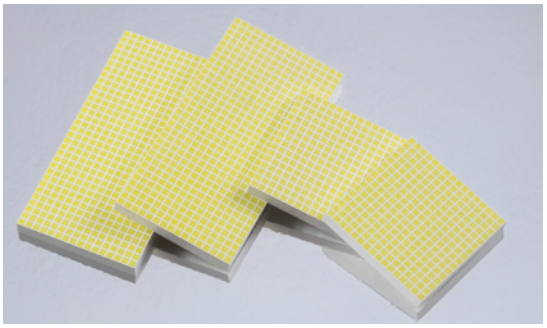
Highlights

Smit Röntgen offers pure Tungsten products made by Direct Metal Laser Sintering. With this unique and patented technology free form parts made out of pure tungsten can be made.

Applications

- Collimators for Molecular Breast Imaging and SPECT
- Dedicated X-ray shieldings and collimation parts
- CT anti-scatter grids
- X-ray tube parts
- Breakthrough freedom of design
- Eco friendly technology

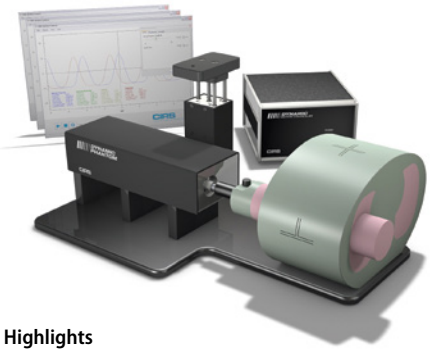
Dunlee · Smit Röntgen CT Ceramic GOS Scintillator



Highlights

- Optimal image quality through high light output
- Extremely low afterglow
  Typical values:
  – 150 ppm after 3 ms
  – < 5 ppm after 300 ms
- Very high transparency (enabler for high definition)
- Maximum emission at 515 nm
- Maximum outer dimensions: 7 x 7 cm^2
- Slot width 100 µm
- Minimum pixel size: 0.5 x 0.5 mm^2

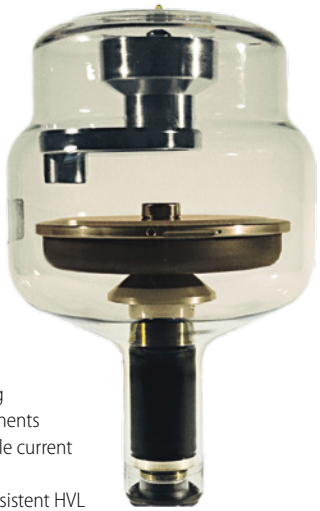
GCTechnology GmbH · CIRS Phantoms



Highlights

- Electron density phantom for calibration
- Dynamic Lung phantom
- Dynamic Cardiac phantom
- CT dose phantoms
- Bone analysis CT simulator
- Plastic water and tissue equivalent materials
- Spiral/helical CT phantom
- AAPM CT performance phantom
- 3D sectional torso Phantom
- Head phantom

I.A.E. · RTC 165



Highlights

- Replacement for GE Scanners: Sytec 6,000 / 8,000 Prospeed, Hispeed Dxi, Fxi, Lxi CT / i Advantage.
- Reloaded in original CT Housing
- Careful refurbishing of original casing
- Replacing of all wear subject components
- Special cathode processing for reliable current emission
- Controlled thickness window for consistent HVL

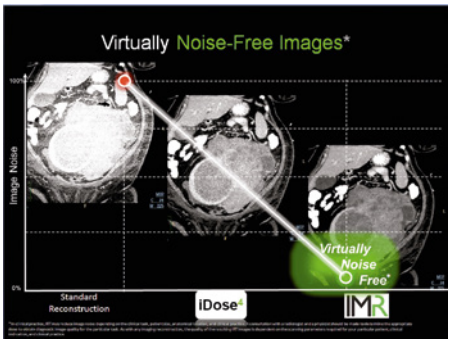
Toshiba Electron Tubes & Devices · CT Tube assembly

Highlights

- For CT systems (2-MHU to 4-MHU)
- Uses a liquid metal bearing
- Supports 0.5 s full scans
- Our unique liquid metal bearing technology uses an all-metal target, enabling high anode heat dissipation with low noise and long bearing life.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Philips · IMR Iterative Model Reconstruction



Highlights
- Industry-leading low-contrast resolution spec – 2mm @ 0.3% @ 10.4 mGy
- Up to 80 % improvement in low contrast & up to 80 % less noise & up to 80 % lower dose, simultaneously
- Virtually noise-free image quality
- Majority of reference protocols reconstructed in 3 minutes or less

Philips · Refurbished Systems

Highlights
- Philips Diamond Select provides reliable, like-new refurbished CT imaging systems at an attractive price.
- Diamond Select offers up-to-date technology to expand the variety of high-quality services available to patients.
- All systems undergo a thorough five-step refurbishment process in order to maintain the high standards set by Philips.

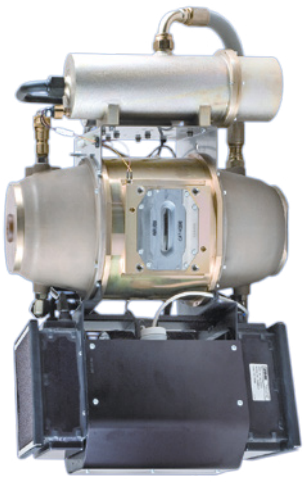
PTW · NOMEX Dosemeter

Highlights
- Diagnostic dosemeter (CE marked, class IIb certified) fully compliant with IEC 61674
- Suitable for CTDI measurements acc. to IEC 60601-2-44 using a 100 or 300 mm CT ion chamber
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: CTDI head and / or body PHANTOMS (CE marked, class I certified)

Varian · Cardinal CT Tube

Highlights
- The new Cardinal CT tube is being designed into new CT equipment
- It is also a direct replacement for the Stargate/CTR-2150 tube used in Philips Brilliance 6 and 16 CT scanners.
- The Cardinal has a high heat capacity with excellent image quality and throughput allowing for quicker imaging which translates into cost savings to the medical facilities.

Varian · MCS 6074 Replacement Tube



Highlights
- Replacement for GE Performix 6.3 mHU CT tube
- Designed for GE Lightspeed and Brightspeed family of scanners
- Full 12 month replacement warranty
- Supports 0.5 second full scans
- Long life bearing
- Calibrates like the original

Varian · MCS 8064 Replacement Tube

Highlights
- Anode end grounded (AEG) replacement tube for GE Lightspeed VCT scanner
- Offers lower life cycle costs
- Over 30,000 anode end grounded (AEG) tubes sold
- Designed with Varian's 20+ years of experience

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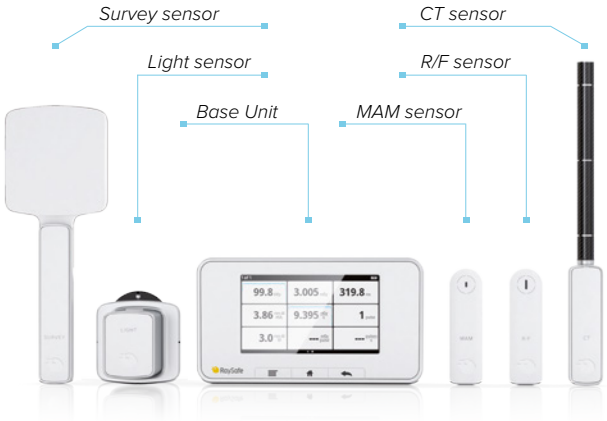
RaySafe X2 – in action

Imagine a testing environment where you can plug in your test tool, not worry about settings nor sensor positioning nor other setup complications and get results fast. Then trust that you can do this reliably, measurement after measurement after measurement...

The RaySafe X2 delivers that experience and more. Customer after customer has switched to the RaySafe X2 and come away pleased. Service organizations are standardizing on this device. Physicists too.
Why shouldn't you?



THE RAYSAFE X2 OFFERS

- State-of-the-art sensor technology combined with a new user interface that is so simple to use
- Precise scatter/leakage measurements in the X-ray energy range with the new X2 survey sensor
- Full range of measurements for R/F, MAM, CT, Light, Survey and mAs applications

OUR BREADTH OF PRODUCTS

We manufacture products and solutions that help our customers avoid unnecessary radiation. Solutions include quality assurance devices for X-ray equipment, a real-time dose monitoring system for medical staff, as well as scatter measuring survey meters and phantoms.

www.raysafe.com

RaySafe™
A Fluke Biomedical Company

Magnetic Resonance Imaging

7 Tesla

3 Tesla

1.5 Tesla

Open

MR-PET

MRT Coils

Accessories / Complementary Systems

7 TESLA

Siemens · MAGNETOM Terra

Field strength 7 T
Gradient 80 mT/m
Slew rate 200 T/m/s
Channels Up to 64

Highlights
- Translate 7 T research power into clinical care
- 50 % lighter 7 T magnet technology for easier integration into clinical environments
- Double SNR for more precision
- 8-channel parallel transmit functionality for higher homogeneity
- Submillimeter BOLD fMRI precision for pre-surgical evaluation
- Latest applications available with *syngo* MR E11 software

The product is still under development and not commercially available yet. Its future availability cannot be ensured.

GE Healthcare · Discovery MR750w 3.0 T & SilentScan / MAGiC

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Patient centric design
- 70 cm bore with full 50 x 50 x 50 cm FOV
- Geometry Embracing Method (GEM): lightweight and flexible coils, embedded posterior array, open face head / neck unit, feet first imaging, with a coverage up to 205 cm
- SilentScan for examinations as silent as a whisper
- MAGiC technolgoy for up to 6 image contrasts in one MRI scan

GE Healthcare · SIGNA PET / MR 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Exciting diagnostic possibilities thanks to simultaneous PET / MR acquisition
- 3.0 T magnetic resonance (MR) technology integrated with GE's latest positron emission tomography (PET) technology
- SiPM detector with excellent timing resolution enabling Turbo time-of-flight (TurboTOF) reconstruction, suitable for ultra short-lived positron emmitters.

3 TESLA

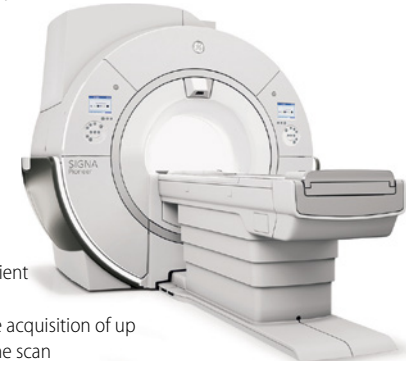
GE Healthcare · Discovery MR750 3.0 T

Gradient 50 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Powerfully simple
- Express preparation exam
- "Can't miss" applications and HD coils simply powerful
- Shorter TE / TR and faster acquisitions with unique gradients architecture
- Faster reconstruction
- 27 % more SNR with optical RF technology

GE Healthcare · SIGNA Pioneer 3.0 T

Gradient 36 mT / m
Slew rate 150 T / m / s
Channels 97



Highlights
- New 3 T wide bore MR with future oriented technologies in the areas of image quality, productivity, profitability and patient comfort
- MAGiC technology for the acquisition of up to 6 image contrasts in one scan
- SilentScan for examinations as silent as a whisper
- 50 % less energy consumption compared to previous systems
- Easy installation (compared to 1.5 T systems)

GE Healthcare · MRgFUS / ExAblate & Discovery MR750w 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultrasound (ExAblate) with MRI imaging.
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain.
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results.

3 TESLA

GE Healthcare · MR Surgical Suite & Discovery MR750w 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery.
- Includes all necessary additional equipment and offers the combination of a fully equiped Maquet OP table with a state-of-the-art MRI

Philips · Ingenia 3.0 T

Field strength 3.0 T
Gradient 45 mT / m
Slewrate 22 T / m / s

Highlights
- Increase SNR by up to 40 %
- Plug-and-play expansion
- Largest homogeneous FOV for a 70 cm bore
- As much as 30 % improvement in throughput
- Significant reduction of routine tasks
- Contrast uniformity, speed, consistency MultiTransmit 4D brings the benefits of MultiTransmit technology to cardiac imaging. It adapts RF signals to each patient, addressing dielectric shading to provide superb image uniformity, contrast and consistency, as well as faster imaging
- The first-ever digital broadband MR system

Philips · Achieva 3.0 T X-series

Field strength 3.0 T
Gradient 80 mT / m
Slewrate 200 mT / m / ms

Highlights
- Wide open, patient-friendly, flared short bore design with 50 cm imaging coverage for comfortable and efficient patient imaging
- High productivity and efficiency with SmartExam: 1 click for consistent and reproducible MR exams. Available for brain, spine, knee and shoulder
- Advanced functionality for speed and resolution: high SENSE acceleration capabilities, ultra-fast MR angiography with 4D-TRAK, cardiac imaging with k-t BLAST, 2k Imaging for ultra-high spatial resolution

Philips · Achieva 3.0 T C

Field strength 3.0 T
Gradient 80 mT / m
Slewrate 200 mT / m / ms

Highlights
- MultiTransmit technology for enhanced speed, image quality and consistency through patient-adaptive imaging
- Productivity and efficency with SmartExam: 1 click for consistent and reproducible MR exams. Available for brain, spine, knee, shoulder and breast
- Advanced functionality: high SENSE acceleration capabilities, ultra-fast MR angiography with 4D-TRAK, cardiac imaging with k-t BLAST, 2k imaging for ultra-high spatial resolution and unique applications like DWIBS, ASL and SENSE spectroscopy

Siemens · MAGNETOM Spectra, A Tim+Dot System

Field strength 3 T
Gradient 33 mT / m
Slew rate 125 T / m / s
Channels Up to 24

Highlights
- Outstanding image quality and speed with Tim 4G technology
- Excellent usability and image consistency with DotGO and Dot Cockpit
- Comfortable and easy patient setup with SlideConnect & DirectConnect
- Low operating cost through low power consumption and Zero Helium boil off
- Fast break-even due to unmatched financial performance
- Latest applications available with *syngo* MR E11 software

Siemens · MAGNETOM Verio, A Tim+Dot System

Field strength 3 T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 32

Highlights
- Increased throughput with Tim+Dot
- Short, light, and easy to install 3 T system
- Greater patient access and comfort with 70 cm Open Bore
- TrueForm design for optimized homogeneity volumes matching the true form of the human body

Beijing Wandong Medical has dedicated itself to the R&D, manufacture, sales and service of medical imaging equipment for 60 years. In addition to a wide sales and service network all over China, our export destination covers more than 70 countries. With strict production and quality management, our MRI systems and major X-ray equipment are ISO/CE/FDA cleared. Over 6,000 units of X-ray equipment and 100 units MRI are manufactured annually.

The company philosophy, "Treasure Life, Ensure Health", is our motivation to strive for advancement and innovation.

Address: Building 3, No.9, Jiuxianqiaodong Road, Chaoyang District, 100015, Beijing, P.R. China
Tel: +86-10-84575792/3/5/6 Fax: +86-10-84575794 E-mail: International@wandong.com.cn

3 TESLA

Siemens · MAGNETOM Skyra, A Tim+Dot System

Channels 3T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 128

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore, quiet exams, and short system design
- Up to 50 % higher productivity with Tim 4G and Dot*
- Top-of-the-line applications and technologies for clinical routine and research
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Latest applications available with *syngo* MR E11 software

** Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK*

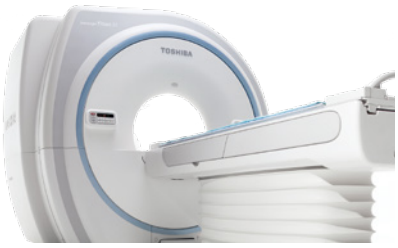
Siemens · MAGNETOM Prisma, A Tim + Dot System

Field strength 3T
Gradient 80 mT / m
Slew rate 200 T / m / s
Channels Up to 128

Highlights
- A unique design for MRI researchers
- Unique scannner technology in one package: benchmark 3T magnet; XR 80 / 200 gradients; advanced parallel transmit technology and Tim4G
- Pioneering research applications
- The platform for the newest advancements in 3T MRI
- Latest applications available with *syngo* MR E11 software

Toshiba · Vantage Titan 3 T

Gradient 30 or 45 mT / m
Slew rate 203 mT / m / ms
Channels 16 or 32 ch



Highlights
- Patient friendly 71 cm open bore with 50 x 50 x 45 cm cylindrical scan area
- Multi phase transmit with 2 ampl and 4 ports for homogeneous B1
- Pianissimo, acoustic noise reduction system
- Low couchtop of 43 cm for easy patient access
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Image recon. of up to 12,600 img / s
- M-Power intuitive graphical user interface

1.5 TESLA

GE Healthcare · Optima MR450w 1.5 T & SilentScan / MAGiC

Gradient 34 mT / m (XP 44 mT / m)
Slew rate 150 T / m / s (XP 200 T / m / s)
Channels 32 / 128 (option)

Highlights
- Patient centric design
- 70 cm bore with full 50 x 50 x 50 cm FOV
- Geometry Embracing Method (GEM): lightweight and flexible coils, embedded posterior array, open face head / neck unit, feet first imaging, with a coverage up to 205 cm
- SilentScan for examinations as silent as a whisper
- MAGiC technolgoy for up to 6 image contrasts in one MRI scan

GE Healthcare · MRgFUS / ExAblate & Optima MR450w 1.5 T

Gradient 33 T / m
Slew rate 120 T / m / s
Channels 32

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultrasound (ExAblate) with MRI imaging.
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain.
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results.

SERVE PEOPLE,
CARE FOR LIFE,
LET MORE PEOPLE ENJOY HEALTH

NINGBO XINGAOYI MAGNETISM CO.,LTD

Address:555 YESHAN RD.,YUYAO ZHEJIANG CHINA 315400

Tex:+86 574 6273 0899

Fax:+86 574 6273 0908

Website:www.china-mri.com

E-mail:zn301@vip.163.com

1.5 TESLA

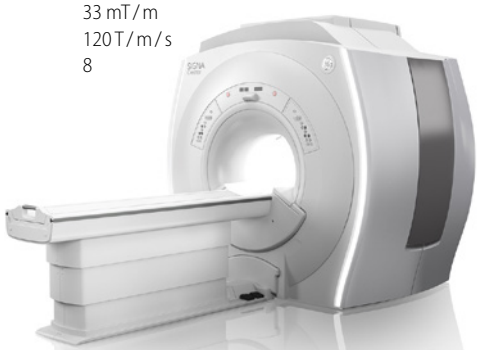
GE Healthcare · SIGNA Explorer 1.5 T

Gradient 33 mT / m
Slew rate 120 T / m / s
Channels 16

Highlights
- Reliable clinical results as well as high productivity and profitability
- Compatible with SilentScan for examinations as silent as a whisper
- Digital OpTix RF-technolgy.
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology.
- Energy savings up to 34 % compared to previous systems.

GE Healthcare · SIGNA Creator 1.5 T

Gradient 33 mT / m
Slew rate 120 T / m / s
Channels 8



Highlights
- Reliable clinical results as well as high productivity and profitability
- MAVRIC SL enables advanced visualization of soft tissues and bone near MR conditional metallic devices.
- Digital OpTix RF-technolgy.
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology.
- Energy savings up to 34 % compared to previous systems.

Hitachi · ECHELON

Gradient 33 mT / m
Slew rate 150 T / m / s
Channels Up to 16

Highlights
- Short bore, low running costs HF MRI system
- High magnetic field homogeneity
- Dedicated technology and sequences for artefacts suppression, very effective fat suppression / separation
- Scalable RF system
- Low cryogen boil-off technology

Hitachi · ECHELON OVAL

Gradient 34 mT / m
Slew rate 150 T / m / s
Channels 16 (32)

Highlights
- Revolutionary design featuring a 74 cm spacious OVAL environment
- Shaped around the human body
- Workflow Integrated Technology (WIT)
- WIT RF Coil System
- WIT Mobile Table
- WIT Patient Information Monitor

Philips · Ingenia 1.5 T

Field strength 1.5 T
Gradient 45 mT / m or 33 mT / m
Slewrate 200 T / m / s or 120 T / m / s

Highlights
- Increase SNR by up to 40 %
- As much as 30 % improvement in throughput
- Plug-and-play expansion
- Largest homogeneous FOV for a 70 cm bore
- Significant reduction of routine tasks
- The first-ever digital broadband MR system

Philips · Multiva 1.5T

Field strength 1.5 T
Gradient 33 mT / m
Slewrate 122 T / m / s

Highlights
- FlexStream, SmartExam and SmartAssist offer an easy-to-use system for fast and easy workflow for increased throughput
- Ultra-light weight coils. No additional coil handling for total spine imaging
- High quality, 10-minute routine exams with high channel count coils and SENSE parallel imaging for up to 16-times acceleration
- Comprehensive range of clinical applications
- PowerSave – low operation costs

Not available in the USA.

Siemens · MAGNETOM ESSENZA, A Tim+Dot System

Field strength 1.5 T
Gradient 30 mT / m
Slew rate 100 T / m / s
Channels Up to 16

Highlights
- Increase patient-satisfaction with light-weight coils and ultra-short magnet design
- Increased throughput, consistency, and ease of use – with Dot
- Greater clinical scope with standard and advanced clinical applications
- Low operating cost through low power consumption and zero helium boil-off
- Fast break even due to optimum TCO
- Future security with latest application portfolio based on *syngo* MR E11

The product is still under development and not commercially available yet. Its future availability cannot be ensured.

Siemens · MAGNETOM Amira, A Tim+Dot System

Field strength 1.5 T
Gradient 33 mT / m
Slew rate 125 T / m / s
Channels Up to 24

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- Right Timing and motion insensitive techniques for liver exams with FREEZEit
- 10-min exams with best-practice-based protocols
- Up to 30 % energy savings in standby mode with Eco-Power
- Increased throughput with Tim 4G and DotGO
- Maximizing return due to minimized siting requirements and costs
- Latest applications available with *syngo* MR E11 software

Siemens · MAGNETOM Avanto, A Tim+Dot System

Field strength 1.5 T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 32

Highlights
- Increased throughput with Tim+Dot
- Exceptional magnet homogeneity for excellent fat saturation
- Fast training and increased staff versatility
- Broad application range
- Easy siting conditions

Siemens · MAGNETOM Aera, A Tim+Dot System

Field strength 1.5 T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 64

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore in combination with ultra-short system design (145 cm cover to cover)
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Up to 50 % higher productivity with Tim 4G and Dot*
- Latest applications available with *syngo* MR E11 software

** Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK*

Toshiba · Vantage Titan

Gradient 34 mT / m
Slew rate 148 mT / m / ms
Channels 8, 16 or 32 ch

Highlights
- Patient friendly 71 cm open bore with 55 x 55 x 50 cm spherical scan area
- Pianissimo, acoustic noise reduction system
- Low couchtop of 43 cm for easy patient access
- Connectivity of 128 coil elements with 8, 16 or 32 channel-readout
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Image recon of up to 12,600 img / s
- Intuitive M-Power graphical user interface

Toshiba · Vantage Elan

Gradient 33 mT / m
Gradient slew rate 125 mT / m / ms
Channels High Speed Switching

Highlights
- Patient friendly 63 cm open bore with 55 x 55 x 50 cm spherical scan area
- Pianissimo Σ , acoustic noise reduction system
- Low couchtop of 45 cm for easy patient access
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Image reconstruction rate of up to 12,600 img / s
- Intuitive M-Power graphical user interface
- Integrated cooling cabinet

SIGNA™ Pioneer* with MAGiC brings 3.0 T MR to a new clinical setting

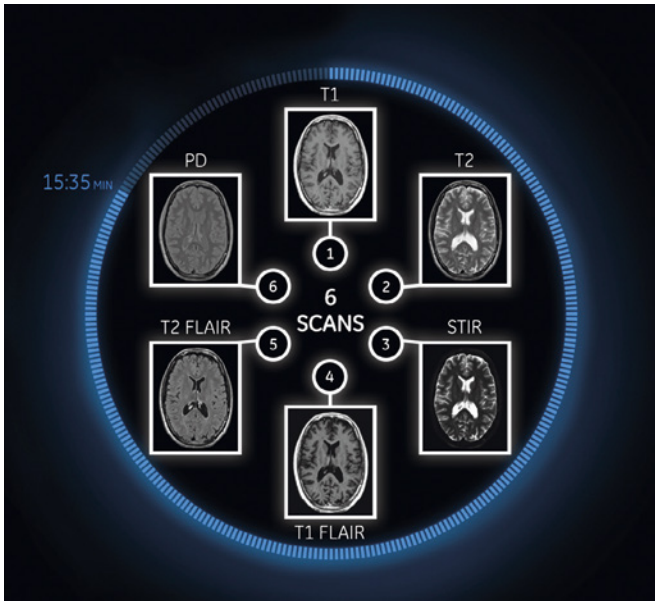
One Scan. Six contrasts. Triple Speed.

SIGNA Pioneer, a new 3.0 T Magnetic Resonance Imaging (MRI) system, embodies the exploration and expansion of modern medical imaging and blazes a trail to the future of MRI. Dr. Ahlers, general manager of radiomed, shares his experience with SIGNA Pioneer recently installed at radiomed practice in Wiesbaden, Germany – one of the first installations worldwide.

Bringing 3.0 T MR to new clinical setting

With up to twice higher signal levels, 3.0T MR systems improve spatial resolution and therefore provide more information on very fine anatomical structures, compared to 1,5T systems. 3.0T MRIs are common in academic and research hospitals. Now the SIGNA Pioneer brings the power of 3.0T for clinical use and accessibility to a broader range of healthcare providers. The SIGNA Pioneer 3.0T MRI delivers the ease-of-use and flexibility of a 1.5T system, with improved image homogeneity and reproducibility for oncology and spine imaging for example. In addition, ultra-high efficiency gradient technology enables the MR system to maintain a high-end performance, even during demanding clinical applications such as cardiology or oncology. "In comparison to the 1,5T MR, our image quality for Brain and MSK clinical cases has improved significantly, now we are able to increase the signal-to-noise ratio (SNR) or resolution or both. We also observe very high cardiac imaging performance with high SNR for perfusion" said Dr. Ahlers, general manager of radiomed. Using equivalent imaging parameters, physicians are also able to use the signal gain to shorten patients' breath-holds for liver exploration, and even to complete free-breathing body imaging, offering a much improved patient experience but also image quality in very challenging situations.

3,0 T MRI Signa Pioneer with extra large tunnel and comfortably lowerable patient table offers a wide range of clinical applications.



Conventional: Six scans for six contrasts

MAGiC: One scan with six contrasts (based on MAGiC neuro-protocols. Final results may vary based on protocol.)

The MAGiC* of complete flexibility for multiple contrast changes

The new MAGiC sequence is a major innovation in neuro imaging. For the first time ever with MAGiC, clinicians have the ability to generate six contrasts in a single scan and in as little as one-third of the total time taken to acquire each contrast separately using conventional techniques. After an acquisition of only five minutes, it is now possible to adjust the image contrast in real time, even after completing the scan by simply moving a dynamic cursor to change conventional MRI acquisition parameters (TE, TR and TI) depending on the disease or the age of the patient. Dr. Ahlers stated: "In addition to all contrasts automatically provided by MAGiC, such as FLAIR, T1, T2, PD, STIR and PSIR, we scan three additional sequences including T2* and DWI to have a comprehensive brain routine protocol, all in less than ten minutes."

This time saved could potentially allow clinicians to scan one more patient per hour, every hour of every day. MAGiC also provides quantitative information (maps T1, T2, and proton density) which has the potential to provide new perspectives for physicians to characterize earlier and more precisely small or secondary lesions and monitor patients with neurodegenerative disorders.

Innovative clinical applications for professional healthcare

In addition to MAGiC, the SIGNA Pioneer offers several impressive advances in imaging with innovative applications and thus gives clinicians a high diagnostic confidence: "With SIGNA Pioneer, our goal was to improve both productivity and image quality simultaneously. We are already seeing results with innovative sequences. For example in body imaging, the new sequences DISCO and FOCUS have changed our pelvic protocol for oncology studies. We now use a FOCUS small FOV diffusion centered on the pelvic area with significantly reduced distortions especially at 3.0T. DISCO has replaced our previous DCE-MRI sequence since it allows us to achieve very high temporal resolution and very high spatial resolution simultaneously. This has helped to improve assessment of lesion enhancements." He added: "The system is really built for large field of view body and spine imaging. We are able to routinely scan 50 x 45 cm coronal scans with very good image quality. In many cases it minimizes the number of stations we would need for body and spine imaging."

Improving patient experience in very challenging situations

Patients with neurodegenerative disease, who cannot remain still during the examinations, will also now be able to benefit from MR. With new advanced 3D motion correction software, SIGNA Pioneer will compensate patient movement to provide the same image quality and comfort for diagnosis despite involuntary movements.

An enhanced SilentScan package also considerably reduces scan noise from excess of 110 decibels (dBA) for conventional MRI scans to just three dBA above ambient noise for most head exams. This is a major differentiator for patient comfort and to minimize the risk of deteriorating image quality for the radiologist in anxious patients. "The SilentScan technology has helped us deliver a nearly noise-free neuro exam including Diffusion Weighted imaging. Our patients really appreciate it", concluded Dr. Ahlers.

www.gehealthcare.com

** Commercially available and cleared for use in Germany, Austria, Switzerland and other select regions of the world.*

1.5 TESLA

Wandong · i_Magnate 1.5T MRI System

Field strength	1.5 T
Gradient	35 mT / m
Slew rate	128 T / m / s
Channels	8

Highlights

- Optical RF technology brings higher SNR and better image quality
- Short bore of 140 cm with a spacious bore diameter of 60 cm
- 8 – 32 channel parallel acquisition achieve higher scanning speed
- Zero helium consumption technology greatly lower running cost
- iPad / iPhone remote scan control and diagnosis
- Powerful workstation with abundant image processing function
- CE and FDA approved

Xingaoyi (XGY) · SUPERSCAN 1.5 T

Field	1.5 T
Gradient	30 mT / m
Slew rate	100 mT / m / ms

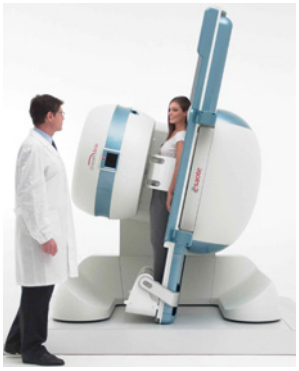
Highlights

- Full range of stanning sequences
- Best performance at low cost
- Matches a wide range of imaging needs in any hospital

OPEN

Esaote · G-scan Brio eXP

Field strength	0.25 T
Gradient	20 mT / m
Slew rate	56 mT / m / ms



Highlights

- G-scan Brio eXP is a third generation of dedicated MRI for MSK imaging in supine and weight-bearing position.
- It provides a complete range of MRI imaging sequences, including the most advanced pulse acquisitions, such as Steady State and Fat & Water separation imaging.
- Weight-Bearing MRI gives an added diagnostic value for those pathologies not clearly defined in conventional MRI.

Esaote · O-scan eXP

Field strength	0.31 T
Gradient	20 mT / m
Slew rate	100 mT / m / ms

Highlights

- O-scan eXP is the third generation of dedicated MRI designed for imaging extremities.
- O-scan provides an outstanding image quality in line with today's standards.
- O-scan with eXP technology makes the exam time of 15 min per patient.
- O-scan break-even figure is only three exams / day thanks to an affordable price and very low running costs, compatible with the current healthcare's needs.

Esaote · S-scan eXP

Field strength	0.25 T
Gradient	20 mT / m
Slew rate	56 mT / m / ms

Highlights

- S-scan eXP is the third generation of dedicated MRI for imaging of the spine and extremities.
- S-scan with eXP technology features an outstanding image quality both on spine and joints.
- S-scan is perfectly in line with today's need for efficient and economic health care, and is a sensible choice for any imaging center with a substantial musculoskeletal workload.

Hitachi · APERTO Lucent

Field strength 0.4 T
Gradient 25 mT / m
Slew rate 55 T / m / s

Highlights
- Wide, 320 degrees open permanent MRI system
- Features top field strength – 0.4 T – amongst the permanent MRI systems presently on the market
- Newly developed built-in technologies keep APERTO Lucent delivering image quality comparable with entry level HF MRI scanner
- Fast processing chain allows increasing patient throughput
- Reduced running costs allowing fast return of investment

Hitachi · AIRIS Vento

Field strength 0.3 T
Gradient 22 mT / m
Slew rate 55 T / m / s

Highlights
- Comfort class permanent open MRI system, which keeps enhanced capabilities meeting sophisticated open design
- Offers newly developed technologies available at an excellent cost of ownership
- High magnetic field homogeneity
- Environment friendly: extremely low power consumption and reduced installation requirements
- Low running costs allowing fast return of investment

Hitachi · OASIS

Field strength 1.2 T
Gradient 33 mT / m
Gradient slew rate 100 T / m / s
Channels 8

Highlights
- World's most powerful open MRI
- 1.2 T vertical field super-conductive magnet for high SNR
- 270° panoramic view, accommo-dates claustrophobic, paediatric, obese patients
- Fully motorized extra wide 82 cm patient table (up to 300 kg)
- Two-pillar asymmetric design
- Soft Sound Technology
- Multiple coil connectors with Zenith solenoid element based, highly sensitive receiver coils

Hitachi · AIRIS Vento LT

Field strength 0.3 T
Gradient 22 mT / m
Slew rate 55 T / m / s

Highlights
AIRIS Vento LT (0.3 T) – the economic, compact and wide open MR solution.
- The open system architecture gives not only a feeling of security but also has considerable merits when taking care of small children and elderly patients
- The floating table allows to fit the system into small spaces while giving the possibility of placing the patient always in the centre to achieve high image qualitiy

Mindray Medical · MagSense 360 MRI System

Field Strength 0.36 T
Gradient 25 mT / m
Slew rate 60 T / m / s

Highlights
- Innovative InScan Technology
- Advanced Gradient system Design
- Ergonomic Design make you more comfortable
- Multi-clinical Applications satisfied doctors requirement
- Multiple coils selection make all examination reality

OPEN

Philips · Panorama HFO Oncology Configuration

Highlights

Philips Panorama HFO oncology configuration – Imaging that fits your planning.

- Imaging in treatment position enabled by the open spacious design of the system
- Streamlined clinical workflow with MR images customized for radiation therapy planning
- Quality assurance for geometric deformation

Philips · Panorama HFO

Field strength	1.0 T
Gradient	28 mT / m
Slewrate	120 mT / m / ms

Highlights

- Patient friendly: three times larger patient aperture than conventional MR to handle stressed and claustrophobic patients, children, elderly and large patients
- High-field performance comparable to 1.5 T in a truly open configuration
- Increased productivity with SmartExam, one-click planning, scanning and processing
- Enables unique applications not possible with cylindrical systems

Siemens · MAGNETOM C!

Field strength	0.35 T
Gradient	24 mT / m
Slew rate	55 T / m / ms

Highlights

- Smallest pole diameter (137 cm / 54 inches) for patient comfort
- True, multichannel, seamless imaging (up to 100 cm)
- No cryogen use and low power consumption
- Outstanding image quality at mid-field

Wandong · i_Open 0.5T Permanent MRI System

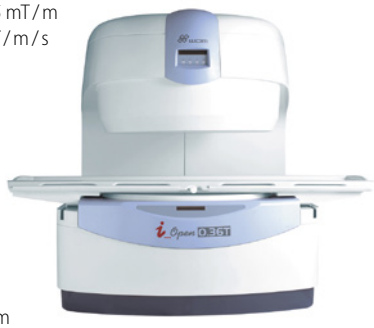
Field strength	0.5 T
Channels	4 channels
Gradient	30 mT / m
Slew rate	80 mT / m / ms

Highlights

- Two column, large span, super open magnet design
- Six-way movement motorized / manual patient table
- Automatic laser positioning system with two-LCD touch screen control panel
- Four channels digital RF system
- Windows based imaging workstation with user friendly interface provides excellent user experience
- CE and FDA approved

Wandong · i_Open 0.36T Permanent MRI System

Field strength	0.36 T
Gradient	28.5 mT / m
Slew rate	95 T / m / s



Highlights

- C-Shape permanent magnet
- Multi-channel digital RF system
- Cross laser positioning system with two-LCD display panel
- CE and FDA approved
- ACR Accredited
- Windows 7 based imaging workstation with user friendly interface provides excellent user experience
- Experienced service team since first overseas installation in the U.S. in 2005

Xingaoyi (XGY) · OPER 0.5 T

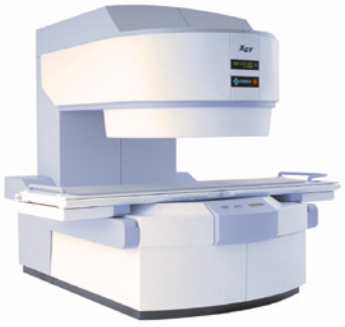
Field	0.5 T
Gradient	24 mT / m
Slew rate	70 mT / m / ms

Highlights

- The first mid-field permanent magnet MRI system used in clinical applicationworldwide
- Full range of scanning sequences, best images
- High throughput, shorter scanning time

Xingaoyi (XGY) · OPER 0.4 T

Field	0.4 T
Gradient	20 mT / m
Slew rate	66 mT / m / ms



Highlights

- Higher SNR and larger imaging range with Multi-RF channels
- Excellent images and full range of scanning sequences
- Low power consumption, low failure rate, high operating ratio
- Requires little space for installation

Xingaoyi (XGY) · OPER 0.35 T

Field	0.35 T
Gradient	19 mT / m
Slew rate	66 mT / m / ms

Highlights

- Excellent images, full range of scanning sequences
- Low power consumption, low failure rate
- Small installation site

Xingaoyi (XGY) · OPER 0.3 T

Field strength	0.3 T
Gradient	15 mT / m
Slew rate	48 mT / m / ms

Highlights

- Complete function, excellent images, full range of scanning sequences
- Clear quick scan image with high slew rate
- Extremely low power consumption and very low failure rate

MR-PET

Siemens · Biograph mMR

Field strength 3 T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 32

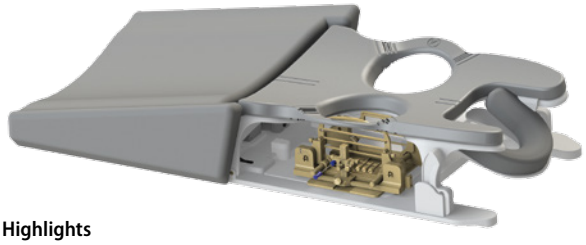
Highlights
- Largest customer base with over 70 installations worldwide
- State-of-the-art 3 T MRI with 2nd order shim
- Comprehensive set of surface coils available for full range of MR-only exams
- Not only simultaneous, but synergistic MR-PET: MR-based motion compensation of PET images
- Whole-body attenuation MR-based attenuation correction including bones
- Up to 10 bed positions with MR-PET
- Latest applications available with *syngo* MR E11 software

syngo MR E11 for Biograph mMR is still under development and not commercially available yet. Its future availability cannot be ensured.

MRT COILS

NORAS · Breast Biopsy 4-Channel Coil Height-Adjustable

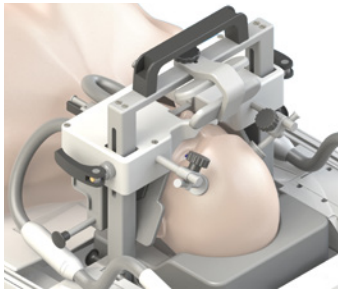
Field strength 1.5 and 3 T
Channels 4
System platform Siemens



Highlights
- The NORAS Breast Biopsy 4-Channel Coil Height-Adjustable features for improved image quality while shortening the acquisition time for MRI breast examinations.
- The Coil ensures optimized patient comfort through the height adjustable patient and head rest. Also it is a flexible solution for both small and large breasts.
- Excellent medial, lateral and craniocaudal access to the breast.

NORAS · Mandibula 15-Channel Dental Coil

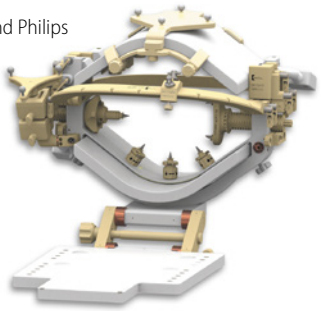
Field strength 1.5T, 3T
Channels 15
System platform Siemens Tim Systems



Highlights
- The "Mandibula" is a multi-element receive array and positioning system for 3D high-resolution dental and maxillomandibular MRI images.
- The coil provides high resolution dedicated MR imaging in dental area and reduces scan times.
- It ensures maximum patient comfort due to its design and accessories like a patient rest pillow, an open-mouth fixation mechanism and a both direction mirror.

NORAS · Neurosurgery Solution FLEXIBILITY

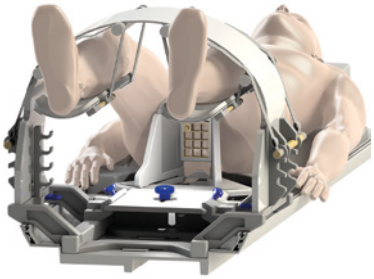
Field strength 1.5 and 3 T
Channels 8
System platform Siemens and Philips



Highlights
The new NORAS Head Holder Flexibilty consists of a 8-channel iMRI Head Coil for imaging and intervention in a neurosurgical OR environment. Being height adjustable the setup enables optimal positioning in 70 cm bore systems. Moreover, the Head Holder is movable along the bore direction, which facilitates flexible patient positioning on the transfer board. Head fixations with 3 up to 5 pins are supported.

NORAS · Uni-Lift Prostate Intervention Device

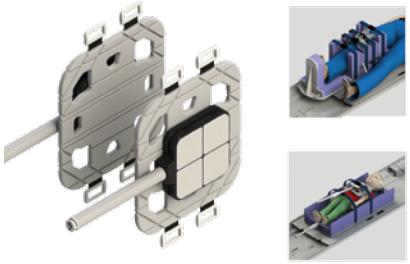
Field strength n / a
Channels n / a; Compatible with standard MR coil portfolio
System platform 70 cm Bore MR Systems



Highlights
- The "Uni-Lift" is a MR-compatible Holding Device for for MR-guided interventions of the prostate.
- It allows comfortable patient positioning in supine position, which guarantees excellent transperineal access for the performing physician towards the prostate in the MRI system.
- The Uni-Lift device can also be used for therapy of the prostate.

NORAS · Variety 16-Channel Multipurpose Coil with Positioning Aids

Field strength 1.5 and 3 T
Channels 16 (2 x 8)
System platform Siemens Tim Systems



Highlights
- The "Variety" is a 16-channel multipurpose flex coil, which has been developed for high flexibility during examination of challenging anatomic regions. The areas of application of the "Variety" include: diagnosis in orthopedics, pediatrics and veterinary medicine.
- Slim design and optional dedicated positioning aids enable coil placement close to anatomy of interest for optimal image quality.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Alliance Medical · Flexible diagnostic imaging services

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET / CT
- Interim services for bridging downtimes
- Regular "routing" services

Alliance Medical · Modular building solutions

Highlights
Engineering, rental, sale of modular buildings MRI, CT, PET, PET / CT including or excluding diagnostic equipment

allMRI GmbH · Adjustable height MRI trolley

Highlights
- Tested at 3 Tesla
- Comes with two adjustable side rails
- Hydraulic pedal pump
- Adjustable headrest
- Choice of 21 upholstery colours
- Weight capacity 200 kg

allMRI GmbH · Foldable MRI wheelchair

Highlights
- MRI safe foldable wheelchair entirely made of 100 % thermoplastic
- Including the ball bearing
- Two swing out adjustable footrests and armrests
- Also solid rubber tires

allMRI GmbH · MRI hygiene cart

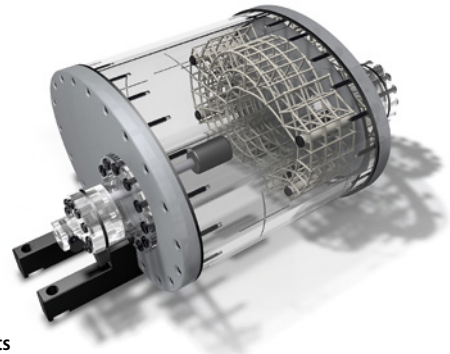
Highlights
- Hygiene cart with desinfaction solution dispenser 0,5 litre and disposable gloves holder
- Three drawers with a lot of room for personal storage equipement
- Width: 700 mm
  Depth: 410 mm
  Height: 1.230 mm

allMRI GmbH · Wireless MRI communication system

Highlights
- New productivity using MR-safe communications
- Doctors can speak with each other, with their patient, and with technologists
- Enables up to eight concurrent dialogs during a scan – five staff members, plus a patient
- Adaptive DSP-based noise reduction filters out EPI gradient noise, ensuring excellent sound quality
- Automatic noise reduction, field-proven reliability

ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms



Highlights

- MRI-Linac Dynamic Phantom
- Main and Large field MRI distortion phantoms
- Triple Modality Abdominal Phantom
- Lumbar Training Phantom
- Anthropomorphic 3D Skull Phantom
- Multi-Modality Breast Biopsy and Sonographic Trainer
- Multi-Modality Prostate Phantoms
- Multi-Modality Pelvic-Phantom
- Gillian QA Phantom for distortion and alignment

Philips · Refurbished Systems

Highlights

Philips Diamond Select provides reliable, like-new refurbished imaging systems at an attractive price. With the financial challenges in healthcare today, Diamond Select equipment is a simple, economical alternative to purchasing new equipment. Diamond Select offers up-to-date technology to expand the variety of high-quality services available to patients, while helping healthcare providers aim for increased profitability.
All systems undergo a thorough five-step refurbishment process in order to maintain the high standards set by Philips. The Philips Diamond Select line of fully configurable refurbished systems is available for the following imaging modalities: CT, MR, cardiovascular (CV) Xray, surgical / interventional X-ray, ultrasound and advanced molecular imaging.

Philips · Ambient Experience

Highlights

Ambient Experience is a purposely designed healthcare environment. With a refreshingly creative eye, Ambient Experience integrates technology, spatial design, and workflow improvements to create a more comfortable, stress-reducing environment for both patients and staff.

Every project is a solution tailored to suit individual institutional needs – guided by the four fundamental pillars of Ambient Experience:

- Physical and emotional comfort
- Patient and staff contact
- Experience personalization
- Hospital workflow

SCHILLER · MAGLIFE light

Highlights

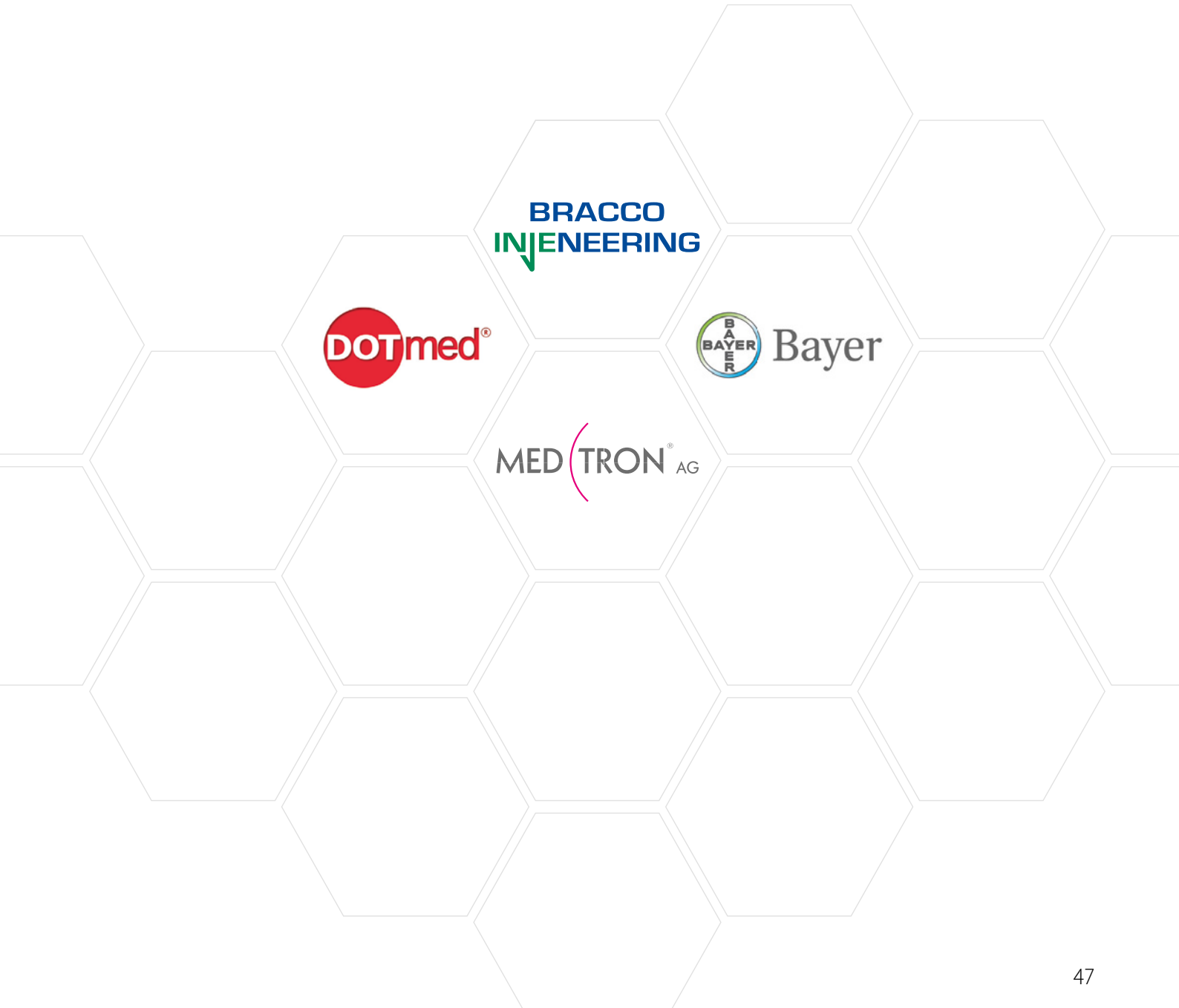
- MRI compatible up to 3 Tesla
- Parameter: SPO2 and / or NIBP
- Mains and battery driven (1.5 hours)
- Optimized for day to day application
- No installation necessary
- HTML printing function
- Optimized for adult children and neonates

SCHILLER · MAGLIFE Serenity

Highlights

- Highest ECG quality even under strongest gradient influence
- MRI compatible up to 3 Tesla
- Optical core and skin temperature
- Configuration for anaesthesia, cardiac and intensive care applications
- Patented artefact inhibition
- Optimized for adult children and neonates
- Wireless Data Transmission
- Wireless or optically wired Sp02
- Mains and battery driven
- 12.1" color display

Injectors



Bayer · MEDRAD Avanta Advanced Fluid Management System

Pressure 300 / 1,200 psi / bar
Capacity 150 ml Selectable pressure increasement
Flow rate Variable 1 to 10 ml / sec

Highlights
- Contrast and saline flush cardiovascular power injector
- Precise fluid delivery, fluid level sensing and gross air detection
- Accurate injection pressure control with user adjustable pressure limits
- Bolus sharpness delivering exact variable and fixed contrast via a responsive syringe
- Color graphical user interface with on screen tutorial for simplified setup

Bayer · MEDRAD Intego PET Infusion System

Flow rate 18F-FDG or 18F-Na

Highlights
- PET Infusion System for the dose administration of 18F-FDG or 18F-Na
- Automated dose preparation and patient infusion in a single mobile system:
  – Reduce radiation exposure to clinicians
  – Dose preparation, patient infusion, and saline flush all combined into one system enables accurate Delivered vs. Prescribed Dose (± 2 %)

Bayer · MEDRAD Dual Syringe CT Injector Stellant D

Syringe A and B: 200 ml
Pressure 325 psi (22.1 bar)
Flow rate A and B: 0.1 – 10 ml / secin 0.1 ml / sec increments

Highlights
- Saline Flush Capability for contrast efficiency
- Automated loading, filling, and priming
- Stores and recalls up to 32 programs
- Precisely times contrast delivery with real-time display of injection pressure

Bayer · MEDRAD Mark 7 Arterion

Syringe 150 ml
Pressure 100 – 1,200 psi
Flow rate 0.1 – 45.0 ml / sec; 0.1 – 59.9 ml / min; 0.1 increments

Highlights
- The Mark 7 Arterion Injection System is MEDRAD's latest angiographic injector
- The Mark 7 Arterion is lighter, more maneuverable and easier to use so you can focus more on the patient
- It has a clear and intuitive user interface and a unique front-load system to simplify set-up and tear-down
- The clear syringe facilitates purging air
- Multiple configurations for maximum flexibility

Bayer · MEDRAD MRXperion

Syringe Contrast media 65 ml – Saline 115 ml
Pressure Maximum 325 psi / 2,240 kpa
Flow rate Selectable from 0,01 ml / sec to 10 ml / sec

Highlights
- Streamlined Injection Workflow allows more focus on the patient
- Enhanced Point of Care by bringing more injector functionality into the scan room
- Informatics-ready – Radimetrics Enterprise Platform connectivity facilitates standardized injection protocols and operational consistency
- Maximized Uptime Support – VirtualCare Remote Service enhances injector up-time

Bayer · MEDRAD Spectris Solaris EP

Syringe	Contrast media 65 ml – Saline 115 ml
Pressure	Maximum 325 psi / 2,240 kpa
Flow rate	Selectable from 0,01 ml / sec to 10 ml / sec

Highlights

- Flexible power management with battery operation or continuous battery charging through AC power connection
- Pressure Limit selection from one of six preset maximum pressure limits, and the ability to view pressure during injection on the control room display
- 3T compatibility
- Multiphase injection control with 6 user-programmable phases including PAUSE and HOLD
- Programmable KVO

Bracco · CT Exprès

Syringe Syringeless injector
Pressure 9.1 bar max
Flow rate 0.5 – 9.9 mL / s in steps of 0.1 mL / s
Application CT

Highlights
- Direct injection from contrast media bottles
- Air and occlusion detection on fluid channels
- Unidirectional flow of fluid
- Locking and automatic filling
- Digital interface, dual touch screens
- DiluJect (optional): contrast media and saline are injected in rapidly alternating flow through the injector

Bracco · EmpowerCTA+

Syringe 200 ml (CM), 200 ml (NaCl)
Pressure 40 to 325 psi in user-specified increments of 1 psi
Flow rate 0.1 to 10.0 ml / sec in user-specified increments of 0.1 ml / sec
Application CT

Highlights
- Tilt sensor / lockout
- Arming at the injector
- Independently rotating and very compact injector head (270 degrees)
- Integrated electroluminescent display
- Modular flexibility of components and WINDOWS based software allow optimal serviceability and enhanced expandability
- Touch-screen color LCD display and intuitive software

Bracco · EmpowerMR

Syringe 100 ml (CM), 100 ml (NaCl)
Pressure 40 to 300 psi in user-specified increments of 1 psi
Flow rate 0.1 to 10.0 ml / sec in user-specified increments of 0.1 ml / sec
Application MR

Highlights
- Hydraulic injector system
- MRI compatible through the use of polymers and non-ferromagnetic metals
- Little contrast media waste due to the very short distance between injector head and patient
- Very lightweight injector head
- No active components in the shielded room (no battery)

MEDTRON AG · Accutron CT

Flow rate 0.1 – 10 ml / s, programmable in steps of 0.1 ml / s
Capacity 200 ml Easy Loading Syringe (ELS)
Max. injection pressure 21 bar (304 psi)
Syringe Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit, rechargeable batteries
- Integrated heated syringe holder with Easy Loading Syringe (ELS) 200 ml
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Secured injection position (built-in sensor)
- Aluminium housing
- Use of prefilled syringes (as an option)

MEDTRON AG · Accutron CT-D

Flow rate For both injection units: 0.1 – 10 ml / s, programmable in steps of 0.1 ml / s
Capacity 200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure 21 bar (304 psi)
Syringe Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit with rechargeable batteries
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Wireless touchscreen remote control
- Use of prefilled syringes (as an option)
- Secured injection position (built-in sensor)
- Alternatively, display of injection parameters or pressure graph
- Aluminium housing – wall or ceiling suspension
- CANopen Interface (as an option)

MEDTRON AG · Accutron HP

Flow rate	Angio mode: 0.1 – 30 ml / s, CT mode: 0.1 – 10 ml / s, programmable in 0,1 ml / s increments
Capacity	200 ml
Max. injection pressure	Angio mode: 83 bar (1,200 psi), CT mode: 21 bar (305 psi), programmable in 1 bar increments
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valves

Highlights
- Fast high-pressure injections for angiography and multiphase injection profiles for CT
- Wireless injector unit with rechargeable batteries
- Wireless touchscreen remote control (option)
- Wall or ceiling suspension system
- Integrated heated syringe holder for Easy Loading Syringe (ESL) 200 ml
- 120 injection profiles can be stored (60 angio / 60 CT)
- Aluminium housing – Interface (option)

MEDTRON AG · Accutron HP-D

Flow rate	Angio mode: 0.1 – 30 ml / s, CT-mode: 0,1 – 10 ml / s, programmable in 0,1 ml / s increments
Capacity	200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	Angio mode: 83 bar (1,200 psi), CT mode: 21 bar (305 psi), programmable in 1 bar increments
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valves

Highlights
- Wireless unit with rechargeable batteries
- Multiphase program controlled injection of CM & NaCl
- Single or multi injection mode
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Touchscreen control panel, multilingual
- Up to 3 phases – pressure graph – secured injection position (built-in sensor)
- 60 injection profiles storable
- Interface (option) – Aluminium housing

MEDTRON AG · Accutron MR

Flow rate	0.1 – 10 ml / sprogrammable in 0.1 ml / s increments
Capacity	64 ml or 200 ml (CM), 65 ml or 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	21 bar (304 psi)
Syringe	Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit with rechargeable batteries
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to 6 phases – secured injection position
- Use of prefilled syringes (as an option)
- Alternatively, input of flow rate or phase duration
- Pressure graph
- Aluminium housing

MEDTRON AG · Accutron MR3

Flow rate	CM / NaCl: 0,1 – 10 ml / s, programmable in 0,1 ml / s, increments, Infusion pump: 0,001 – 30 ml / min
Capacity	CM: 64 ml (ELS), NaCl: 200 ml (ELS) Infusion pump: 50 ml
Max. injection pressure	21 bar
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, optimized tube systems with check valve

Highlights
- Contrast medium injector with integrated infusion pump
- Wireless injector unit with rechargeable batteries
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to 6 phases
- Alternatively, input of flow rate or phase duration
- Aluminium housing

Interventional Systems

Alliance Medical

DOTmed®

DMS

APELEM

esaote

GCTechnology GmbH

GMM

GE Healthcare

INTERMEDICAL

iae

PHILIPS

Medtronic
Further, Together

HOLOGIC®

PrimaX
international

SHIMADZU
Excellence in Science

stephanX
RADIOLOGICAL SOLUTIONS

TECHNIX

VILLA
SISTEMI MEDICALI

TOSHIBA

SIEMENS

ziehmimaging

WDM

- Hybrid-OPs
- Bi-Plane
- Single Plane
- Surgical II-C-Arms
- Surgical Flat Panel C-Arms
- Accessories / Complementary Systems

HYBRID-OPS

GE Healthcare · MR Surgical Suite & Optima MR450w 1.5 T

Gradient 34 mT/m (XP 44 mT/m)
Slew rate 150 T/m/s (XP 200 T/m/s)
Channels 32 up to 128

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery.
- Includes all necessary additional equipment and offers the combination of a fully equiped Maquet OP table with a state of the art MRI

Philips · Sonalleve MR-HIFU

Highlights
- A non-invasive treatment stage in which a high-intensity focused ultrasound energy beam penetrates through the skin and soft tissue, causing localized high temperatures to coagulate tissue only in the focus area and leaving the skin and intermediate tissue unharmed. The process is monitored and controlled by MR imaging and feedback. During treatment, the ultrasound focus is moved electronically over the volume to be ablated
- A therapy verifi cation stage in which contrast-enhanced MRI is used to assess the procedure

Sonalleve MR-HIFU and some of its applications are not available in all countries.

Siemens · MIYABI Angio-CT

Design Integration of high-end CT imaging with C-arm angiography system

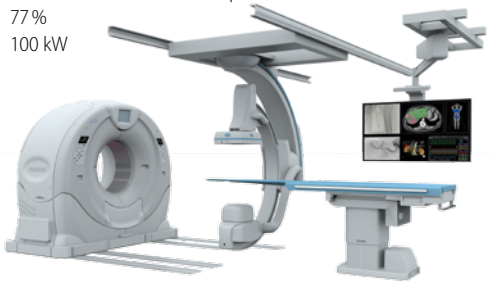
Highlights

Powerful Interplay between Angio and CT delivers state-of-the-art image-guidance
- Quickly switching modalities makes routine cases easier
- Complex cases become possible with roadmaps free of breathing artifacts
- Increase capacity – let one CT serve two rooms
- Intra-operatively evaluate response and personalize treatment with CT-Perfusion and TwinBeam Dual Energy

MIYABI Angio-CT is a customized solution

Toshiba · Infinix 4DCT

Design Integration of High End CT with dedicated Angiography system
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW



Highlights

This integrated system combines premium CT and ceiling-mounted angiography technology. The perfect diagnostic and treatment set-up for high-risk procedures in various interventional segments such as:
- Interventional Oncology
- Trauma
- Neuro / Stroke
- General Vascular
- Additional or Backup CT

The system is available with 3 different CT configurations: Aquilion ONE – Aquilion PRIME – Aquilion LB

BI-PLANE

GE Healthcare · Innova IGS 630

DQE 77 %
Detector Biplane Angio system
Size 30 x 30 cm frontal / 30 x 30 cm lateral

Highlights
- Optimal detector size for dedicated neuro applications
- Innova CT HD, enhanced 3D imaging
- High detector DQE and AutoEx for dose optimization
- Advanced 3D guiding technology
- Integrated large display monitor

GE Healthcare · Innova IGS 620

DQE 79 %
Detector Biplane cardiac system
Size 20 x 20 cm frontal / 20 x 20 cm lateral

Highlights
- Smart gantry for optimal C-arm positioning
- High detector DQE and AutoEx for dose optimization
- Complete integration of intra-vascular-ultrasound, FFR
- InnovaSense patient contouring
- Integrated large display monitor

Treat better, see more, work faster with INFINIX 4DCT

Adding a state of the art CT to an angio suite, the INFINIX 4DCT delivers the big picture in interventional radiology.

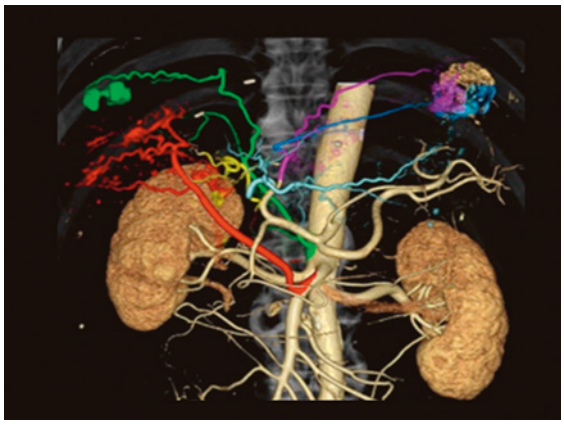
Did we get all of the tumor during a cone beam CT? Can the patient hold his breath for several seconds during a CBCT acquisition? There is only one sure way to answer these critical clinical questions. Get the patient to a CT scanner.

In case of serious doubts during a procedure in a conventional angio suite, the procedure could be stopped, and the patient must be transferred to the CT scanner in another room. To reduce this hour-long delay to just a few minutes, to leave the patient on the operating table with the catheters still in place and ready to work again, Interventional radiologists have moved the CT into the angio suite for immediate answers to their questions.

Having a full-scale CT available in the same room as the angiography system bring new capabilities to the medical team for planning the intervention, for treatment, and verification of the effects of treatment. Introducing the INFINIX 4DCT, Toshiba adds a new dimension to image guided therapy with a powerful hybrid imaging system combining the world's most flexible angio suite with the most advanced dynamic volume CT.

INFINIX 4DCT systems can be configured with an angiography system and one of four Aquilion CTs, the 32-slice Aquilion Large Bore version, the 160 slice Aquilion PRIME, the 640 slice Aquilion ONE and the 640 slice Aquilion ONE Vision Edition.

Toshiba's signature wide detector CT technology with up to 16 cm coverage in a single rotation provides an outstanding ability to serve a wide range of procedures from interventional oncology to trauma, from neuro to cardiac.



Interventional oncology: Advanced perfusion imaging assists you in imaging and treatment planning of tumors more accurately and immediately verifying the response to therapy.

Unique to the INFINIX [4D]CT configurations with the 640-slice Aquilion ONE is the 16 cm full anatomical coverage that adds a fourth dimension to 3D full volume scans by showing time lapse images in a cine mode, for example the perfusion of the liver.

The INFINIX [4D]CT suite also integrates Toshiba's SURE guidance for rapid, accurate target positioning. From a CT scan data set the clinician selects the reference slice with the best view of the pathology and loads it to the angio system so that the C-arm moves precisely to the target. The C-arm continuously tracks any table movement to remain on target.

[SURE]Guidance works in the other direction as well with the CT scanner targeting with precision a position loaded from the angio image. "Having such a system with a CT scanner takes us one step further by acquiring anatomical and functional data simultaneously with high spatial and temporal resolution," said René Degros, Business Unit Manager X-Ray Europe.

"You can not get this field of view, neither would you have such a level of detail with any other modality," he said, adding that multiple publications have demonstrated CT perfusion provides the greatest sensitivity.

"With angio, you might think you are covering the entire tumor, yet on CT we can clearly see signs that we should look to other arteries that may be feeding this tumor, and it then becomes easier to locate these extrahepatic feeders and ensure we treat the entire tumor," he said.

INFINIX [4D]CT brings also a new dimension to other procedures, such as gastric-intestinal (GI) bleeding, bronchial artery embolization, complex endoleak embolization or complex drainage, he added. During radio frequency ablation of a tumor, it becomes critical to identify vessels adjacent to the targeted tumor and block the blood flow that can dissipate the full heating effect meant to destroy the tumor." This is only possible if you have a CT in the room," he said.

With a GI bleed it can be very difficult to locate the bleed using the angio view or cone-beam CT due to motion artefacts caused by breathing, "yet with a CT scanner in the room, it becomes easier," he said. INFINIX [4D]CT incorporate DoseRite and AIDR3D functions that optimize image quality at low-dose exposures with iterative reconstruction as well as Toshiba's Adaptive Diagnostics functionalities for bone free contrast enhanced imaging, or metal artefact reduction.

"Each intervention holds a risk. Yet if we bring a CT scanner into the room, we have the option to do studies that can give us clear endpoints, to determine whether we have treated the patient's condition sufficiently and not expose the patient to further risk caused by additional interventions."

"In the future, I believe we will find that adding this hybrid imaging capability can change the way we treat patients," he said.

www.toshiba-medical.eu

Imaging morphology and function: Toshiba's wide detector CT technology with up to 16 cm coverage in a single rotation allows you to acquire anatomical and functional data simultaneously with high spatial and temporal resolution.

BI-PLANE

Philips · AlluraClarity FD20/10 and FD20/20

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp/mm for Frontal, FD 20 / 10, Frontal and lateral for FD 20 / 20 and 1,024 x 1,024 pixels, 2.72 lp / mm for thelateral C-arc of FD20/10

Highlights
- Opens the door to more interventional procedures
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

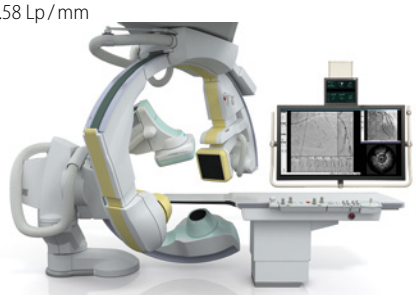
Philips · Allura Xper FD20/10 and FD20/20

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp / mm for Frontal FD 20/10, Frontal and lateral for FD20 / 20 and1,024 x 1,024 pixels, 2.72 lp / mm for thelateral C-arc of FD 20 / 10

Highlights
- DoseWise offers low X-ray dose and excellent image quality
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area.
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

Shimadzu · Trinias B12 / B8 MiX package

Size 12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)
Detector Dynamic flat panel detector (CsI)
Resolution 2.58 Lp / mm



Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE StentView+Plus
- SCORE CT
- SCORE 3D
- SCORE Navi / Navi+Plus
- SMART design concept
- Comprehensive dose management package

Siemens · Artis biplane

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
Biplane system for interventional imaging. The Artis biplane system offers high performance in interventional imaging combined with high positioning flexibility.
- Left-side biplane imaging position for free head access
- Single plane operation with extended position flexibility enabled by rotated table
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s

Toshiba · Infinix CF-i Bi-Plane

Design Unique lateral Omega-arm movement
Detector Two 20 x 20 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights
Cardio intervention demands speed, precision, and optimum performance. The Infinix CF-i Bi-Plane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.

Toshiba · Infinix DP-i

Design Dual Plane cardiac and vascular system in single room
Detector 20 x 20 cm and 30 x 40 cm flat panel detectors
DQE 77 %
Power 100kW

Highlights
- A single room X-ray solution with two C-arms both with dedicated imaging chains for interventional cardiac and angiography procedures that share a common generator, table, monitors and digital acquisition system. Designed for both diagnostic and interventional examinations.
- Space, time and dose saving technology are key design elements of the dual plane Infinix DP-i.

Toshiba · Infinix VF-i Bi-Plane

Design Unique lateral Omega-arm movement
Detector 30 x 30 cm with 30 x 30 cm or 30 x 30 cm with 30 x 40 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix VF-i BP is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.

SINGLE PLANE

GE Healthcare · Discovery IGS 740

DQE 77 %
Detector a-Si
Size 41 x 41 cm

Highlights
- Laser-guided system
- Multiple parking and back-out positions
- Large field of view for big anatomies coverage
- Latest 3D Advanced Applications
- Wide Bore 3D for easier 3D acquisition
- Arm trajectories for Interventional Radiologist
- High detector DQE
- AutoEx: Dynamic exposure optimization
- Integreated large display monitor
- Functionalities integration at tableside

GE Healthcare · Discovery IGS 730

DQE 77 %
Detector a-Si
Size 30 x 30 cm

Highlights
- Laser-guided system
- Multiple parking and back-out positions
- Optimal detector size for hybrid procedures
- Latest 3D Advanced applications
- Wide Bore 3D for easier 3D acquisition
- High detector DQE
- AutoEx:Dynamic exposure optimization
- Integrated large display monitor
- Functionalities integration at tableside

GE Healthcare · Innova IGS 540

DQE 77 %
Detector 2 k a-Si
Size 41 x 41 cm

Highlights
- Large imaging Field of View
- High detector DQE and AutoEx for dose optimization
- Latest 3D-guiding solutions
- Integrated large display monitor
- Functionalities integration at tableside

GE Healthcare · Innova IGS 530

DQE 77 %
Detector 1.5 k a-Si
Size 30 x 30 cm

Highlights
- Optimal detector size for combo procedures
- Fast gantry with patient contouring system
- High detector DQE and AutoEx for dose optimization
- Integrated large display monitor
- Functionalities integration at tableside

The World leader in intraoperative 2D/3D Spine Imaging

Next generation O-arm® – Surgical Imaging System

The new O-arm® - Best for surgery

The O-arm Surgical Imaging System, has successfully established as the #1 multi-dimensional intraoperative imaging devise in spine surgery. Surgeons all over the world consider the O-arm their system of choice, convinced by image quality, ease of handling and reliability. Recently **the next generation of O-arm®** was introduced to the market. Continuous development and innovation will allow the users to expand their clinical indications for use beyond spine application.

Features of the new generation O-arm system include:

- Multiple Field of View (MFOV) quadrupling the image volume compared to the first generation, useful in procedures with stereotactic frames and pelvic trauma
- Field of View Preview, aiding in the ability to navigate the gantry to patient iso-center with reduced dose
- New Low Dose Mode, decreasing dose by approximately 50% compared to standard mode, providing the clinician an additional alternative to choose from in order to achieve ALARA (As Low As Reasonably Achievable)
- Stereotaxy Mode, which is a dose move used with MFOV to highlight the localizer rods for cranial stereotactic frame-based procedures

The O-arm Surgical Imaging System is a surgical imaging platform designed for use in spine, cranial, orthopedic, ENT and trauma-related surgeries. It provides real-time, intra-operative imaging of a patient's anatomy with high quality images and a large field-of-view in both two and three dimensions.

Image quality, patient safety, sterility and ease of use in the OR are essential design criteria for the O-arm system. It has been designed to optimally support the surgical workflow. Its unique patented breakable gantry provides vital lateral patient access, essential for optimal patient positioning and allowing flexibility in the choice of tables used. It also allows to fully prepare the patient before the system is brought into the OR and to create a sterile environment, once closed around the patient. The O-arm is fully mobile and can easily been brought from OR to OR for use in concurrent cases and imaging on demand at any time during a procedure.

Through robotic positioning the O-arm System remembers your best views. Programmable memory stores the exact position of the gantry and detector as well as any X-ray technique, in up to four imaging positions. The user can recall the exact image position at the touch of a button any time during surgery, eliminating time-consuming repositioning and additional X-ray exposure for scouting and minimizing manipulations during surgery.

When not needed for imaging, the gantry moves to the user-defined park position within seconds, allowing surgeon's patient access while maintaining the integrity of the sterile field as the O-arm can remain in the surgical field.

This makes the O-arm an integral tool for the surgical team striving for the best patient outcomes. The O-arm System has brought intra-operative imaging to a new level, with superior image quality and large field-of-view in both 2D & 3D image sets, providing surgeons with the information they need most, precisely when they need it.

Navigate more efficiently than ever before

The O-arm System seamlessly integrates with Stealth Station® navigation to reduce X-ray exposure – increasing safety for both OR staff and patients. Surgical Navigation provides the surgeon with information about the patient's anatomy while reducing the X-ray exposure to patient, surgeon and staff. The advanced navigation user Interface is streamlined to fit the workflow in the OR and to support the surgeon's work. For spinal surgery, a wide range of dedicated navigated instruments and referencing frame options allow to optimize the use of navigation in each part of the spine.

Automatic data transfer of the patient's 3D data set and automatic anatomical registration on the Stealth Station Navigation System is eliminating the need for lengthy patient registration, allowing the surgeon to navigate within seconds after image acquisition, thereby increasing procedural efficiency.

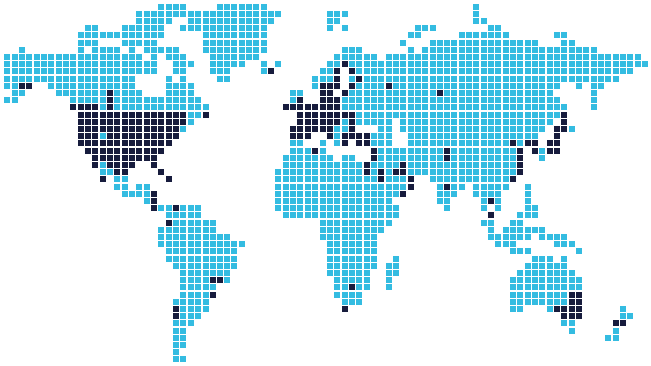
With the combination of O-arm and navigation surgeons are able to improve visualization to complete MIS and complex procedures and confirm the accuracy of advanced surgical procedures before the patient leaves the OR. Additional 3D Datasets may be acquired whenever needed during surgery, making navigation easy to use, more effective and more reliable than ever before.

Because trust matters – Trust through quality and reliability

Since its market launch in 2006, the O-arm has revolutionized intra-operative imaging. Within the last 10 years, the O-arm has become the gold standard in the area of intra-operative 2D / 3D spine imaging. Users from all over the world trust the high product quality, unequalled reliability and versatility of the O-arm.

Through continuous advancement of the hardware and software, the reliability is at the level of a fix installed diagnostic CT. As a reliable service partner, Medtronic ensures the best possible performance and availability of the O-arm throughout its entire service life.

The experience gained over the years is passed on to new users by supervisors in training centers and by on-site Medtronic staff. The annual users' meetings and international special events offer



the perfect platforms for sharing and exchanging experiences. The Medtronic experts are also happy to assist you as needed during clinical application in the operating theatre.

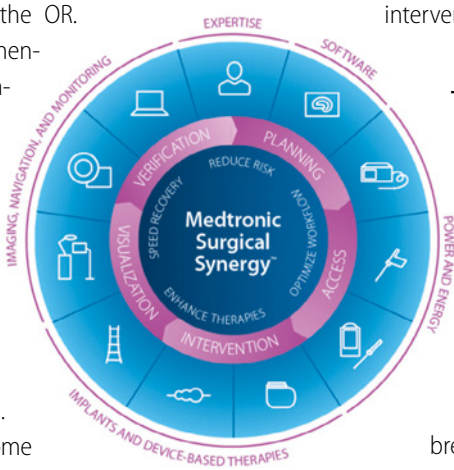
THE O-arm® in mumbers:

900+	O-arm global installations
175+	O-arm installations in Europe
300,000+	Patients benefited from O-arm use
2000+	Surgeon user worldwide

Because trust matters – Trust through continuous advancement

Every day, physicians in neurosurgery, orthopedics, trauma surgery and also in ENT, benefit from the advantages of the system during countless interventions.

Over 170 recognized clinical studies document the benefits of the system, both, during bone surgery as well as during cranial interventions.



Transforming surgical practice

The commitment of Medtronic to the hospital goes beyond equipment. With Medtronic Surgical Synergy™ we offer you a unique integration of innovative surgical technologies with treatments, implants and therapeutic devices to drive procedural excellence and optimal patient care. Only Medtronic offers the depth and breadth of experience and technologies that can respond to your needs, no matter the case.

Surgical Synergy™ offers hospitals complete solutions for the entire surgery from preoperative planning to the patient closure. We leverage synergies that will help transform the surgical experience, drive better patient outcomes and enhance economic value.

For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the instructions for use.

www.medtronic.com

SINGLE PLANE

GE Healthcare · Innova IGS 520

DQE	79 %
Detector	1 k a-Si
Size	20 x 20 cm

Highlights
- Optimal detector size for cardiac interventions
- A set of advanced clinical tools to help Plan, Guide, Assess complex procedures
- Fast gantry with patient contouring system
- High detector DQE and AutoEx for dose optimization
- Integrated large display monitor
- Easy accessibility to functions at table side

GE Healthcare · Optima IGS 330

DQE	77 %
Detector	1.5 k a-Si
Field of View	31 x 31 cm

Highlights
- Optimal detector size for general combo procedures
- A set of clinical tools including 3D imaging capabilities to meet the needs of a wide range of interventional cardiology & interventional radiology procedures

GE Healthcare · Optima IGS 320

DQE	79 %
Field of View	20 x 20 cm
Detector	1 k a-Si

Highlights
- Optimal detector size for general cardiology and electrophysiology procedures
- A set of visualization and quantitative analysis tools dedicated to cardiologists needs
- Low frame rate to minimize dose even further for electrophysiology procedures

INTERMEDICAL · RADIUS XP 100 CARDIO – CEILING SUSPENDED

Power	100 kW
Detector	Digital Flat Panel Detector 30 x 30 cm / 20 x 20 cm
II format	Availbale also with Image Intensifier 9" and 13"

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-arm movements are motorized)
- Modular software configurations suitable for all range of applications

INTERMEDICAL · RADIUS XP 100 CARDIO – FLOOR BASED

Power	100 kW
Detector	Digital Flat Panel Detector 30 x 30 cm / 20 x 20 cm
II format	Availbale also with Image Intensifier 9" and 13"

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-arm movements are motorized)
- Modular software configurations suitable for all range of applications

Medtronic · O-arm System

Power 32 kW
Detector Digital flat panel detector 30 x 40 cm

Highlights

New system – Designed for surgery
- 13s true 360° 3D scan – Fully mobile
- Flexible intra-operative 2D- and 3D-imaging
- Large 2D-image size and large 3D scan volume up to 40 cm width
- Seamless integration in OR workflow
- Easy in use: All motions motorized, simple control panel
- Position memory remembers four scan positions
- Easy draping of the breakable gantry
- Seamless integrating with Stealth-Station Navigation

Philips · AlluraClarity FD20 Series

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp / mm (30 x 38 cm)

Highlights
- Opens the door to more interventional procedures.
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area.
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

Philips · Allura Xper FD20 Series

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp / mm (30 x 38 cm)

Highlights
- DoseWise offers low X-ray dose and excellent image quality
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

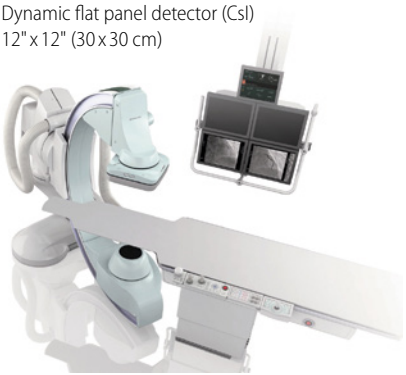
Shimadzu · BRANSIST alexa C12 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12" x 12" (30 x 30 cm)

Highlights
- Ceiling-mounted C-arm
- Wide coverage of C-arm (287 cm longitudinal and 160 cm transverse movement)
- Direct Memory offers unsurpassable ease of operation
- Unique pioneering imaging technology – RSM-DSA
- SCORE StentView: precise real-time stent display in fixed position
- SCORE Pro Advance Advance: real-time image enhancement processing technology

Shimadzu · BRANSIST alexa F12 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12" x 12" (30 x 30 cm)



Highlights
- Floor-mounted C-arm
- High sensitive detector technology for outstanding image quality
- Six-axis triple-pivot construction for wide body coverage
- SCORE Pro Advance: real-time image enhancement processing Technology
- Unique pioneering imaging technology – RSM-DSA

SINGLE PLANE

Shimadzu · Trinias C12 / C8 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)

Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE StentView+Plus
- SCORE CT
- SCORE 3D
- SCORE Navi/Navi+Plus
- SMART design concept
- Comprehensive dose management package

Shimadzu · Trinias F12 / F8 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flatpanel detector (CsI)
Size 12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)

Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE StentView+Plus
- SCORE CT
- SCORE 3D
- SCORE Navi / Navi+Plus
- SMART design concept
- Comprehensive dose management package

Siemens · Artis floor

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
The Artis floor-mounted system enables clinicians to care with greater ease, precision and flexibility for small rooms.
- Small footprint of 29 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

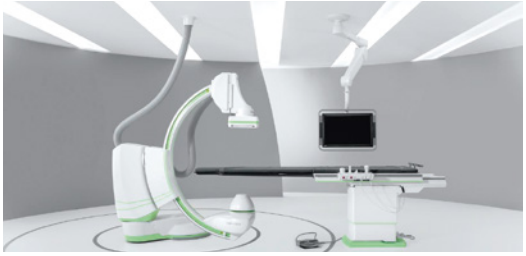
Siemens · Artis ceiling

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
The Artis ceiling-mounted system enables clinicians to care with greater ease, precision and flexibility.
- Positioning flexibility that supports any angle
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

Siemens · Artis one

Power 100 kW
Detector as30, a-Si / CsI, (1,560 x 1,420 pixels), 184 µm



Highlights
Intelligent operation is enhanced by a configurable head up display, allowing you to interact with the system in a completely new, intuitive way.
- Small footprint of 25 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- Full patient coverage imaging up to 2.10 m
- Integrated 3D-Imaging and review with acquisition rate up to 66 f / s

Siemens · Artis zeego

Power 100 kW
Detector a-Si with CsI scintillator, 30 x 40 (1,920 x 2,480 pixels), 154 µm

Highlights
The Artis zeego takes performance and precision to an unprecedented level
- Performance with a new imaging chain with new applications
- Positioning flexibility that supports any angle
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

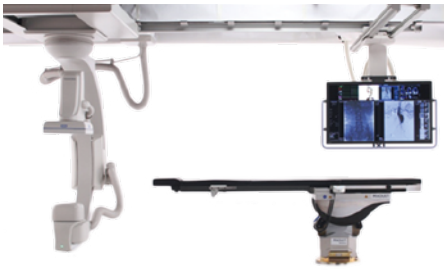
Siemens · Artis zee multipurpose System

Power 100 kW
Detector a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm

Highlights
Artis zee multi-purpose is designed to meet the escalating demands of interventional radiology, fluoroscopy and interventional cardiology. The system left suspension meets the needs of endoscopic applications in gastroenterology
- Ergonomic system controls for smooth table-side operation
- 2k imaging with highly practical and user-friendly handling features
- 3D acquisition rate up to 60 f / s

Toshiba · Infinix Hybrid

Design Hybrid OR system
Detector 30 x 40 cm, 30 x 30 cm, 20 x 20 cm Flat panel detector
DQE 77 %
Power 100 kW



Highlights
The combination of the Infinix VC-i with fully integrated dedicated surgical table, e. g. Maquet Magnus, perfectly meets the requirements of the rapidly growing demand for hybrid procedures. The unique lateral C-arm movement allows patient access from all sides which eliminates the need to move table or patient. The system is available in 3 different detector sizes: 20 x 20 cm, 30 x 30 cm and 30 x 40 cm.

Toshiba · Infinix CC-i

Design Unique lateral C-arm movement
Detector 20 x 20 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Cardio intervention demands speed, precision, and optimum performance. The Infinix CC-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.

Toshiba · Infinix CF-i

Design Left and right side operation without table movement
Detector 20 x 20 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Cardio intervention demands speed, precision, and optimum performance. The Infinix CF-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.

Toshiba · Infinix VC-i

Design Unique lateral C-arm movement
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix VC-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

SINGLE PLANE

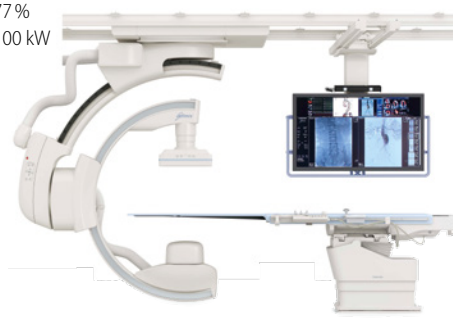
Toshiba · Infinix VF-i

Design Left and right side operation without table movement
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix VF-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

Toshiba · Infinix i Rite Edition

Design Dual sliding C-arm for high speed 3D acquisition
Detector 30 x 40 cm
DQE 77 %
Power 100 kW



Highlights
Nowadays 3D plays a key role in high risk procedures such as aneurysm coiling, AVM / Fistula embolization, endovascular Aortic Aneurysm Repair, etc.
As its new flagship, the INFINIX-i Rite Edition incorporates state-of-the-art technologies allowing whole 3D body coverage at 80° / sec covering a range of 210°, from head to toe without any patient or table movement and free head access.

Wandong · CGO-2100 FPD – Angiographic and Cardiac System

Power 100 kW / 200 kHz
Detector 40 x 30 cm / 20 x 20 cm FPD

Highlights
- 100 kW / 200 kHz generator;
- 0.3 / 1.0mm, 2.0 MHU X-ray tube assembly
- Up-to-date flight joystick control, floor mounted C-arm, large range of movement along with three axes, affiliated with floating movement of cath-table enables all clinic applications
- Cath-Table: floating tabletop, motorized up / down movement
- 40 x 30 cm / 20 x 20 cm FPD, 30 fps image acquisition rate
- InvaRay digital DSA imaging platform, DICOM 3.0 fully support

SURGICAL II-C-ARMS

DMS / APELEM · EVO+ / EVO R+/ EVO R+ 15

Power Up to 15 kW
II format 9" or 12"
Resolution 1,024 x 1,024 pixels

Highlights
- The range EVO, C-arm units include a microprocessor controlled high frequency generator and a fixed anode tube for EVO+ version and a rotating anode tube for EVO-R+
- Both systems have "Digital memory systems" and "Digital subtraction angiography" (DSA) and have been conceived for a large range of applications, including traumatology, endoscopy, intensive care and interventional procedures.

GE Healthcare · OEC Brivo Plus

Power 2.2 kW
II format 9" or 23 cm
Resolution 1 k x 1 k
Field of View 11 cm, 15 cm or 23 cm

Highlights
- 1 k x 1 k high resolution from a fully digital image processing system
- 9" Image Intensifier with high spatial resolution
- Brilliant radiation safety features
- Carbon fiber grid
- Available Pediatric package
- Intuitive user interface with touch screen
- Advanced connectivity including wireless DICOM, MPPS and DVI options
- Data protection including a UPS

GE Healthcare · OEC FluoroStar 7900

Power 2.2 kW
II format 9" or 23 cm
Resolution 1 k x 1 k
Field of View 11 cm, 15 cm and 23 cm

Highlights
- Imaging excellence for confidence in surgery
- Touch screen interface for simplicity and ease of use
- Sleek, high-quality flat panel display
- CD / DVD recording device with PC-based operation
- USB port for plug-and-play image storage
- Available as a Compact configuration with 1 or 2 monitors or with optional monitor cart (Compact2, Compact+ and Series
- Integrated WLAN interface (option)

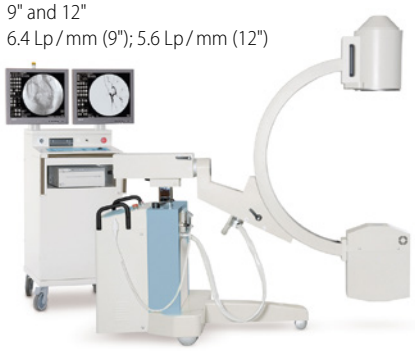
GMM · SYMBOL - Mobile C-arm unit with Image Intensifier

Design Mobile C-arm unit
II format 9" / 12" / 13"

Highlights
- Innovatory mobile C-arm unit for outstanding performances and superior image quality in surgical imaging application.
- Provided with High Frequency generator and ample C-arm allowing wide and extended mouvements.
- Outstanding flexibility and precision in any type of projection are ensured also by 146° orbital mouvement with 56° overscan.
- 9" to 13" triple field Image Intensifier, 1K CCD

INTERMEDICAL · RADIUS DFG

Power 5 kW
II format 9" and 12"
Resolution 6.4 Lp / mm (9"); 5.6 Lp / mm (12")



Highlights
Modular configurations, from the base one to the top one (DSA Full), even after-sale, just with a USB-key-hardware.
- Progressive scan CCD digital camera 1 k x 1 k
- Memory capacity: more than 350,000 images
- 40 kHz X-ray monoblock generator, 120 kV, rotating anode

Memory configurations:
- DFG Base (15 frames / second); DFG Vascular (30 frames / second)
- DICOM 3

INTERMEDICAL · RADIUS XP

Power 20 kW
II format 9" and 13"
Resolution 6.5 Lp / mm (9"); 6 Lp / mm (13")

Highlights
- Large Power reserve of 20 kW
- Excellent 1 k x 1 k image quality
- Outstanding versatility: flexible software configurations suitable for all the examinations
- 12, 25 or 30 frames / sec. image acquisition depending on the chosen software
- E-motion: all C-arm movements can be motorized
- Dual Cooling System: liquid-to-air heat exchanger
- Dual Power System: power reserve system

Philips · BV Pulsera 2

Power 15 kW
II format 31 / 23 / 17 cm

Highlights
- An interventional powerhouse, covering the widest range of applications, including cardiac interventions
- SmartVision – a fully digital imaging chain including powerful image processing functions
- High quality images at a low dose, time after time
- Pulsed acquisition 30 pulses / sec
- Rotating anode power

Philips · BV Endura 2

Power 3.15 kW
II format 31 / 23 / 17 cm

Highlights
- Versatile workhorse designed for routine and vascular interventions
- SmartVision – a fully digital imaging chain including powerful image processing functions
- High quality images at a low dose, time after time
- Extended rotation
- Optimally designed mobile view station providing a unique intelligent viewing concept

SURGICAL II-C-ARMS

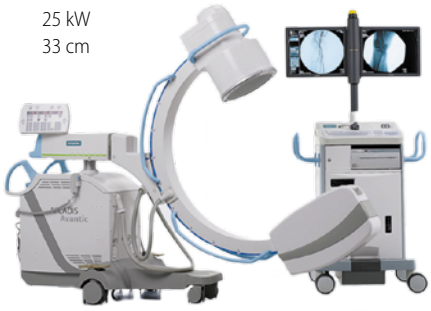
Shimadzu · Opescope Acteno

Resolution CCD-Sensor, 1,024 x 1,024 x 12 bit
II format 23 or 15 cm
Power 2 kW

Highlights
- High quality imaging
- Easy operation through fully balanced C-arm
- Magnetic locks and all-free buttons
- Memory functions support an efficient workflow
- Inside C-arm cabling
- Flexible upgradeability

Siemens · Arcadis Avantic

Power 25 kW
II format 33 cm



Highlights
Cutting-edge mobile imaging with a larger field of view
- Large 33 cm (13") image intensifier
- Powerful 25 kW generator with tube currents of up to 250 mA
- 2.57 MHU (Mega Heat Units) heat capacity
- EASY (Enhanced Acquisition System) with automatic dose, contrast and brightness control
- Electromagnetical brakes, multifunctional footswitch (option) and remote user interface (option) for control from within the sterile field

Siemens · Arcadis Orbic

Power 2.3 kW
II format 23 cm

Highlights
Enhanced precision in the OR
- Counterbalanced, isocentric design C-arm with intelligent color coding for fast and precise positioning
- 190° isocentric orbital rotation
- Tube currents of up to 23 mA
- EASY (Enhanced Acquisition System) with automatic dose, contrast and brightness control

Siemens · Arcadis Orbic 3D

Power 2.3 kW
II format 23 cm

Highlights
Enhanced precision in the OR
- Isocentric design and 190° orbital movement optimizing intraoperative 3D imaging
- Streamlined workflow with fast positioning, scan and reconstruction time
- Intraoperative 3D evaluation and revisions reduce rate of second interventions
- Direct connection to navigation systems via NaviLink 3D (option)

Siemens · Arcadis Varic

Power 2.3 kW
II format 23 cm

Highlights
Streamlined workflow and outstanding image quality in the OR
- EASY (Enhanced Acquisition System) with automatic dose, contrast and brightness control
- Fully digital 1K² imaging chain from acquisition to viewing and archiving
- Counterbalanced C-arm design with optimized free space, immersion depth, and overscan
- 1K² navigation interface NaviLink 2D (option)

Siemens · Siremobil Compact L

Power 1.4 kW
II format 23 cm

Highlights
The compact all-rounder for surgical imaging
- Extended fluoro times of more than 50 mins
- Counterbalanced C-arm with a large orbital rotation of 130°
- Ergonomic and space-saving monitor cart
- Consistent digital 1K² imaging chain

Siemens · Cios Connect

Power 2.3 kW
II format 23 cm

Highlights
Connect everyday surgery with reliability
- Simplify your fleet management – with a multifunctional C-arm
- Optimally balance image quality and dose – with IDEAL
- Increase asset utilization – with preventive maintenance and high system availability

Siemens · Cios Select

Power 2.5 kW
II format 23 cm

Highlights
Select smart surgical imaging
- 99.8 % system availability* – reliability in a smart, lean design
- Smart system operation – with an intuitive user interface
- High image quality – combined with IDEAL dose management
- Average system availability over the entire Siemens C-arm installed base

STEPHANIX · OMNISCOP Series

Design Mobile surgical C-arm
Power Up to 15 kW
II format 9" / 12"

Highlights
- Surgery, traumatology, orthopedics, vascular…
- Wide range of movements, large orbital rotation, small footprint
- High resolution CCD camera coupled with Thales Image Intensifier
- Collimator with motorised and rotating iris, continuously adjustable
- Touch screen user interface
- Post-processing software highlight tiny details
- Advanced functions: APR, DSA, DICOM connectivity

Technix · TCA6 – high configuration

Design 9" / 12" surgical C-arm equipped with 1k x 1k camera
Power Up to 15 kW
II format 23 / 32 cm

Highlights
- Rotating anode
- Water cooling
- 1k x 1k camera
- Image storage: up to 110000
- High configuration cart with 19" monochromatic LCD monitors
- Acquisition up to 25 fps
- Anatomical programs
- DICOM connectivity (LAN or wireless)
- CD / DVD and USB for image exporting
- Remote control
- Laser for patient centering
- Virtual collimators (for dose reduction)
- DSA, roadmap, stenosis analysis

SURGICAL II-C-ARMS

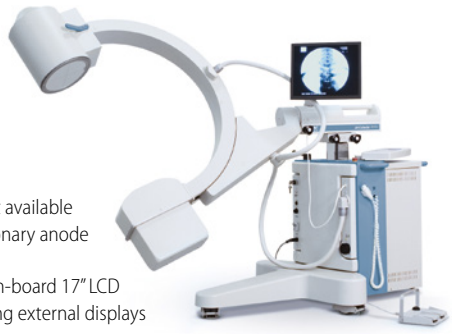
VILLA SISTEMI MEDICALI · Arcovis 3000 S / R

Power 3.5 kW (fixed anode) / up to 15 kW (rotating anode)
II format 9" / 12"
Resolution 48 / 56 / 64 Lp / cm (9" I. I.); 48 / 54 / 62 Lp / cm (12" I. I.)

Highlights
- Application in urology, cardiology, orthopedics and general surgery
- Choice between fixed anode (3000 S) or rotating anode (3000 R) versions
- Choice between either 9" I. I. (with stationary or rotating anode) or 12" I. I. (with rotating anode)
- Choice of 0.5 x 0.5 k or 1 x 1 k camera and several image storage options to satisfy all applications
- Top version with 15 kW power, 9" I. I., 1 k x 1 k camera

VILLA SISTEMI MEDICALI · Arcovis 3000 S Compact

Power 3.5 kW
II format 9"
Resolution 48 / 56 / 64 Lp / cm



Highlights
- Compact C-arm unit available with 9" I. I. and stationary anode tube
- Equipped with an on-board 17" LCD monitor, not requiring external displays on trolley
- Last Image Hold and storage system based on non-volatile technology
- ± 60° rotating control panel for immediate operation even in the most difficult environment

Wandong · XC30

Power 5 kW
II format 9 inch

Highlights
XC series mobile C-arm system can be used mainly for fluoroscopy and radiography in the operation room, emergency ward, orthopedics and surgical treatment. Apply high frequency conversion technology, greatly improve image quality, shorten exposure time, and reduce the harmful radiation to human body. Ergonomics designed, compact structure, Microcomputer-control, easy to operate, maintain and move.

Ziehm · Solo

Resolution 21 cm – 2.0 Lp / mm · 16 cm – 2.5 Lp / mm
11.5 cm – 3.1 Lp / mm
II format 23 cm
Power 2 kW

Highlights
Ziehm Solo is the first choice for small operating rooms. The single unit comprises a compact and versatile C-arm, full-size monitor and intuitive touchscreen user interface. All functions required for an optimal image acquisition, processing and archiving are integrated in the C-arm. Ziehm Solo delivers optimal performance for pain management, orthopedics and lithotripsy.

Ziehm · Vision R

Resolution 21 cm – 2.0 Lp / mm · 16 cm – 2.5 Lp / mm
11.5 cm – 3.1 Lp / mm · 27.5 cm – 1.6 Lp / mm
21 cm – 2.0 Lp / mm · 16 cm – 2.5 Lp / mm
II format 23 cm, 31 cm
Power 7.5 kW

Highlights
Ziehm Vision R is the perfect choice for demanding procedures in neurosurgery, vascular procedures and cardiac applications. The powerful monoblock generator with rotating anode delivers up to 20 kW power, enabling Ziehm Vision R to produce high-quality images with minimal dose exposure. This high-frequency pulse generator operates with a variable pulse width between 4 ms and 50 ms.

SURGICAL FLAT PANEL C-ARM

GMM · SYMBOL - Mobile C-arm system with DFPD

Size 26 x 30 cm
Resolution 184 µm
Detector Amorphous silicon

Highlights
- State-of-the-art flat panel technology for outstanding performances and superior image quality for any imaging activity in operating room.
- General and vascular surgery, neurosurgery, cardiology, gastroenterology, urology.
- Easy patient positioning thanks to the wide C-arm opening.
- Exclusive user interface with LCD touch screen display ensuring complete management of the operating parameters.

Hologic · Fluoroscan InSight-FD Mini C-arm System

Highlights
The Fluoroscan InSight-FD mini C-arm system with flat detector technology offers thin profile and improved workspace access while providing ease of positioning.
- Ergonomic flat detector design with ease of positioning for patient/surgeon access
- Forward tube source design offers greater C-arm depth
- Flat detector technology with 75 micron array and 2 k x 1.5 k resolution

INTERMEDICAL · RADIUS XP WITH FLAT PANEL

Pixel size 1,536 x 1,536 pixels
Detector Digital Flat Panel Detector 30 x 30 cm / 20 x 20 cm
Power 20 kW

Highlights
- Large Power reserve of 20 kW
- Excellent 1,536 x 1,536 pixels image quality
- Outstanding versatility: flexible software configurations suitable for all the examinations
- 12 / 30 frames sec. image acquisition
- E-motion: all C-arm movements can be motorized
- Dual Cooling System: liquid-to-air heat exchanger
- Dual Power System: power reserve system

PRIMAX International · CYBERBLOC FP

Power Up to 15 kW
Detector New Flat Panel Generation
Design Chassis of light aluminum alloy for easy positioning

Highlights
- Large C-arm depth for maximum accessibility
- High sensitivity --> low dose operation
- Smart power management to handle long procedures
- Full touch "smart" user interface
- View station with angle and height adjustments
- Removable grid for paediatric applications
- Image free of any distortion

Siemens · Cios Alpha

Power 12 kW or optional 25 kW
Detector 20 x 20 cm or optional 30 x 30 cm

Highlights
See the power with Full View FD
- Up to 25 % more coverage* even during image rotation – with Full View FD
- See and do more – with a powerful 25 kW mobile C-arm
- Effortless operability – full table-side control and single-touch positioning (option)

** Compared to today's conventional 33 cm image intensifiers*

Siemens · Cios Fusion

Power 2.3 kW
Detector 20 x 20 cm or optional 30 x 30 cm

Highlights
Fuse surgical versatility with Full View FD
- 160 % more to see* – with Full View FD
- Save time – with advanced table-side control (option)
- Drive surgical revenue – with innovative technology

** Compared to today's conventional 33 cm image intensifiers*

SURGICAL FLAT PANEL C-ARM

Ziehm · Vision FD Vario 3D

Resolution 1,024 x 1,024
Detector a-Si; 20 x 20 cm
Power 2 kW
Pixel size 194 µm

Highlights
Ziehm Vision FD Vario 3D integrates multiplanar reconstructions and 3D volume rendering into a space-saving design. Equipped with flat-panel technology, the system delivers more than 16,000 shades of gray. The crystal-clear and distortion-free 3D images provide maximum intraoperative visualization of anatomical structures. The CTlike reconstructions can be combined with navigation systems.

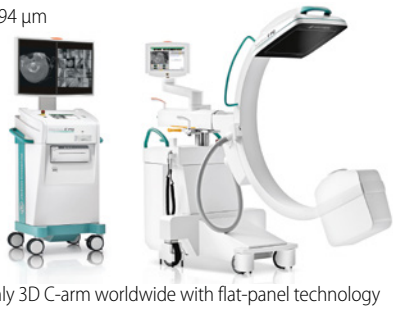
Ziehm · Vision RFD

Resolution 1,536 x 1,536
Detector a-Si; 30 x 30 cm / 20 x 20 cm
Power 20 kW
Pixel size 194 µm

Highlights
Ziehm Vision RFD offers a viewing experience previously only available with larger stationary imaging systems. With its powerful monoblock generator with a rotating anode and the unique liquid cooling system it is specially designed for extended use in operating theaters, making Ziehm Vision RFD ideal for demanding interventions such as AAA procedures.

Ziehm · Vision RFD 3D

Resolution 1,536 x 1,536
Detector a-Si; 30 x 30 cm / 20 x 20 cm
Power 25 kW
Pixel size 194 µm



Highlights
Ziehm Vision RFD 3D is the only 3D C-arm worldwide with flat-panel technology that provides a 16 cm edge length per scan volume. It combines 2D and 3D functionality to offer maximum ease-of-use. Available with a 30 cm x 30 cm flat-panel, the C-arm offers game-changing 3D imaging and is ideally suited for orthopedics, traumatology and spinal surgery, but also for demanding cardio-vascular hybrid applications.

Ziehm · Ziehm Vision RFD Hybrid Edition

Resolution 1,536 x 1,536
Detector a-Si; 30 x 30 cm / 20 x 20 cm
Power 25 kW
Pixel size 194 µm

Highlights
Ziehm Vision RFD Hybrid Edition is the first mobile C-arm offering motorization of all four axes. The movements can be steered with the Position Control Center directly from the sterile field. The newly developed 25 kW generator is one of the most powerful in the market of mobile imaging and delivers crystal-clear images. Outstanding imaging performance is crucial in hybrid room applications.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Alliance Medical · Flexible diagnostic imaging services

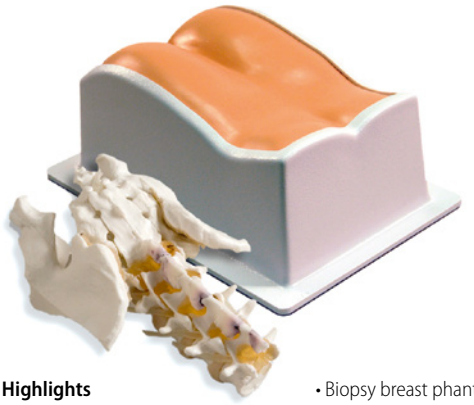
Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET / CT, Cath Lab
- Interim services for bridging downtimes
- Regular "routing" services

Esaote · Echolaser

Design Premium Multi-disciplinary ultrasound system & Laser unit
Power Solid state Laser at 1,064 nm, 4 sources 7 W Max each

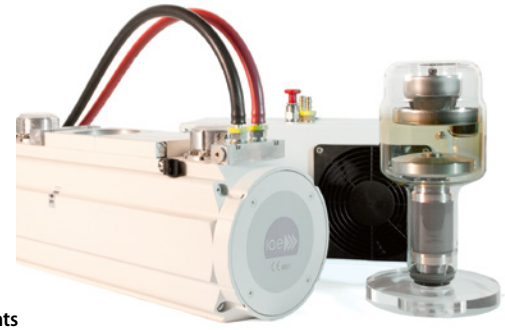
Highlights
- EchoLaser is a complete interventional ultrasound-laser All-in-One system for minimally invasive thermal ablation procedures; it comes with disposable optical fibre kits designed for the various organs together with specific guiding systems.
- The main applications currently involve the reduction of benign thyroid nodules and the destruction of primary and secondary malignant liver lesions.

GCTechnology · CIRS Phantoms



Highlights
- Multi modality abdominal biopsy phantom (for CT, US, MRI)
- Multi modality lumbar training phantom
- Biopsy breast phantom
- Thyroid training phantom
- Prostate training phantoms family
- Kidney training Phantom
- Vascular Access Training Phantom

I.A.E. · C30-RTM 70



Highlights
- Rotating anode X-Ray tube unit designed for mobile c-arm equipment
- Lead lined single piece aluminum body, internal pump for oil circulation, to improve thermal exchange
- Choice of HT cable socket: Parker or Claymount mini
- Optional remote water-air heat exchanger increases heat dissipation to 500 W continuous for demanding interventional applications
- Water cooling can be mounted or upgraded on field

Toshiba Electron Tubes & Devices · CCD camera VP-34509

Pixels 1,024 x 1,024
Flame rate 30 fps
Dynamic range 60 dB

Highlights
- Superior image quality
- Optimal for digital fluoroscopy
- Can be used in combination with TOSHIBA image intensifiers
- Simple capture system
- Gigabit Ethernet interface
- Environmentally friendly
- Compliant with the RoHS directive
- Free from hazardous substances such as hexavalent chromium and cadmium

Toshiba Electron Tubes & Devices · X-ray Image Intensifier

Detector Xray Image Intensifier
Size Field size 9 inch, 9 / 6 / 4.5 inch
Size Output image size Ø 20mm , Ø 25mm
Design For C-Arm

Highlights
- Suitable for mobile C-arms
- Smart design with smooth surfaces
- Excellent performance and high reliability
- Advanced simulation technologies used in development and production
- Our unique technologies provide a high Gx value, reducing radiation exposure to the patient.
- Environmentally friendly
- Compliant with the RoHS directive
- Free from hazardous substances such as hexavalent chromium and cadmium

Toshiba Electron Tubes & Devices · Angio Tube assembly

Power 2.1-MHU to 3-MHU (Anode Heat Capacity)
Power 80 kW – 102 kW

Highlights
- For angiography systems (2.1-MHU to 3-MHU)
- Uses a liquid metal bearing
- Our unique liquid metal bearing technology provides a long tube life, quiet operation, continuous high-speed rotation, high stability, and excellent reliability.

IT Systems

AGFA HealthCare

Canon

CHILI® Digital Radiology

RIS / PACS

Advanced Visualization

Portal Solution

CAD

Mammo Workstation

Mobile RIS / PACS Viewer

Accessories / Complementary Systems

EDL

ebit an Esaote Group Company

HOLOGIC®

GE Healthcare

i-SOLUTIONS HEALTH

IMAGE Information Systems

medigration The Digital Company ein Unternehmen der bender gruppe

itz-medi.com PACS & Telemedizin

mediCAD

PHILIPS

PROTEC TEAM | SPIRIT | ABILITY

SIEMENS

ITH icoserve technology for healthcare a siemens company

ViTAL A Toshiba Medical Systems Group Company

RIS / PACS

Agfa · Enterprise Imaging Radiology Suite

Highlights

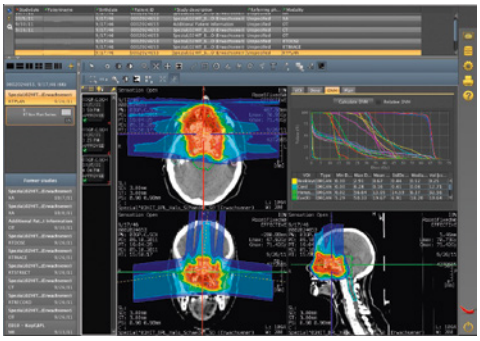
Agfa HealthCare Enterprise Imaging for Radiology is a unified imaging management platform that provides PACS, reporting, advanced image processing capabilities and integration of clinical information. The solution offers diagnostic tools and powerful task-based workflow, designed to achieve gains in clinical productivity.

Agfa · Enterprise Imaging

Highlights

By seamlessly creating a comprehensive medical imaging record, and providing you with the tools to collaborate, exchange, view and manage it, Agfa HealthCare Enterprise Imaging supports you to build a system that will bring you clinical value all along the care continuum.

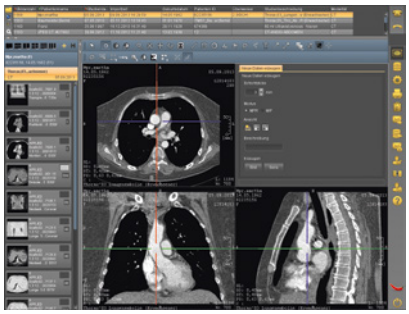
CHILI · Diagnost



Highlights

- Independent of modality
- CT, MR, CR, DR, PET, PET-CT, US, AX, …
- Mammography
- Radio therapy
- Powerful hanging protocols
- Independent of OS
- Integrated teleradiology
- Extensible by other applications
- HIS / RIS integration
- Consultation functionalities
- Teleconferencing

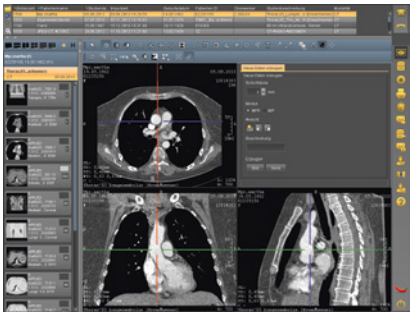
CHILI · Import PACS



Highlights

- PACS for foreign data from CD / teleradiology
- Temporary archive in addition to regular PACS
- Manual web-based import
- Automatic import with import robotic
- Web-based viewer
- Data reconciliation with own IDs
- Delivery to regular PACS
- Adjustable automatic data removal
- DICOM Q / R capable
- Works with any other PACS

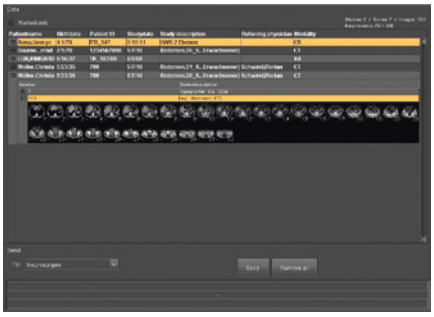
CHILI · PACS



Highlights

- Multimedia PACS
- One viewer for all areas
- Scalable (practice to enterprise)
- Multitenancy
- Fail over and load balancing
- Archiving in existing systems
- Interfaces and synchronisation with HIS / RIS
- Web-based image distribution
- Referring physician access
- Teleconferencing
- Consultation
- Portal functionality

CHILI · Teleradiology Gateway

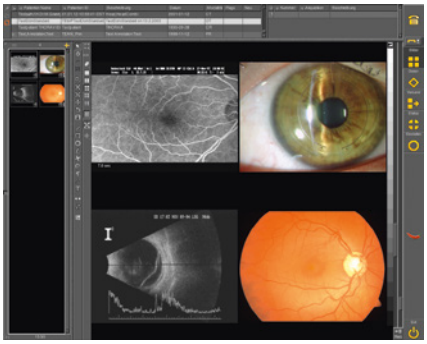


Highlights

- Vendor-independent protocols
- DICOM, DICOM-E-Mail, https,
- Rule-based autorouting
- Automatic recovery after interruption
- Comprehensive security measures
- Lossy and lossless compression
- Data encryption
- Audit trails
- Diagnostic web-viewer
- Web-based administration
- Compliant to German RöV and DIN 6868-159
- Works with any PACS

RIS / PACS

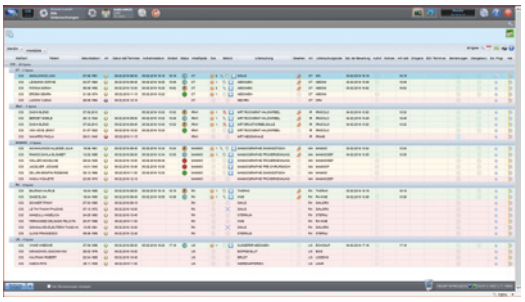
CHILI · Web



Highlights

- Multi-media (DICOM, jpeg, avi, PDF, …)
- Very well suited for teleradiology
- Referring physician access
- Java technology
- User concept with roles and rights
- Central user administration (LDAP, AD)
- Security measures
- Data compression (lossy & lossless)
- Suited for reporting (MPG class IIb)
- Works with any PACS

EDL · Xplore RIS / PACS



Highlights

Xplore from EDL is a modular RIS solution with a highly adaptability to the needs of all end users:

- Conform to IHE standards and compatible with all DICOM PACS
- Web-based solution, Citrix XenApp and Microsoft RSD compatible
- Ergonomic architecture for an optimized Workflow
- All-in one solution for radiologic clinic: scheduling, patient management, billing, stock management, reporting and speech recognition

EBIT · SUITESTENSA Mobile PACS

Highlights

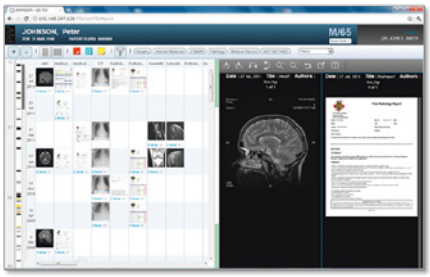
- The newest frontier of mobile PACS connection anytime-anywhere
- Works on modern web browsers, IOS & Android mobile devices, Laptop-Desktop PC
- Supported OS: Windows, Mac OS
- Unparallel security
- Same image simultaneous manag-ment from different access points
- Predefined workspaces and data display as previously assigned to the image modality
- Interactive 2D, 3D & MIP / MPR, 3D Vol Rendering
- Digital slow motion

EBIT · SUITESTENSA RIS PACS

Highlights

SUITESTENSA is the RIS PACS imaging & information management SW platform bridging RIS PACS and applications. Using web-enabled technology, it exploits DICOM 3.0, HL7 and FDA-XML comm protocols. It implements Structured Report, 3D & 4D for CT / MR / PET and mobile PACS tech-gy. Dedicated to Radio, Nuclear Med, Radiotherapy, Breast Med, Interventional, Ortho, OR, with admin, reporting and post-processing.

GE Healthcare · Centricity Clinical Archive



Highlights

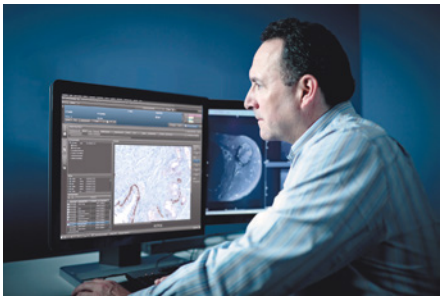
- A highly scalable repository
- Intelligent image lifecycle manage-ment capabilities
- Flexible tools to help consolidate and manage a variety of application data across multiple departments, specialties, hospitals and regions
- IHE-XDS support
- Intuitive, zero foot-print, non-diag-nostic clinician viewer
- Interfaces with electronic medical records to provide a single point of access viewing patient's images and associated clinical doc

GE Healthcare · Centricity PACS / Centricity PACS IW

Highlights

- Intelligent productivity tools, including smart hanging protocols
- Advanced Visualization applications, including oncology; powered by AW
- Breast Imaging Workflow, including screening and diagnostic capabilities
- A common, streamlined, ergonomic user interface
- Access anywhere the Internet is available – web based, zero footprint and web client access

GE Healthcare · Centricity RIS-i 5.0 with eRadCockpit



Highlights

eRadCockpit reporting tool, RIS-i helps you to maximize efficiency by optimizing your workflow, connecting experts, balancing workloads and leveraging your existing infrastructure.

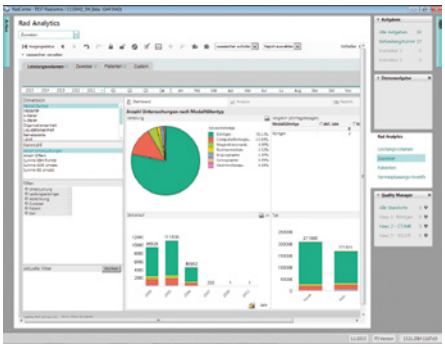
- eRadCockpit
- e-Order review
- MDT module connecting clinicians outside of radiology with Radiologists running the MDTs
- Embedded XDS consumer
- "Lights On, Lights Off" user view to improve reading comfort in multiple light settings

IMAGE Information Systems · iQ-SYSTEM PACS

Highlights

iQ-SYSTEM PACS is an easily configurable, highly scalable picture archiving and communication system. It is installed in more than 5,000 facilities ranging from small, individual, imaging centers to large multi-modality, multi-site hospital installations across 107 countries. It is full-featured, state-of-the-art, robust and reliable, and available in most major world languages.

i-SOLUTIONS Health · RadCentre Analytics

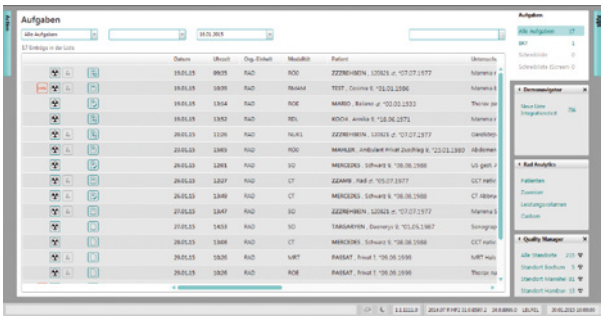


Highlights

RadCentre Analytics offers an integrated solution for specific data analysis and interactive reporting to increase performance in radiology.

- Predefined and high performant processing of operating figures
- Unlimited analysis options for optimisation of business outcomes
- Integrated data warehouse solution

i-SOLUTIONS Health · RadCentre Cockpit & Speech Integration



Highlights

RadCentre is a comprehensive process and data management solution for radiology, nuclear medicine and radiotherapy. Based on latest technologies it offers high usability with an innovative user interface (Cockpit) and most efficient reporting with integrated speech recognition.

- Latest technology, highest usability
- Fast and efficient creation of reports for treatment without delay

ITZ Medicom · ITZ Hyper.PACS with archiving-system Hyper.ARC

Highlights

- One frontend and one database for all data
- Easy to support
- ITZ-Parallel-Archiving-Concept; no archiving of errors like with backup-principle
- Fast shortterm – and fireproof longterm – archive
- Compliance to RöV and MDD Class IIb
- Fast, stable, save

RIS / PACS

medigration · RIS / PACS

Highlights

Our RIS / PACS solutions are designed for multisite and manufacturer-independent networks. The WinRadiolog RIS product portfolio implies the whole patient management for your medical institution. Our PACS product portfolio comprises a proven DICOM archive, an intuitive operating reporting 3D ImageVision workstation, teleimaging and mobile solutions, patient CD system and DICOM PaperPrint Server.

PROTEC · CONAXX 2

Highlights

User-friendly and intuitively operable software for the acquisition of X-ray images and operation of DR-modalities and X-ray generators.

- Three clicks only to get your X-ray image
- Automatic image optimisation
- Image diagnose directly in CONAXX two possible (optional/single workstation solution)
- Compatible with any DICOM PACS
- Extraordinary workflow efficiency

PROTEC · PROPAXX

Highlights

- Administrative and assisting functions, e. g. the integrated interface for reporting the clinical findings or synchronic viewing images
- Detailed 10-bit display of the X-ray images
- Configurable menu with guide access
- Individual system size: single or multiple workstations
- Individual system size as multi-user / multi-client PACS solution
- Integrated backup function

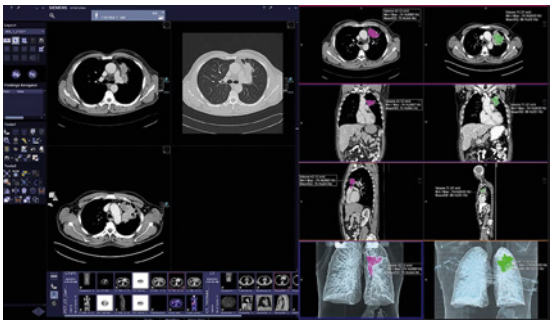
Siemens · *syngo* Dynamics

Highlights

syngo Dynamics enables efficient and consistent documentation of cardiovascular procedures to support clinical and financial results across the enterprise. Improve your clinical and operational efficiency through:

- **Smart Reporting** – high quality structured reports made smarter with decision support.
- **Intuitive Interoperability** – brings enterprise, EMR integration and enables external reporting.

Siemens · *syngo*.plaza



Highlights

syngo.plaza is the smart PACS workhorse for reading and reporting a large variety all cases - from routine to complex.

- It offers robust performance, intuitive operation, and intelligent reading tools.
- It boosts routine reading by bringing 3D technology into PACS.
- It is a highly scalable PACS solution and its powerful storage capacities enable vendor-neutral archiving even enterprise-wide.

Complex data made simple – the RIS by EDL

In radiology, easy access to images and reports triggered exponential growth of data volumes. It is one of the core tasks of any radiology information systems (RIS) to filter these data and generate diagnostically relevant information.

Today, radiologists are overwhelmed by the sheer volume of data. Thus, solutions are needed that identify and call up only those that concern the diagnosis at hand. This is where Xplore, the RIS by French manufacturer EDL comes in: it not only provides quick access to all data that are generated and processed in a radiology department or a radiology office but it also presents only those data that are relevant for the user at this very moment.

Optimized workflows relieve the administrative burden of physicians and other healthcare professionals to create time for patient-oriented tasks which in turn increases efficiency. Radiologists, radiology technicians and office staff such as secretaries and the typing pool can concentrate on their core competencies and will be able to work more productively in an optimized workflow.

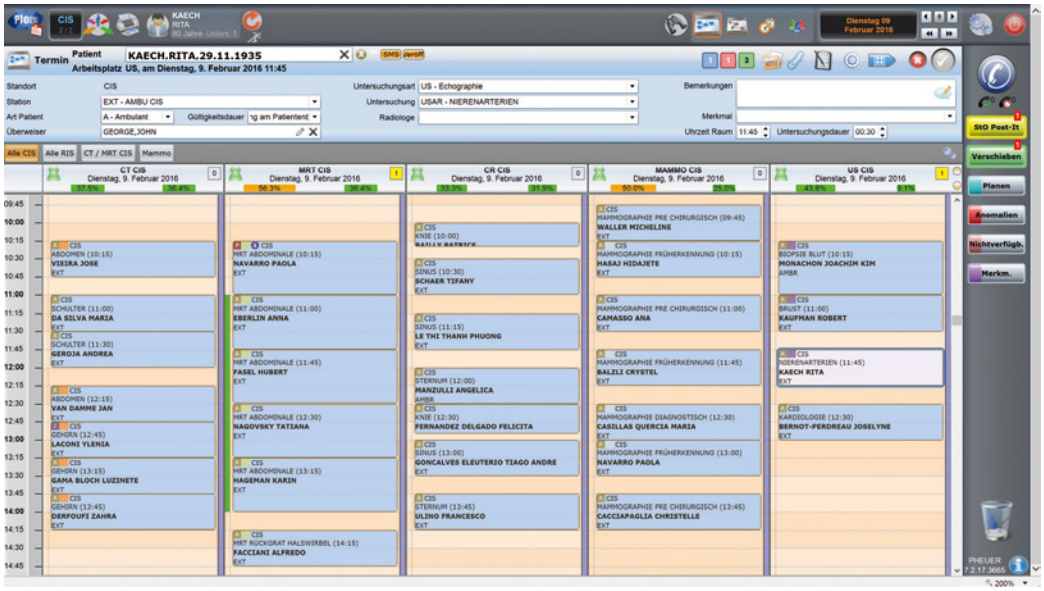
The heart of any RIS is a well-designed user interface that is intuitive and easy to understand. EDL Xplore uses a web-based architecture and state-of-the-art technology which ensure that the system is platform-neutral and compatible with any kind of hardware, from the desktop PC down to the mobile phone.

Due to compatibility with Citrix XenApp and Microsoft RDS Xplore is optimized for different Thin Client solutions. Modular software allows user-defined and individual adaptation. Thus EDL Xplore covers a wide range of potential users, be it the single radiology office or the large hospital group. Size doesn't matter!

Particularly in Germany, the continuing transformation of the hospital landscape, where radiology offices increasingly merge into larger units, solutions are required that allow cross-facility data exchange and the presentation of locally filtered data. Xplore's quick response times do away with long waits. Today, a RIS moreover needs to provide cross-site scheduling functionality to improve modality usage particularly when referrals are made to sites where selected diagnostic systems are available that are not present at each site.

A modern RIS is not just a matter of technology and software. The system provider plays a crucial role in the system's success. The French manufacturer EDL is renowned not only for high-performance RIS but also for excellent support and customer orientation when new developments or client-specific adjustments are required that turn data into valuable information.

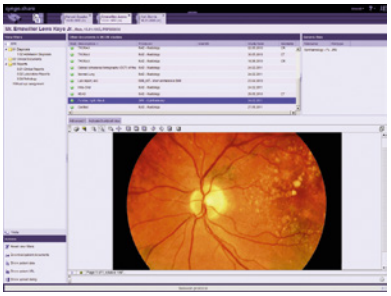
For further information and live demos please visit us at
ECR 2016 · VIENNA, AUSTRIA · 2-6 MARCH · BOOTH NO 565 (LOWER LEVEL)
or have a look at *www.explore.eu*



The Xplore agenda provides a clear overview of all stations in one day. All patient details are called up with one click, including credentials, allergies, repetitive exams, invoicing & payments and even dose metrics history. Types of examinations can be grouped and the presence of radiologists is recorded.

RIS / PACS

ITH icoserve technology for healthcare GmbH · *syngo*.share

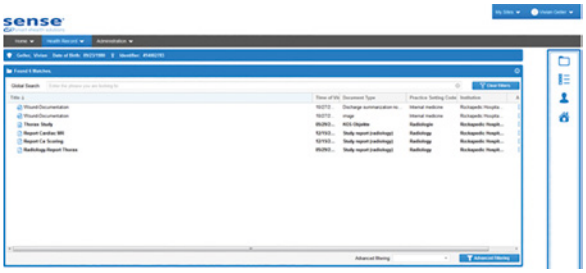


Highlights

syngo.share is the universal VNA from ITH icoserve technology for healthcare GmbH distributed by Siemens supporting departmental, enterprise-wide or regional patient centered archiving solutions.

- Vendor neutral data management and universal web viewer.
- Dynamic data allocation for efficient usage of storage.
- Multi-site data exchange (IHE XDS / XDS-I).
- Supporting tumor boards, research, case collection, thin-slices handling, etc.

ITH icoserve technology for healthcare GmbH · sense



Highlights

sense is an eHealth solution from ITH icoserve technology for healthcare GmbH distributed by Siemens to network health institutions, different facilities and patient-related information.

- IHE-compliant infrastructure for exchanging medical information in cross-institutional, regional, and national eHealth structures.
- Connects physicians, patients and referrers.
- Standardize quality and synchronize care.
- Comply to major interoperability standards.

Vital · VioSuite

Highlights

VioSuite solutions offer tailored approaches to data management, with VioArchive VNA (vendor neutral archive) providing image consolidation and VioStream technology delivering federated access to images. A combination of products, including Vital's imaging enterprise solutions, enable customized deployment options.

Vital · Vitality Solutions

Highlights

Imaging service providers frequently struggle for access to meaningful data about their practices. Data is often stored in RIS/PACS or resides in disconnected databases, requiring IT resources to create and generate reports.
Vitality Solutions are imaging-centric management support tools to continuously improve efficiency and quality across the practice.

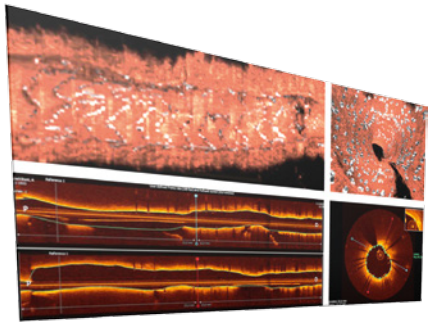
ADVANCED VISUALIZATION

EBIT · 3mensio CT – Structural Heart & Endovascular

Highlights

- Less invasive and more precise procedures with pre-op analysis
- 3mensio Structural Heart will let you plan aortic and mitral valve procedures and left atrial appendage closures
- The three software packages – LAA (Left Atrial Appendage) & TAVR (Transcatheter Aortic Valve Replacement), Aortic Root & TAVI (Transcatheter Aortic Valve Implantation), Mitral Valve & TMVI (Transcatheter Mitral Valve Implantation) – work with all major medical imaging formats of US / echo, XA and CTA and can access multiple data stores on the network, CD, DVD, USB or the internet

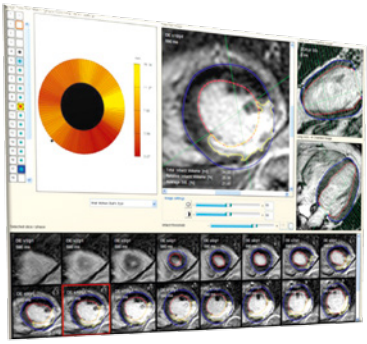
EBIT · CAAS IVUS OCT – Intravascular Software



Highlights

- Pre-operative coronary assessment and post PCI follow-up with CAAS IntraVascular
- Analyze your IVUS and OCT data immediately after the pullback has finished or easily access the data at another convenient time. CAAS IntraVascular facilitates fast data transfer from your PACS or IVUS / OCT console. A dedicated workflow assistant guides you through the analysis. The software automatically fills the report with the available results and screenshots.

EBIT · CAAS MR – Magnetic Resonance Quantitative Analysis



Highlights
CAAS MR, Magnetic Resonance Quantitative Analysis for the newest intervention methods:

- Left and Right Ventricular Function Infarct Analysis and First Pass Perfusion Arterial Flow Quantification
- CAAS MRV enables cardiologists and radiologists to quickly quantify the performance of the heartCAAS MR Flow enables the user to perform analysis on Phase-Contrast MR images to quantify pulmonary and aortic blood flow and velocity.

EBIT · Suitestensa CVIS PACS

Highlights
SUITESTENSA is the CVIS PACS imaging & information management software platform

- By encompassing all cardiology specialties into one single platform, it allows for achieving a better workflow from patient admission to exam execution, reporting, admin and distribution
- SUITESTENSA cardiology folder contains all exams performed (cath-lab, echo, ECG, EP) linkable to other diagnostic examinations

EBIT · SUITESTENSA RT – Radiotherapy Information System

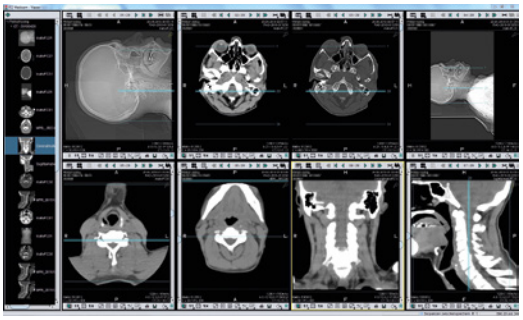
Highlights

- SUITESTENSA RT integrates data and images from all modalities and imaging departments and covers the needs of physicians and radiotherapists during the chemiotherapic and radiation treatment planning
- It includes the Electronic Patient Record folder, the Review module for advanced image visualization and reporting, and the PACS system for long-term archive and distribution of images related to the oncological patient
- Admission & treatment planning, outpatient visits, financial flows and accounting
- Radiotherapy PACS gathering all related images, and talking with all equipments: centering, treatment planning, simulator etc.

EBIT · CAAS XA – Quantitative X-Ray Angiography Software

Highlights
The CAAS platform (QCA, QVA, DSA, LVA, RVA, A-Valve, QRA Analysis) offers software packages for Quantitative X-ray Angiography Image Analysis allowing the performing of accurate and reproducible measurements of the dimensions of coronary arteries, peripheral blood vessels as well as left and right ventricles. It is the widest range of post-processing images solutions for cardiologists and radiologists, for optimized assistance during the intervention and in research settings.

ITZ Medicom · ITZ Hyper.PACS – Reporting & Advanced Visualization



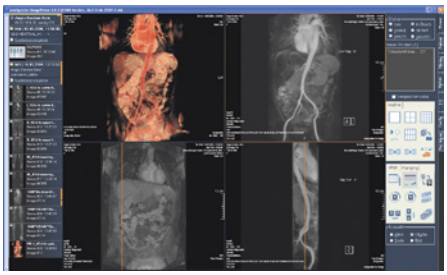
Highlights

- Solution for all purposes with special hanging protocols
- Free selection of postprocessing software for Radiology and Cardiology
- One surface for viewing, diagnosis and telemedicine
- Viewing-history, session-parking, MRT-space-time-presentation
- Real-time viewing. LVA, QCA and 3D-high-end-postprocessing
- Unlimited lists for demo, science and presentations

ADVANCED VISUALIZATION

medigration · ImageVision

- ☒ Mammo MR Screening
- ☐ Calcium scoring
- ☐ CFA
- ☒ Curonaries / heart
- ☒ Lung
- ☐ EP planning
- ☒ Functional Imaging
- ☒ Stroke
- ☐ Vessel measurement
- ☐ Virtual colonoscopy



Highlights

- Easy to use, high performance examination and analysis system for radiological routines
- Access to all images (including previous images) within seconds
- Unique and hierarchical data compression without any loss
- Individually configurable hanging protocols
- Independent individual scaling of your interfaces

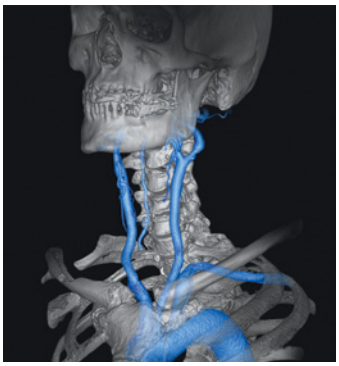
Siemens · *syngo*.via

Highlights

syngo.via is Siemens' software solution for 3D reading and advanced visualization.

- *syngo*.via provides a comprehensive suite of 3D reading applications for key clinical fields and imaging technologies.
- Built on client-server architecture, you can access and process multimodality images in clinical networks.
- It identifies human anatomy for reliable results and enables you to deliver them in one single report.

Vital · Vitrea



Highlights

Vitrea sets the industry standard in next generation, advanced visualization software. Our software enables the visualization and analysis of 2D, 3D and 4D images of anatomy and physiological functions using CT, MR, PET, and XA scan data.

Available deployment options are:

- VitreaWorkstation – workstation
- VitreaExtend – multi user access
- VitreaAdvanced – client / server advanced visualization

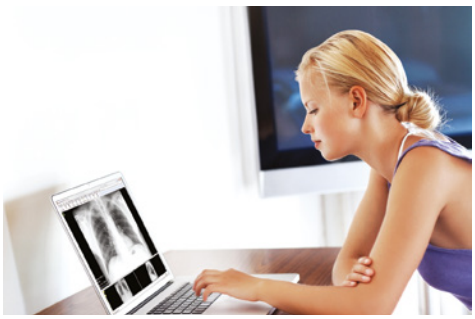
PORTAL SOLUTION

Agfa · Patient and Provider Portal

Highlights

Integrated care is becoming a reality, and hospitals need solutions that give them a full overview of the patient, while sharing and collaborating with all stakeholders in the patient care continuum. With the Agfa HealthCare Portal, hospitals can offer care providers, referring physicians and patients "anywhere, anytime" access to the patient's health information from different sources.

Canon · DelftDI Zillion Healthcare IT Suite

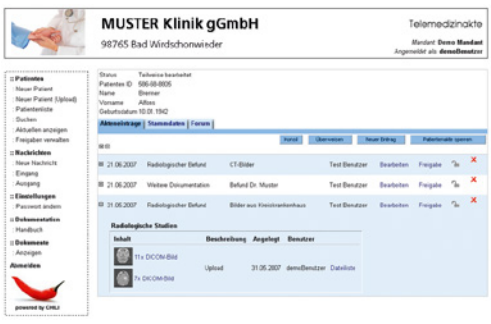


Highlights

A fully integrated Suite of RIS, PACS, Speech, XDS, Quality Management (IQS) and Business Intelligence (Insights)

- High performance with high reliability
- Ease of use for Clinical and Clerical professionals
- Strict adherence to open standards, interoperability and vendor neutrality
- Fully web-based and zero footprint
- Over 20 years of experience in realizing excellent performance and reliability

CHILI · Telemedicine Record



Highlights

Web-based platform for the exchange of multimedia documents, e. g. diagnoses, lab results, DICOM-compliant images

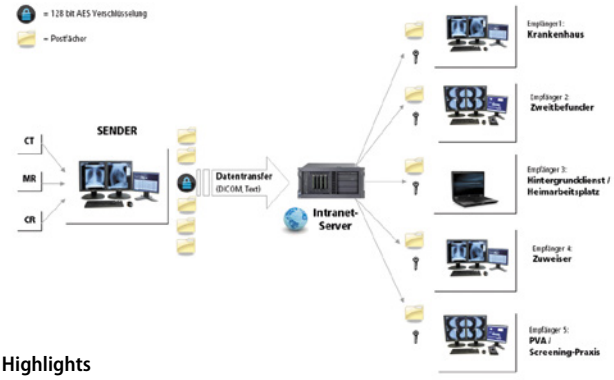
- Capture, display and administration of patient data
- Upload and download of DICOM and other images
- Forwarding to referring doctors
- Inter-sector exchange of multimedia patient data
- Multicentre studies with DICOM images

medigration · PraxisPortal

Highlights

- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- No elaborate VPN neccessary
- Fast display of images and findings as PDF or SR
- For PC / MAC: Intuitive, web-based tool, to be launched without any installation via any standard browser

medigration · webConnect

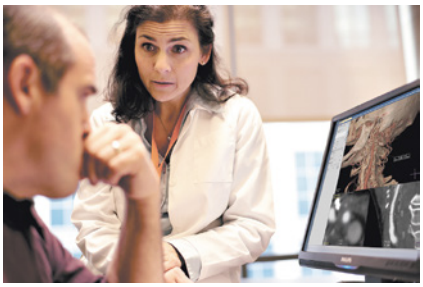


Highlights

- Uncomplicated exchange of image data via the internet
- Highly cost effective since only the actual transferred data is calculated
- No VPN connection necessary
- Images and results can be called up within seconds due to intelligent data compression
- Total security by means of 256 bit AES encryption

PORTAL SOLUTION

Philips · IntelliSpace Portal



Highlights

Philips IntelliSpace Portal turns virtually any networked PC into an advanced multimodality imaging systems workspace.

- Rich clinical applications: unlock the full potential of your CT, MR and Advanced Molecular Imaging systems in order to quickly quantify and diagnose
- Multimodality access anywhere: advanced clinical applications, new workflow and collaboration tools available anywhere
- Collaborative workflow: ability to access, create and communicate actionable information anywhere

Siemens · teamplay

Highlights

teamplay the cloud-based network helps you to securely connect, compare, and collaborate.

- It provides you with transparent key metrics for your fleet and gives you fast, easy, and secures access.
- teamplay's focus on key metrics helps you to easily identify best-practice scenarios to standardize both operations and high quality of care.

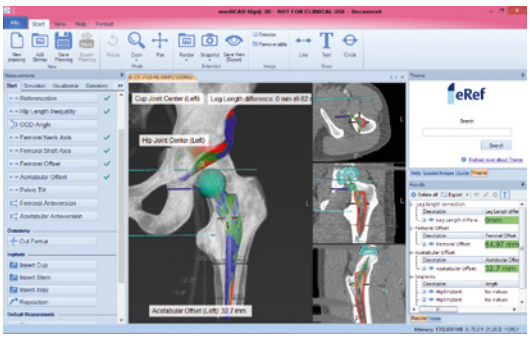
Vital · VitreaView

Highlights

VitreaView universal viewer is a diagnostic quality, zero footprint viewer, which provides fast and secure Web-based access to patient information from multiple systems and archives. It helps to integrate images effectively into the primary clinical workflow and improve care coordination by providing a single point of access to DICOM images and multi-media files on a browser, tablet or smartphone.

CAD

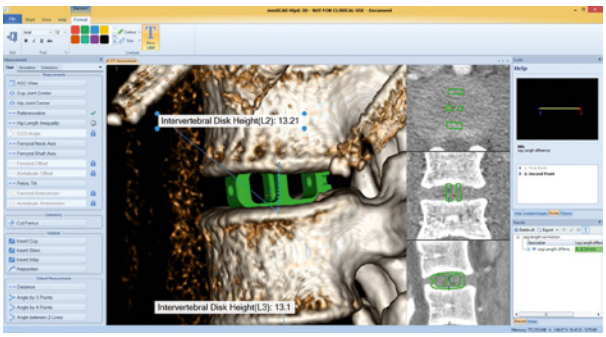
mediCad Hectec · mediCAD 3D HIP – NEW Version



Highlights

- Fully support of CT, X-ray and MRT
- NEW 3D preoperative planning
- NEW 3D simulation of Range of Motion
- NEW distance visualisation of Bone and implant
- NEW 3D Deformity correction and simulation
- NEW Thieme eRef integration
- A-C-S view
- Automatic measurements

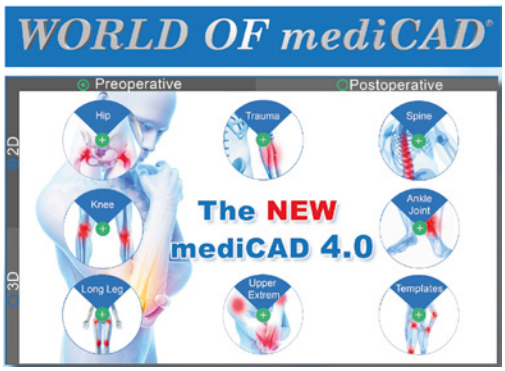
mediCad Hectec · mediCAD 3D SPINE



Highlights

This new module opens up a whole new world for planning doctors. Now you can use CT or MRT images to plan in three dimensions. With fully automated recognition of all present vertebrae and segments, mediCAD 3D provides you with active support while performing a wide variety of measurements. Also available our 3D hip and 3D trauma planning solution.

mediCad Hectec · mediCAD classic 4.0 – NEW Version



Highlights

NEW World of mediCAD offers:

- NEW optimized preoperative planning
- NEW postoperative control
- NEW Thieme eRef Integration
- NEW mediCAD 3D modules 3D HIP, 3D SPINE, 3D ANKLE JOINT
- NEW Ready for individual prosthetics
- 85 % faster than conventional planning
- More than 500.000 templates included

mediCad Hectec · mediCAD QueryClient – NEW Version

Highlights

mediQR and Query Client PACS connectivity for mediCAD mediCAD works with the DICOM standard. For special adaptations to other digital systems, please contact us. With a range of partners we have already implemented a successful connection.

MAMMO WORKSTATION

medigration · MammoView CAD-Option

- ☐ Brain
- ☐ Lung
- ☒ Mammo
- ☐ Cardio
- ☐ Liver
- ☐ Abdomen
- ☐ CT
- ☐ MRI
- ☐ CR / DR
- ☐ PET / CT

Highlights

- CAD microcalcifications detection and diagnosis support
- CAD calculation in the background without separate hardware
- Intuitive user interface for identification training
- Detected calcifications can be scaled up and viewed individually in sequence without additional expense

EBIT · Suitestensa MG – Mammography Software System

Highlights

- MG and PACS system for Breast Cancer Screening Programs in integrated HIS, RIS PACS environment
- DICOM IHE interoperability/integration protocols with CR, DR, MG, US, MR, XA, Multislice CT, Elastosonography, Tomosynthesis
- Double-blind reading protocols, automatic arbitration, structured reporting performed directly on the images
- Image processing & CAD to automatically detect spots of calcifications within dense breast tissue
- Multi-user, -department, -modality, -vendor

Hologic · SecurView Diagnostic Workstations

Highlights

- Flexible, intuitive image review capabilities that are tailor made to the radiologist's specifications
- Interactively and intelligently through information-sharing – fast access to patient images
- Multimodality options allow all DICOM breast images from other imaging modalities such as ultrasound and MRI, improving workflow and efficiency
- Integrated CAD and breast density (Quantra) displays

IMAGE Information Systems · iQ-VIEW PRO MAMMO TOMO

Highlights

iQ-VIEW PRO MAMMO TOMO is a unique mammography reading solution that incorporates the complete diagnostic imaging and staging process. There is no need to switch between workstations to perform mammography, ultrasound, CT, MRI and tomosynthesis readings anymore. It includes vendor-independent hanging protocol sequences, automatic nipple height alignment, and support of high-resolution displays.

MAMMO WORKSTATION

medigration · MammoView

☒ Default display protocol
☒ Hi-Res displays or mixed setups
☐ Digital dictation integration
☒ Dedicated keypad
☒ WebClient

Highlights

- Extremely easy to use and manage
- Direct findings in the image
- CAD support (optional) and a second view area to examine US and MRT images
- Hanging protocols can be configured individually to automate your routine workflow
- Outstanding image quality (2,048 greyscale)

Philips · IntelliSpace Breast & IntelliSpace Clinical Applications

Highlights

- Seamlessly interfaces advanced viewing and processing capabilities for mammography, ultrasound and MRI on a single workspace
- Improve quality of care – report consistently in compliance to standards thanks to integrated BI-RADS reporting
- Ability to review tomosynthesis mammography data (DICOM standard) and manually scrolling through the data sets or viewing in cine loop mode
- Interoperability with advanced clinical quantitative tools for ultrasound

Siemens · *syngo*.Breast Care

Highlights

syngo.Breast Care is the advanced solution for state-of-the-art mammography and tomosynthesis reading.

- Choose the most suitable solution from a stand-alone workstation to a multiple-user server.
- Customize your automated reading workflow to your personal preferences
- Easily include multimodality and 3D ultrasound reading, breast density and CAD information.

MOBILE RIS/PACS VIEWER

Agfa · Enterprise Imaging Universal View

Highlights

Patient-centric image access from across all specialties in the enterprise, with enhanced viewing, collaboration and sharing, on a single web viewer. XERO Viewer provides secure access to imaging data from different departments and multiple sources, in one view, to anyone who needs it. With the mobile device support, you can truly work on the go, capturing and uploading images wherever you are.

CHILI · Mobile

Highlights

- Mobile image viewer
- Teleradiology
- PACS administration
- Easy integration into HIS / RIS / PACS
- Can be integrated into any EPR
- Works without internet shop
- Independent of operating system (iOS, Android, …)
- Device independent (Apple, Google, …)
- No app – but HTML5!
- Works with any PACS

GE Healthcare · Centricity Radiology Mobile Access

Highlights

Centricity Radiology Mobile Access provides enhanced efficiency for clinicians throughout – and beyond – your facility with the AccessNOW application for qualified Apple iOS and Android mobile devices. Access to images and reports from Centricity PACS and Centricity Clinical Archive, 2D, 3D and MIP / MPR.

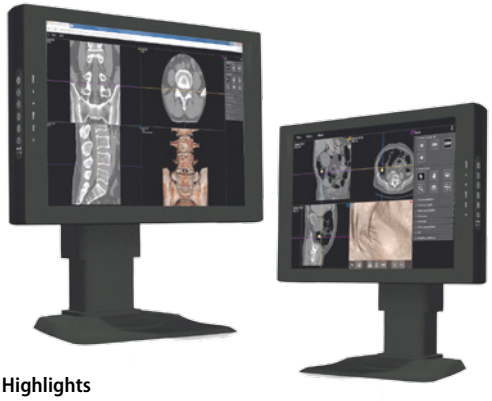
IMAGE Information Systems · iQ-WEB2GO

Highlights

iQ-WEB2GO is a portable viewer of radiology images on iOS, Symbian or Android based mobile, handheld devices including iPhone, iPad, Samsung Galaxy SII or Samsung Galaxy Tab.

- Instant access to any radiology image without running an installer
- Excellent clinical reference solution for referring physicians
- Useful for remote and subspecialty consultation
- Image display in full-screen mode

IMAGE Information Systems · iQ-3DVIEW



Highlights

iQ-3DVIEW is a zero-footprint viewer for web-based 3D visualization from anywhere. It runs on both tablet and desktop computers without requiring client installation. Feature highlights include curved MPR, Volume Rendering including Cropping and virtual endoscopic view.

IMAGE Information Systems · iQ-4VIEW

Highlights

iQ-4VIEW is a ground-breaking diagnostic multimodality zero-footprint viewer, suitable for virtually all browsers and operating systems. It runs on almost any device (desktop computer, tablet PC or smartphone) and requires no installation on the client. iQ-4VIEW allows reading, viewing or reviewing any kind of images, structured reports and Encapsulated PDFs.

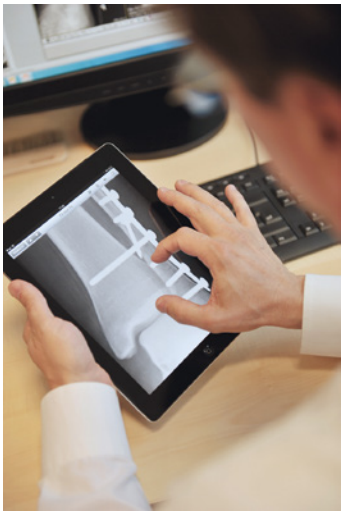
IMAGE Information Systems · MED-TAB v.1

Highlights

MED-TAB is the world's first DICOM-calibrated radiology tablet uniquely created for continuous high-quality, incredibly precise image access from any location. It runs on the Android 4.4.4 operating system and is compatible with any zero-footprint DICOM viewer.

- Large 13.3'' and bright 300 cd / m² screen
- 2 MP high resolution anti-glare display
- 11-bit DICOM grayscale calibration: a world first

ITZ Medicom · ITZ Hyper.PACS Mobile Solutions



Highlights

- ITZ Hyper.PACS supports all mobile devices and tablet-PC
- The solution is scaleable to your needs and budgets
- Also bidirectional transmission possible
- Secure by encryption and / or anonymized transmission
- Receive your images wherever you are with high image quality
- Different functionalities from viewing up to diagnosis
- Administration from any location

medigration · PraxisPortal App

Highlights

- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- Fast display of images and findings as PDF or SR
- No elaborate VPN neccessary
- For iPad / iPhone: Installation and updates easily via AppStore

ACCESSORIES / COMPLEMENTARY SYSTEMS

Agfa · Enterprise Imaging Business Intelligence

Highlights

Easy access to the information you need through standard and customizable reports. Your Enterprise Imaging solution contains a wealth of information about your healthcare enterprise and its operations. Agfa HeatlhCare Business Intelligence reports are a cornerstone in better understanding operational reali ties, identifying areas for focused improvement and help build efficiency gains.

Agfa · Enterprise Imaging VNA

Highlights

A robust solution for enterprise archiving of DICOM and non-DICOM data. As part of the Enterprise Imaging solution, the VNA consolidates all your imaging data, from multiple systems, departments, facilities and vendors, into a central clinical data foundation.Your data ownership, migration and storage costs are reduced, while management is simplified

Agfa · Enterprise Imaging Exchange

Highlights

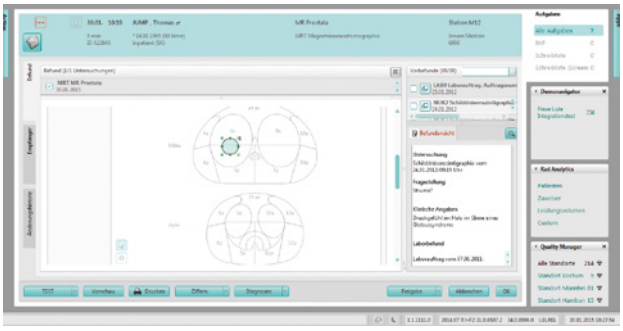
Fast, secure, reliable transfer of patient studies between hospitals, with no CDs or DVDs. With unlimited inbound and outbound uploading and downloading of images and a web-based way to share images with patients, referring physicians and other hospitals, Agfa HealthCare Imaging Exchange provides the enhanced image sharing you need to improve the delivery of care while decreasing costs.

GE Healthcare · DoseWatch

Highlights

- DoseWatch is a web-based dose monitoring software used to capture, track and report radiation dose statistics directly from the imaging device, multi-modality and vendor agnostic. Also from PET/SPECT CTs.
- DoseWatch monitors cumulative dose over time, and helps prevent excessive medical radiation exposure.
  In addition it supports the management of contrast media.

i-SOLUTIONS Health · RadCentre Mammography & MRI Prostate

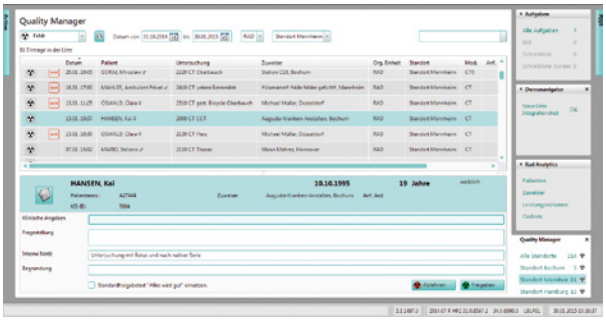


Highlights

Based on guidelines RadCentre offers Mammography and MRI Prostate workplace profiles for an structured and graphic generation of reports that set new standards in operating comfort and security.

- Integrated guidelines for an increase in report quality and comparability
- More quality assurance and liability for referring physicians

i-SOLUTIONS Health · RadCentre Quality Manager



Highlights

RadCentre Quality Manager supports the justification and documentation process. It increases quality assurance, patient safety and efficiency of examinations and offers quick overview of information for doctors to initiate the justification.

- Integrated justification process
- Overview of non-validated examinations
- Easy planning of examinations and specific information for technologists

Mammography

Tomosynthesis

Digital Mammography

Film-Screen Mammography

Biopsy Tables

Accessories /
Complementary Systems

TOMOSYNTHESIS

IMS · GIOTTO CLASS – Tomosynthesis

Power 8 kW
Resolution a-Se 24 x 30 cm
Pixel size 85 µm (without binning)

Highlights
- New DBT system allows superior clinical results with low dose
- DBT scan angle of 30° with 11 exposures
- "Step & Shoot" tube motion combined with 85 µm pixel size for the best visualization of microcalcifications
- Fast Iterative Reconstruction Software dedicated for DBT
- Multifunctional system: DBT, SINTHETIC VIEW, FFDM, TOMO-Guided or Stereo Biopsy with the patient in a PRONE or UPRIGHT, CEDM

IMS · Giotto CLASS FLEXITABLE

Detector Amorphous Selenium latest generation, 24 x 30 cm
Pixel size 85 µm (without binning)
Technology Biopsy table for TOMO-Guided or Stereo BIOPSY with the patient in a PRONE position

Highlights
- The FLEXITABLE in combination with Giotto CLASS allows the operator to perform Tomo-Guided or Stereo biopsy with the patient in prone position, operating with the same detector used in the DBT clinical investigation. It guarantees to proceed with the same visualization of lesions like in DBT.
- Prone position provides 360° access to the breast with lateral, cranial caudal and inclined approach

DIGITAL MAMMOGRAPHY

DMS / APELEM · Serenys DR Bym

Power 5 kW
Detector FPD 18 x 24 cm or 24 x 30 cm
Pixel size 85 µm
kV Range 20 – 40 kV

Highlights
- The Serenys DR Bym, with the added advantage of an isocentric C-arm including stereotactic biopsy
- The isocentric C-arm can be fully motorized and permits all breast projections without moving the patient and without adjusting the height of the C-arm, making exams faster and more comfortable
- The device is also available in analogic version

GE Healthcare · Senographe Care

kV Range 22 – 35 kV
Detector a-Silizium, 24 x 31 cm
Pixel size 100 µm

Highlights
- Fast and stream-lined workflow for high patient troughput
- Detector 24 x 31 cm with high quantum efficiency (DQE)
- High picture quality through automatic optimization of all parameters = AOP
- Patented Rh / Mo x-ray tube with matching Rh / Mo filters
- Option: Stereotaxy, Tomosynthesis SenoClaire, SenoBright (CESM)

GE Healthcare · Senographe Crystal

kV Range 22 – 35 kV
Detector CsI CMOS, 23 x 30 cm
Pixel size 70 µm

Highlights
- Small, motorized gantry
- Fits into small rooms, thank to small footprint
- Easy to use interface
- For screening and standard diagnostic

HOLOGIC®

The Science of Sure

Affirm™ Prone Biopsy System

Experience exceptional 2D and 3D™ biopsy imaging.
Fast and easy access to challenging lesion locations.
Significantly improved breast biopsy workflow*.

*Compared to MultiCare® Platinum

To find out more, visit us at **ECR** on our booth **#318**

DIGITAL MAMMOGRAPHY

GE Healthcare · Senographe Essential

kV Range 22 – 49 kV
Detector a-Silizium, 24 x 31 cm
Pixel size 100 µm

Highlights
- Optimized image quality and dose efficiency
- Detector 24 x 31 cm with high quantum efficiency (DQE)
- High picture quality through automatic optimization of all parameters = AOP
- Patented Rh / Mo x-ray tube with matching Rh / Mo filters
- Option: Stereotaxy, Tomosynthesis SenoClaire, SenoBright (CESM)

General Medical Italy · LAMBDA

Technology Amorphous Selenium
Power 5 kW
Detector 24 x 30 cm
kV Range 20 – 35

Highlights
LAMBDA is a completely independent mammography unit allowing clinicians to obtain high quality images while expediting patient throughput. It is suitable both for all the in depth studies of the breast as well as for "screening" programs carried out always with utmost accuracy. LAMBDA series includes analog mammography unit, digital system and digital system with Tomosynthesis.

Hologic · Selenia Dimensions 2D / 3D Mammography System

Power n / a
Detector Amorphous Selenium, 24 x 29 cm
Pixel size 70 µm

Highlights
- Selenia Dimensions 3D breast tomosynthesis technology allows doctors to see lesions with a clarity never before possible. Studies show that masses, distortions and asymmetric densities are better visualized and that recall rates are reduced with Hologic's breast tomosynthesis technology.
- Seamless, instantaneous transition between imaging modes: 2D and 3D acquired in the same compression

IMS · Giotto Image 3DL

Power 8 kW
Detector a-Se, 24 x 30 cm
Pixel size 85 µm

Highlights
- 3D-movements of the circular arm
- Isocentric rotation, prearranged for stereotactic biopsy and prone biopsy using the same detector
- Very low x-ray dose
- High DQE and high MTF
- Amorphous selenium detector: available in 24 x 30 cm

IMS · Giotto Mammo-bed

Detector a-Se, 24 x 30 cm – same of mammography
Resolution 85 µm

Highlights
- Prone biopsy table using the same mammography unit detector, guarantee that the lesion visualized during the mammography exam will also be visible during biopsy. Reducing the risk to lose hidden lesions.
- The system provides 360° access to the breast with no repositioning of patient. Possibile to choose the best possible approach to the breast: frontal, frontal inclined and lateral.

Philips · MicroDose Mammography SI

Technology Photon counting with single-shot spectral imaging
Resolution 50 µm, 14 bit
Size 24 x 26 cm

Highlights
- Advanced development of the unique photon counting technology, performing spectral imaging in one single exposure, making non-invasive spectral applications designed for screening possible
- Same excellent image quality at very low dose as with MicroDose
- Patient comfort with anatomically curved and warmed breast support, as well as fast exam time, in under 5 minutes
- Robust, stable detector for mobile environment

Planmed Oy · Clarity 2D

Power 23 – 35 kV
Detector Amorphous Silicon, 24 x 30 cm
Pixel size 83 µm

Highlights
- Intelligent Planmed Clarity Flow dual touch screen user interface that adapts to different imaging modes
- Image post processing that can be tailored to radiologist preferences
- Side access for optimal patient positioning and user ergonomics
- Integrated MaxView breast positioning system for maximal tissue visibility
- Easy field upgrade to Planmed Clarity 3D digital breast tomosynthesis

Planmed Oy · Clarity 3D

Power 23 – 35 kV
Detector Amorphous Silicon, 24 x 30 cm
Pixel size 83 µm

Highlights
- Digital mammography system for conventional 2D imaging, diagnostic imaging, stereotactic biopsies and Digital Breast Tomosynthesis (DBT)
- Continuous Sync-and-Shoot tomosynthesis imaging method with iterative reconstruction and TomoMarker technology to enable sharp and artifact free images
- Intuitive Planmed Clarity Flow touch screen based user interface

Siemens · Mammomat Fusion

Technology W / Rh, CsI
Resolution 83 µm
Detector 23 x 30 cm

Highlights
- New mammography system with proven premium features for everyday screening and diagnostics
- New generation CsI detector technology for higher spatial resolution at low dose
- Proven Tungsten tube technology for dose reduction up to 50 % compared to Mo/Mo
- Personalized OpDose and Adaptive AEC algorithm for individual dose calculation
- Flexible OpView for customized image impression

Siemens · Mammomat Inspiration with Prime Technology

Technology W / Rh, a-Se
Detector 24 x 30 cm
Resolution 85 µm

Highlights
Platform for screening, diagnostics, stereotactic biopsy and tomosynthesis
- PRIME Technology: World's first anti-scatter solution in digital mammography
- Combines gridless acquisition and Progressive Reconstruction
- Up to 30 % less dose with uncompromised image quality

Biopsing areas only seen or better seen with breast tomosynthesis

Tomosynthesis is a breast cancer screening and diagnostic modality that acquires images of a breast at multiple angles during a short scan. The individual images are then reconstructed into a series of thin, high-resolution slices typically one mm thick

The lightweight Affirm upright system easily integrates onto the Hologic tomosynthesis system in under a minute and is pre-programmed to use Hologic's Eviva® and ATEC® biopsy needles

A tomosynthesis dataset greatly reduces detection challenges associated with overlapping structures in the breast, which is the primary drawback of conventional 2D analog and digital mammography. By the end of 2015, Hologic, the leader in breast tomosynthesis[1], had installed approximately 3,600 breast tomosynthesis systems worldwide.[2] Many sites using the Hologic tomosynthesis system have purchased Hologic's C-View™ software which generates a 2D image from the tomosynthesis dataset, avoiding the need for a separate 2D exposure. Eliminating the 2D exposure saves time and makes the dose of a Hologic 3D MAMMOGRAPHY™ exam comparable to the dose of a conventional 2D exam.

Clinical studies, including the landmark JAMA study, "Breast Cancer Screening Using Tomosynthesis in Combination With Digital Mammography," found that Hologic breast tomosynthesis exams resulted in a significant increase in Positive Predictive Value (PPV) for biopsy versus conventional 2D mammography.[3] PPV for biopsy is a widely used measure of the proportion of women having a breast biopsy who are found to have breast cancer.

Unfortunately, suspicious areas found with breast tomosynthesis exams may be occult in other imaging modalities (conventional 2D mammography, ultrasound, breast MRI), or better seen with tomo-

The ability of the Affirm™ prone system to perform both stereotactic and tomosynthesis-guided breast biopsies, attracted considerable interest when it was shown as a work in progress at the Radiologic Society of North America Congress in 2015.

synthesis. There clearly is a need for a biopsy system capable of targeting these hard to image areas. That need is answered with the Affirm™ upright and prone biopsy systems from Hologic.

Tomosynthesis targeting capability in an upright biopsy system

In 2014 Hologic introduced the Affirm™ upright breast biopsy guidance system allowing users to target areas only found with 3D MAMMOGRAPHY™ exams. The Affirm upright system with Hologic's 3D Breast Biopsy offered faster targeting, lower dose, and superior performance when compared to conventional stereotactic biopsy systems.[4]

The Affirm upright system is an add-on to the Hologic Selenia® Dimensions® mammography system, allowing the same room to be used for screening, diagnostic and biopsy procedures. Because the biopsy system uses the same imaging platform as the screening system, areas of suspicion seen in a mammography exam are quickly and easily targeted.

Tomosynthesis targeting capability in a dedicated prone biopsy system

During 2016 Hologic is introducing the commercial availability of the Affirm™ prone biopsy system, the first dedicated **prone** biopsy system capable of both stereotactic and tomosynthesis-guided breast biopsies. The Affirm prone biopsy system is CE marked and pending 510k clearance in the U.S.

The new system complements Hologic's Selenia® Dimensions® mammography system and Affirm™ upright biopsy system to ensure that facilities have all the options necessary to provide minimally invasive breast biopsy to their patients. The Affirm prone system provides enhanced biopsy performance over existing prone systems with:

- Exceptional biopsy imaging capabilities using the same detector technology as the Hologic tomosynthesis mammography system. —> We should not compare but make it absolute
- A streamlined workflow designed to make using the system fast and easy to use.
- Access to challenging lesion locations with a fully integrated C-arm. The C-arm allows a full 360° access to the breast with both standard and lateral needle approaches – without requiring additional accessory attachments.

The Hologic Affirm™ upright and prone biopsy systems push the boundaries of breast care. With their dual stereotactic and ground-breaking tomosynthesis biopsy capabilities, radiologists can now easily locate and target regions of interest for biopsy, delivering streamlined workflow, accurate targeting and exceptional images.

www.hologic.com

1 IHS Technology. "Mammography X-ray Equipment-World-2014 – Version 2." October 2014

2 Hologic 2015 Q4 Earnings Call, November 4, 2015. http://investors.hologic.com/webcastpresentation#past:2016:1(accessed January 20, 2016)

3 Friedewald S, Rafferty E; Rose S, et. al. "Breast Cancer Screening Using Tomosynthesis in Combination with Digital Mammography." JAMA. 2014;311(24):2499-2507. doi: 10.1001/jama.2014.6095.

4 Schrading S, Martine D, Dirrichs T, et. al. "Digital Breast Tomosynthesis-guided Vacuum-Assisted Breast Biopsy: Initial Experiences and Comparison with Prone Stereotactic Vacuum-assisted Biopsy." Radiology. 2015 274:3, 654-662 and Smith A, Sumpkin J, Zuley M, et. Al. "Breast Cancer Screening Using Tomosynthesis in Combination with Digital Mammography," JAMA. 2014; 311(24): 2499-2507.

DIGITAL MAMMOGRAPHY

Siemens · Mammomat Inspiration

Technology Mo / Mo, Mo / Rh, W / Rh, a-Se
Detector 24 x 30 cm
Resolution 85 µm

Highlights
Platform for screening, diagnostics, stereotactic biopsy and tomosynthesis
- Direct-to digital a-Se detector
- Personalized OpDose and AEC algorithm for individual dose reduction
- Flexible OpView with 5 different flavors for customized image impression
- Single-touch positioning, and more time saving features enhanced workflow
- Unique MoodLight helping women relax

Siemens · High Definition Breast Tomosynthesis

Technology W / Rh, a-Se
Detector 24 x 30 cm
Resolution 85 µm

Highlights
The widest scan angle of 50° for superior depth resolution
- EMPIRE Technology (Enhanced Multiple Parameter Iterative Reconstruction) for tissue and lesions in unprecedented clarity
- Insight, the first synthetic visualization of tomosynthesis in both 2D and 3D.
- Reduce dose by replacing additional mammograms with Insight 2D
- Gain new depth in reading with Insight 3D

VILLA SISTEMI MEDICALI · Melody III d

Power 5 kW
Detector a-Selenium, 24 x 30 cm
Pixel size 85 µm

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with dual modality: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Version with isocentric C-arm dedicated for biopsy procedures
- Available with digital tomosynthesis for clear and detailed images with low dose

Wandong · Phoenix Full-field Digital Mammography – DM-1

Power 4.8 kW
Detector 300 x 240 mm / 85 x 85 µm
Anode 300 kHU 0.1 mm / 0.3 mm
kV Range 20~ 40 kV

Highlights
- Programmable positioning greatly speeds up your work flow
- By using unique breast auto examine technology system will automatically adjust the exposure parameters
- Minimal radiation dose realized with no loss of image quality
- Intelligent compression program and ergonomic designs provide patients with more comfort

FILM-SCREEN MAMMOGRAPHY

Planmed Oy · Sophie Classic S

Power 20 – 35 kV
Anode Mo
Filter Mo / Rh

Highlights
- Entry level film unit
- Optional magnification
- Optional stereotactics
- Optional CR interface

Siemens · Mammomat Select

Filter Mo/Mo or Mo / Rh
Object Table (Bucky) 18 x 24 cm or 24 x 30 cm
Interface Film ID camera or CR reader

Highlights
Designed for easy and fast operation:
- New analog mammography system enhanced with smart features
- Full access to the exposure controls from a single compact touch console
- Breast thickness and Automatic Exposure Control (AEC) measurements for achieving optimal image quality at the right dose

VILLA SISTEMI MEDICALI · Melody III

Power 5 kW
Anode Molybdenum
Filter Mo / Rh

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with selection of exposure parameters in function of effective breast density
- C-arm with ± 180° rotation
- Version with isocentric C-arm dedicated for biopsy procedures
- Available with 18 x 24 / 24 x 30 cm bucky or special potter accepting both cassette sizes

BIOPSY TABLES

Hologic · Affirm Breast Biopsy Guidance System

Highlights
The Affirm breast biopsy guidance system is designed to meet the biopsy challenges and needs of today and paves the way for future advances in interventional procedures with its tomosynthesis biopsy option.
- For Stereotactic and Tomosynthesis Interventional Procedures
- Designed for the Hologic Selenia Dimensions digital mammography system
- 10° angled biopsy approach for unobstructed view

IMS · Giotto CLASS FLEXITABLE

Pixel size 85 µm (without binning)
Detector Amorphous Selenium latest generation, 24 x 30 cm
Technology Biopsy table for TOMO-Guided or Stereo BIOPSY with the patient in a PRONE position

Highlights
- The FLEXITABLE in combination with Giotto CLASS allows the operator to perform Tomo-Guided or Stereo biopsy with the patient in prone position, operating with the same detector used in the DBT clinical investigation. It guarantees to proceed with the same visualization of lesions like in DBT.
- Prone position provides 360° access to the breast with lateral, cranial caudal and inclined approach

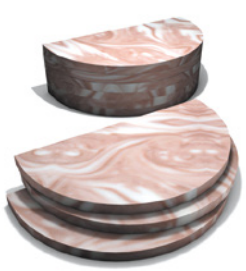
IMS · Giotto Mammo-bed

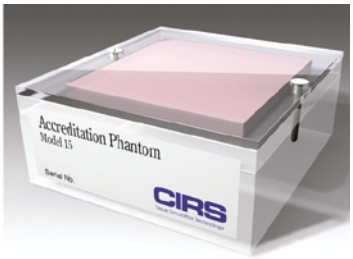
Detector a-Se, 24 x 30 cm – same of mammography
Resolution 85 µm

Highlights
- Prone biopsy table using the same mammography unit detector, guarantee that the lesion visualized during the mammography exam will also be visible during biopsy. Reducing the risk to lose hidden lesions.
- The system provides 360° access to the breast with no repositioning of patient. Possibile to choose the best possible approach to the breast: frontal, frontal inclined and lateral.

ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms

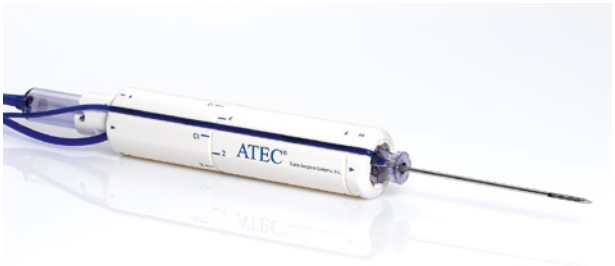




Highlights

- Mammography BR3D Phantom (Tomosynthesis and Breast CT)
- Multi-Modality Breast Biopsy and Sonographic Trainer (CT, US, MR)
- Stereotactic needle breast phantom
- Mammography test tools
- Mammographic accreditation phantom (evaluation of small structures detectability)
- Mammography Phototimer Consistency testing slabs
- Digital mammography phantoms
- Mammoview markers

Hologic · ATEC Breast Biopsy and Excision System



Highlights

ATEC breast biopsy & excising system provides clinicians with easier & more effective access to lesions with a single insertion.

- Tissue acquisition occurs every 4.5 seconds
- 1 simple console for every modality
- Easily delivers local anesthetic continuously
- Fully closed system & disposable device reduce contamination risk
- No software to program / operate console
- 1 minute set-up and clean-up

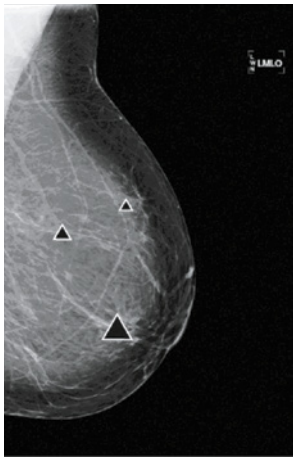
Hologic · Eviva Breast Biopsy Device

Highlights

Designed to deliver fast, comfortable & accurate procedure. Optimized to reach broad spectrum of patients using prone & upright

- Quiet, remote firing
- Tissue acquisition time of 4.5 s / sample
- Continuous pain management
- Direct control of sampling w / tactile wheel
- High-quality cores, saline lavage & constant aspiration
- Hematoma reduction w / saline lavage
- End deploy site marking solution

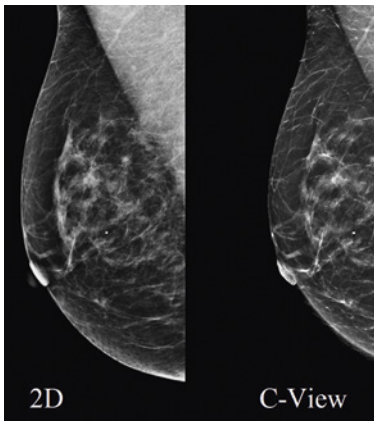
Hologic · ImageChecker CAD



Highlights

ImageChecker CAD software can process images from most direct capture digital mammography detectors and displays them on a range of workstation environments. The display of digital CAD marks depends upon the viewing solution chosen. Whichever display you choose, basic RightOn CAD marks will appear on all displays.

Hologic · Lower Dose Tomo (C-View Software Option)

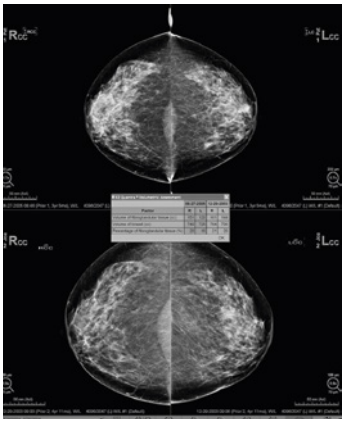


Highlights

C-View software generates 2D images from Hologic's 3D tomosynthesis data without the need for a 2D exposure.

C-View software is designed to lower patient radiation dose, making the 3D mammography dose comparable to a 2D only exam while maintaining all the clinical benefits and superior image quality of 3D.

Hologic · Quantra Breast Density Assessment Software



Highlights

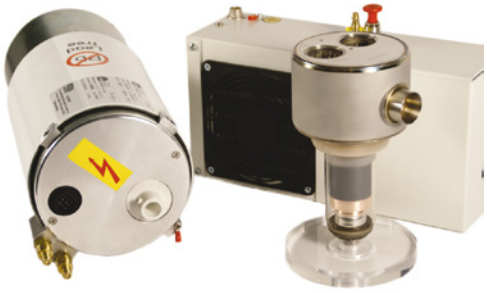
Quantra volumetric breast density assessment software is a powerful breakthrough technology that estimates a woman's breast density by using details of the x-ray imaging chain to quantify fibroglandular tissue. Quantra aggregates volumetric measurements from each view in a study into a simple, concise assessment for each breast.

I.A.E. · XK1016T

Highlights

- Rotating anode mammography X-ray tube, with special bi-angled target, for optimal performances with all techniques
- Two separate focal tracks, small focus on 10° and large focus on 16°, optimal resolution performances
- Reduced thermal stress on the bearings improves tube life duration
- Severe tests during conditioning assure best performances
- Compact light weight structure

I.A.E. · C340



Highlights

- Water cooled mammography tube unit for beam scanning mammography equipments,high patients throughput screening applications
- Brass body lead free X-ray shielding internal pump for oil circulation improves oil to casing thermal Exchange
- Water cooled jacket avoids remote oil circulation
- Compact lightweight structure
- 800 W continuous dissipation for high energy techniques, high patients throughput

PTW · NOMEX Multimeter

Highlights

- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Single exposure captures all dose values, kVp, time, TF, HVL, frequency, pulses and waveforms
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Data and waveform export to Excel
- Ideal for tomosynthesis measurements
- Accessories: NORMI MAM test objects

Varian · B-121 Mammography Housing

Highlights

- Air Cooled Mammography Housing
- Fits with a standard size (three inch) X-ray tube insert
- Digital and tomography applications
- 300 Watts of continuous dissipation with fans
- Increased dissipation rates over standard mammography housings
- 20 % increase without fans
- 200 % increase with fans
- Two Shroud configurations
- Quiet D/C fans; optional A/C fans

R / F Film-Screen

Bucky

Fluoroscopy

X-Ray Mobile

Accessories /
Complementary Systems

BUCKY

GMM · OPERA RT20 – RAD and TOMO compact unit

Power From 32 kW up to 80 kW
Design Adjustable height table
Table Floor mounted

Highlights
- Compact X-ray units ensuring application versatility and operational efficiency.
- X-ray tube remarkable displacements for easy execution of examinations and oblique incidences also on stretchers.
- Total safety and comfort for the patient and enhanced diagnostic results in examinations of the spine, thorax, legs, etc.
- Utmost user-friendliness also in combination with wall stands.

PROTEC · BUCKY series

Power Various
Table Integration to table / wall stand / U-arm

Highlights
- Outstanding compatibility with X-ray tables, wall stands and U-arm of various brands
- High cost effectiveness due to continuation of use of existing grids and AEC chambers
- All established detector types are supported
- Suitable for cassettes / detectors of different dimensions
- Perfectly prepared for simple realisation when upgrading an existing analogue system to a fully digital DR

PROTEC · PRS 500 F / E

Power 40 / 50 / 65 / 80 kW
Table Fixed or adjustable height, floating carbon fibre table top

Highlights
- Compact bucky system for minimal space requirements
- PROVARIO HF generator integrated into table (40 – 80 kW)
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Table with floating carbon fiber table top
- Individual system configuration from analogue to fully digital solution
- Adjustable height with PRS 500 E

Shimadzu · RADspeed Pro automatic

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- High-performance automatic general radiographic system
- Auto positioning function
- Synchronized movements
- Next generation collimator with auto-filtering function
- High-load capacity table
- Space saving installation concept

Shimadzu · RADspeed fit

Power 32 / 56 kW
Table Floating type
kV Range 40 – 150 kV

Highlights
- Ultra compact X-ray unit
- Heavy load capacity of floating X-ray table
- Up to 432 application programs
- Flexible positioning of X-ray tube support
- Upgradeability to a fully-fledged digital system

Shimadzu · RADspeed Pro MC

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- Generator with high-frequency inverter technology
- Long vertical travel of ceiling-mounted tube support
- High-load capacity table
- Space saving installation concept

BUCKY

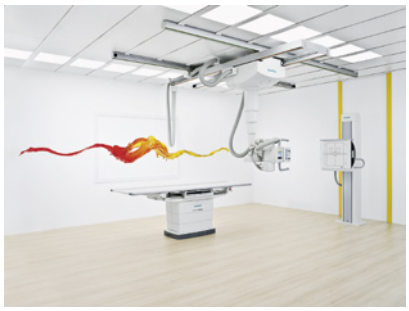
Shimadzu · RADspeed Pro MF

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- Generator with high-frequency inverter technology
- Floor-mounted tube support
- High-load capacity table
- Space saving installation concept

Siemens · Multix Fusion

Table Free-floating, height adjustable, up to 300 kg
Power 55 / 65 / 80 kW



Highlights
Fits your needs. Fits your budget.
- Key components adapted from Ysio like table, tube, bucky wall stand and many more
- Automation – Fast positioning with advanced tube tracking and comfortable maneuvering
- Small space requirements – fits your room and budget
- Prepared for the future – digitize your system whenever you prefer

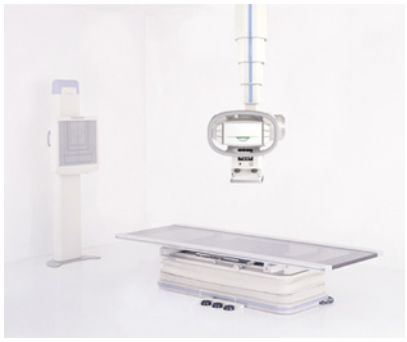
STEPHANIX · RAD series

System concept Cost efficient, multipurpose
Technology Upgradable to DR
Design Compact and reliable solution
Power Up to 80 kW

Highlights
- Designed for customising to your application and budgetary considerations
- Multi-functional and digital-ready
- Ergonomically shaped with floating table for easy positioning
- Small space requirement
- Wide range of general procedures
- Intuitive touch screen generator with 864 APR available
- Fixed or variable height table
- Floor or ceiling tubestand
- Tomography

Toshiba · Radrex

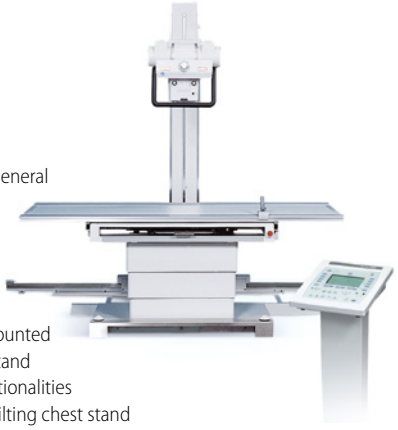
Power 50 kW or 80 kW
Table Motorized height adjustable with floating tabletop



Highlights
Toshiba recommends Radrex compact radiographic systems for general-purpose radiography, being highly accurate and efficient. It is possible to expand the original system to meet the particular clinical requirements of the user. When the system is combined with a portable FPD (35 x 43 cm) and digital processor, a wide range of applications can be performed.

VILLA SISTEMI MEDICALI · Moviplan 800

Power 32 / 40 / 50 / 65 / 80 kW
Table Fixed or elevating tabletop
Cassette Size From 13 x 18 cm to 35 x 43 cm



Highlights
- Modular bucky system for general radiographic applications, muscoskeletal diagnostic room or emergency ward
- Several configuration options: table available with motorized lift, floor-mounted or ceiling suspended tubestand
- Optional tomographic functionalities
- Available with standard or tilting chest stand

FLUOROSCOPY

GMM · OPERA T – Multifunctional remote-controlled table

Design 50 kW up to 80 kW
Image system Universal remote-controlled table
Power I.I. and FPD

Highlights
- Wide range of advanced, cost-effective R/F remote-controlled tables.
- Six different configurations available to suit actual operators' needs.
- 90/30° or 90/90° tilting movement; 210 cm or 240 cm tabletop length; 150 or 180 cm FFD.
- Different combinations with SFD-I.I./TV chain, DR or RF flat panel detector.
- Wide versatility of application enhanced by special accessories.

Shimadzu · Flexavision series

Power 50/80 kW
II format 12 or 9
Image system Digital or analog

Highlights
- 90/30 Digital or analog local R/F table
- Flexible configuration
- High reliability
- Turnable footrest
- Meets all requirements for routine R/F exams

Siemens · Luminos RF Classic

Design Remote-controlled R/F system
Detector 1 k x 1 k matrix
Size 23 or 33 cm

Highlights
- Complete patient coverage with 8-way tabletop travel and large receptor movements
- Single-handed cassette handling: automatic loading, centering, format sensing and collimation
- Intuitive and fast operation with innovative control console
- Dose-saving fluoroscopy with SUPERVISION (option)
- Bucky wall stand (option)
- Excellent price-performance ratio

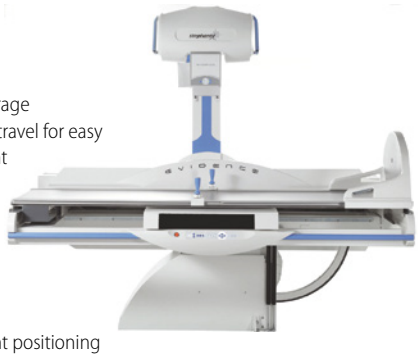
Siemens · Luminos Select

Design Digital remote-controlled R/F system
Detector 1 k x 1 k matrix
Size 33 cm

Highlights
Luminos Select – don't compromise, be select.
- Platform concept – select to match your budget
- Common Siemens user interface for ease of use
- Imaging system from Siemens high-end products
- Table with excellent patient access from all sides

STEPHANIX · EVIDENCE

System concept Versatile and robust remote controlled table
Technology Upgradable to digital with image Intensifier and Flat Panel Detector
Design Compact and reliable solution
Power Up to 80 kW



Highlights
- Complete patient coverage
- Smart 8 ways tabletop travel for easy and comfortable patient transfer
- Column angulation ±40° on the whole table's length
- Tomography
- Fixed or variable height
- Video camera for patient positioning to optimize dose reduction

Toshiba · Plessart EX8

Power 80 kW
II format 12"
Image system 1 k x 1 k CCD

Highlights
The Toshiba Plessart EX8 is a digital remote control R/F system comprising a R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

FLUOROSCOPY

Toshiba · Plessart VIVO

II format 12" or 9"
Power 50 kW

Highlights

Toshiba Plessart VIVO is a remote control R/F system comprising an R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

VILLA SISTEMI MEDICALI · Apollo

Power 50/65/80 kW
II format 9"/12"/16"
Image system Analog or digital with I.I.

Highlights

- Premium remote controlled system for full clinical coverage in R/F applications
- Full patient coverage by moving only the tube-receptor assembly, without patient repositioning
- Up to 180 cm Source to Image Distance
- SFD with line and cross divisions
- Oblique projections at table edges and electronic tomography
- Automatic grid parking

VILLA SISTEMI MEDICALI · Apollo EZ

Power 50/65/80 kW
II format 9"/12"
Image system Analog or digital with I.I.

Highlights

- Compact and cost-effective system for all the needs of radiographic and R/F imaging
- Available with 2-way or 4-way flat tabletop, plastic or carbon-fiber
- Variable Source to Image Distance: up to 180 cm
- SFD with either line or cross divisions
- Oblique projections at table edges and electronic tomography
- Automatic grid parking

VILLA SISTEMI MEDICALI · Apollo Open

Power 50/65/80 kW
II format 9"/12"/16"
Image system Analog or digital with I.I.

Highlights

- Premium remote controlled system with OPEN table-top, allowing 4-side access to the patient
- Full patient coverage by moving only the tube-receptor assembly, without patient repositioning
- SFD with line and cross divisions
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- Standard carbon fiber tabletop
- Automatic grid parking

VILLA SISTEMI MEDICALI · Vision

Power 50/65/80 kW
II format 9" 12"
Image system Analog or digital with I.I.

Highlights

- Available with 2-way or 4-way tabletop
- Powerful SFD with line / cross divisions
- Can mount either 9" or 12" Image Intensifiers
- Ready for connection with DIVA digital acquisition system

Wandong · HF81 Series

Power 80 kW
II format 12 inches
Image system CCD 1 k x 1 k

Highlights

- Latest technology 80 kW / 200 kHz generator
- Remote-controlled diagnostic table 90°/–25° or 90°/–45°
- SID adjustable 100/150 cm
- 400 kHU High-speed X-ray tube Assembly
- 9" or 12" three fields I.I.
- 1 k x 1 k high resolution with 30 fps image acquisition rate
- InvaRay digital imaging platform, DICOM 3.0 fully support
- Comprehensive digital imaging processing

X-RAY MOBILE

Wandong · HF51 Series

Power 50 kW
II format 12 inches
Image system CCD 1 k x 1 k

Highlights
- High frequency 50 kW generator
- Remote tilting table 90° / –25°
- Variable SID 100 / 150 cm
- 400 kHU High-speed X-ray tube Assembly
- 9" or 12" three fields I.I.
- 1 k x 1 k high resolution with 30 fps image acquisition rate
- InvaRay digital imaging platform
- DICOM 3.0 fully support

DMS / APELEM · RAFALE B

Image system Analogic upgradable DR
Power 32 kW
kV Range 40 to 125 kV
mAs Range 0.1 to 320 mAs

Highlights
The Rafale B is a battery powered mobile X-ray unit analogic. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms. For precise positionning, motor assisted fine positioning adjustements are possible from the tube head and the entire unit moves millimeter by millimeter.

Shimadzu · MobileArt eco

Power 12.5 kW
kV Range 40 – 125
mAs Range 0.32 – 100 (200)

Highlights
- Telescopic arm
- Easy positioning
- Wide coverage
- Compact design

Shimadzu · MobileArt Evolution EFX

Power 32 kW
kV Range 40 – 133
mAs Range 0.32 – 320

Highlights
- Superb image quality
- Easy handling
- User-friendly operation
- Sophisticated radiographic functions
- Low noise motorized system
- Energy saving collimator with a bright irradiation field through LEDs
- DR ready: Flat panel detector upgradability

Shimadzu · MobileArt Evolution EFX

Power 12.5 kW
kV Range 40 – 125
mAs Range 0.32 – 320

Highlights
- Superb image quality
- Easy handling
- User-friendly operation
- Sophisticated radiographic functions
- Energy saving collimator with a bright irradiation field through LEDs
- Low noise motorized system

X-RAY MOBILE

Siemens · Multimobil 10

Power 10 kW
kV Range 40 – 125

Highlights
The economical solution in mobile X-ray imaging.
- Short exposure times and a constant imaging power provide a high image quality
- Easy handling and maneuverability based on a lightweight and compact design
- Entry level analog mobile X-ray system

Siemens · Polymobil Plus

Power 16 kW (optional 20 kW)
kV Range 40 – 125

Highlights
Simplicity and reliability in mobile X-ray imaging.
- High image quality due to high power output and a minimum exposure time down to 4 ms
- Easy handling and maneuverability based on a lightweight and compact system design
- High reliability
- Powerful entry level analog mobile X-ray system

Siemens · Mobilett XP / Mobilett XP Hybrid / Mobilett XP Eco

	Mobilett XP	Mobilett XP Hybrid	Mobilett XP Eco
Power	30 kW, 450 mA (max.)	30 kW, 450 mA (max.)	20 kW, 400 mA (max.)
kV Range	40 – 133	40 – 133	40 – 125

Highlights
Remarkable user comfort in advanced mobile X-ray imaging.
- Excellent image quality due to extremely short exposure times down to 1 ms (Mobilett XP Eco: 2 ms) and a powerful 30 kW generator (Mobilett XP Eco: 20 kW)
- Easy mobility and effortless positioning based on a lightweight and compact design, and an articulated swivel arm
- Remarkable user comfort, supported by self-explaining functionality, to ideally support the daily routine
- Mobilett XP Hybrid can be operated from both battery and mains power and offers the convenience of motor assisted traveling
- Advanced analog mobile X-ray system

STEPHANIX · MOVIX Series E+

Power From 16 to 32 kW
Technology Capacitor assisted high frequency generator
kV Range Up to 150 kVp
mAs Range Up to 500 mAs

Highlights
- Cost effective solution
- Compactness ensures easy handling
- User-friendly interface with 492 customizable anatomical programmes
- Wide range of procedures
- X-ray tube with rotating anode
- Thin dual focal spots
- High heat capacity
- Short exposure time

VILLA SISTEMI MEDICALI · Visitor T4

Motorized No
Power 4 kW
kV Range 40 – 110
mAs Range 0.2 – 250

Highlights
- Cost-effective mobile unit granting compactness and ease of use
- Suitable for most examinations performed in plaster rooms, emergency and health screenings contexts
- Compact and lightweight design for easy handling

VILLA SISTEMI MEDICALI · Visitor T30C

Motorized	No
Power	32 kW
kV Range	40 – 125
mAs Range	0.1 – 220

Highlights
- Mobile unit designed for emergency context as well as orthopedics, pediatric or surgery departments
- Compact and lightweight design for a high maneuverability of the unit
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- APR anatomic mode
- User friendly control panel

Wandong · PX100-CLK

kV Range	40 ~ 100 kV
mAs Range	0.4 ~ 98 mAs
Power	1.6 kW

Highlights

PX series mobile X-ray system can be used mainly for radiography in the operation room, emergency ward, orthopedics and surgical treatment. Apply high frequency conversion technology, greatly improve image quality, shorten exposure time, and reduce the harmful radiation to human body. High frequency generator, Ergonomics designed, Microcomputer-control, easy to operate, maintain and move.

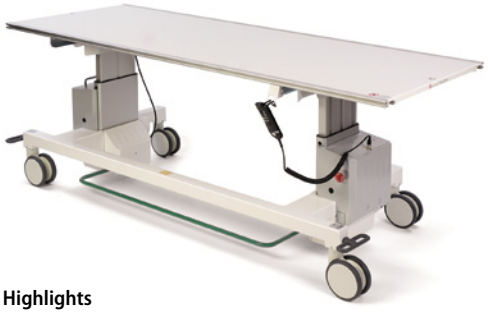
ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms

Highlights
- Pediatric anthropomorphic training phantom
- ATOMMax dental and diagnostic head phantom
- Radiography fluoroscopy QA phantom
- 3dimensional torso phantom
- Test tools

PROTEC · PROGNOST XP-series

Power	Line or battery
Table	Fixed or adjustable height (optional), carbon fiber table top



Highlights
- Mobile patient table to position the patient directly above the corresponding image receptor
- For digital DR detectors or with bucky tray integrated
- Fixed table height or elevating with floating carbon fibre table top
- Elevating versions with line connection or battery powered

PTW · NOMEX System

Highlights
- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Incl. NOMEX DOSEMETER and MULTIMETER (captures all dose values, time, kVp, TF, HVL, frequency, pulses, waveforms)
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: Test objects NORMI RAD/FLU, NORMI DSA, NORMI 3D (CE marked, class I certified)

QUART · Anthropomorphic X-Ray Phantoms

Highlights
- Our German-made anthropomorphic phantoms allow repeated x-ray imaging of specific body regions. They are used in x-ray trainings or for specific equipment tests under life-like conditions.
- The phantoms comprise of real human bones embedded in tissue-equivalent material.

Available phantom versions
- Full Body
- Head
- Hand / Arm
- Hip / Spine
- Foot / Leg
- Special Training Phantoms

R/F Digital

- Conventional
- Digital
- DR Retrofit
- Mobile DR
- Flatpanel Fluoro
- Accessories / Complementary Systems

CONVENTIONAL

Agfa · CR 10-X

Slots 1
Resolution 20 bits / pixel
Cassette size 35 x 43 cm

Highlights
- Affordable CR solution that makes no compromises in image quality
- For a convenient and fast workflow
- Robust, yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Networking capabilities deliver seamless integration
- Capacity: 34 plates / hour

Agfa · CR 12-X

Slots 1
Resolution max. 200 µm / pixel
Cassette size 35 x 43 cm

Highlights
- Affordable CR system offering high image quality
- Customer-chosen optimal workflow
- Robust, yet easy to install and maintain
- Suited for mobile applications
- Networking capabilities deliver seamless integration

Agfa · CR 15-X

Power Autoranging external power supply (24 V output)
Size 580 x 700 x 471 mm (w x d x h)
Slots Single slot cassette feed

Highlights
- Affordable for a broad range of applications
- Convenient and fast workflow, with usercontrollable speed and resolution
- Robust yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Highly versatile, compact CR 15-X offers an ideal solution fordecentralised hospital environments, clinics and private practices.

Agfa · CR 30-Xm*

Slots 1
Resolution 10 pixels / mm, 20 pixels / mm for mammography
Cassette size From 15 x 30 cm to 35 x 43 cm, incl. mammography

Highlights
- Tabletop digitizer
- Broad range of applications: mammography, general radiography, orthopaedics, chiropractic, dental and FLFS
- No quality compromises
- Horizontal cassette insertion
- Low total cost of ownership
- Mobile use
- Capacity: up to 82 plates / h

**CR 30-XM not available in the US & Canada*

Agfa · DX-M*

Slots 1 – 5 cassettes: drop and go buffer
Resolution 6.7 – 20 pixels / mm
Cassette size From 15 x 30 cm to 35 x 43 cm, incl. mammography

Highlights
DX-M : Mixed to perfection
- Next-generation CR digitizer
- NIP and PIP detectors for general radiography and mammography
- Superb image quality and potential for dose reduction
- Five cassette drop-and-go buffer
- Small footprint
- Capacity: approx. 83 plates per hour (35 x 43 cm cassette)
- MUSICA Image Processing

** DX-M with CR Mammography application is not available in the US*

Trinias F12 MiX package: Floor-mounted C-arm type provides functional enhancements which achieve shorter treatment times and less contrast media

World-class technologies for healthcare and diagnosis

As a leading global provider of both diagnostic imaging and analytical instrumentation technologies, Shimadzu offers broad expertise in medical imaging and mass spectrometry detection platforms helping to deliver a measurable impact on healthcare and diagnosis. The company is the perfect partner for transformational technologies to accelerate diagnosis.

Medical Imaging platforms

Based on more than 100 years of extensive clinical experience in X-ray technologies, Shimadzu provides a multitude of radiographic and fluoroscopic systems, both either floor- or ceiling mounted, and mobile units. World-leading technology, cutting-edge applications and functionalities enhance healthcare providers' examination efficiency and safety while reducing the radiation dose.

Laboratory systems

Shimadzu's analytical instrumentation units support healthcare and diagnosis applications through chromatography, mass spectrometry, spectroscopy, and life sciences. Shimadzu's world-leading quantitative mass spectrometry systems are utilized for various applications, e.g. TDM (Therapeutic Drug Monitoring), NBS (Newborn screening), toxicology, steroid and vitamin analysis. The instruments provide high-speed methods and high sensitivity for multi-component simultaneous analysis even at low concentrations.

Passion for details

New diagnostic imaging systems and units with best-in-class features and new functionalities provide excellent image quality for a wide range of efficient examinations. Patients benefit from a high level of comfort and low exposure dose, and clinical staff from operability, better patient coverage and throughput.

Trinias MiX package

Shorter treatment times and less contrast media used

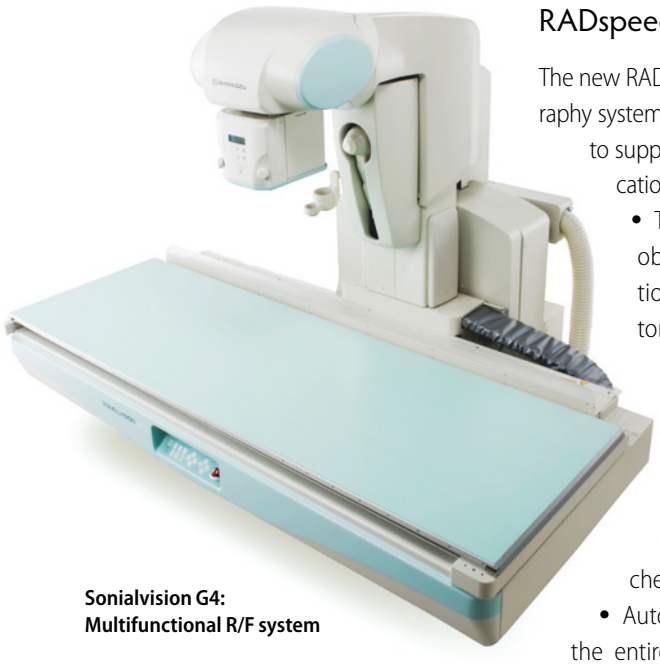
The newly released Trinias MiX package (Minimally invasive eXperience) supports less invasive treatments through a variety of applications. The Trinias MiX package is an extension of the Trinias angiography system, which facilitates high-level interventions using a proprietary image processing technology.

The functional enhancements of the Trinias MiX package cover the following applications:

- SCORE Navi + Plus 3D Application interlinked with previously acquired CT images imports pre-procedural MDCT images and links them with fluoroscopy images, allowing a seamless workflow from preoperative treatment to perioperative navigation.
- SCORE StentView + Plus PCI Support Application improves device detection efficiency displaying stents in a fixed position in real-time even in procedures using multiple devices, thereby shortening treatment times.
- SCORE MAP provides automatic trace mapping for aortic stent grafting automatically extracts and displays only the outline of vessel walls providing a map image for easy device guidance.

Best-in-class: Sonialvision G4 multifunctional R/F system

The Sonialvision G4 high performance R/F table provides numerous best-in-class features significantly increasing its functionality and operability. Sonialvision G4 unites the widest possible range of examinations with inter-departmental hospital capability. The largest available FPD at 43 x 43 cm provides an extensive imaging area. An additional ceiling-mounted telescopic arm, a Bucky wall stand, and a second mobile FPD, turn the system into a sophisticated multifunctional R/F room.



Sonialvision G4: Multifunctional R/F system

- SUREengine-Advance is a leading-edge digital image processing technology and ensures extremely clear fluoroscopy and radiography images.
- Slot Advance provides high accuracy images with long fields of view, such as for full spine or full leg images, taken with a minimal X-ray dose. SLOT Advance acquires a series of accurate images of a few centimetres central slit as the imaging chain moves successively along the patient and allows precise measurements of extremities.
- Tomosynthesis is a proven X-ray imaging technology for higher precision diagnoses. In a simple and quick workflow, and at a low exposure dose, tomosynthesis state-of-the-art imaging technology offers high quality multi-slice images to visualize the part which is invisible for conventional plain radiography.
- T-smart provides even clearer tomosynthesis images suppressing the artefacts around metal objects even further. This application is of great help in orthopedics especially for patients with metal implants or fixators as it allows a very exact diagnosis of the status of the boundary between bone and implant.

RADspeed Pro EDGE

The new RADspeed Pro EDGE digital radiography system adds numerous functionalities to support diagnostics in clinical applications.

- Tomosynthesis allows to easily obtain multiple digital cross-section images from a single linear tomography scan.
- Dual-energy subtraction utilizes the difference in X-ray absorption levels of bones and soft tissue to generate separate images, which is useful for diagnoses in the chest area, such as lung cancer.
- Auto-stitching radiography covers the entire lower extremities or entire spine and links the settings made on the X-ray tube with the Bucky table or Bucky stand with subsequent automatic image stitching.
- Dedicated tomosynthesis workstation allows parallel processing of data with examinations increasing the throughput and reducing the stress on patients.

Mobile X-ray applications: evolving technology with outstanding flexibility

The new X-ray MobileDaRt Evolution EFX can be moved to any location where radiography is required, enabling on-site examinations and image verification. Capitalizing on the merits of efficiency and high throughput, this digital mobile X-ray system, which is equippable with differently sized wireless flat panel detectors (FPD), broadens its applications from clinical rounds in hospitals to critical care and applications at disaster sites, as well as operating rooms and neonatal intensive care units (NICU). The choice of three detectors (42 x 43, 35 x 43, and 27 x 35 cm) provides superior flexibility for users. They combine high sensitivity with the lowest possible dose of radiation and provide sharp high-quality images in areas such as radiology, emergency rooms, traumatology, orthopedics, pediatrics, or on the ward.

New features improve safety as well as processing speed, and save energy:

- vibration-resistant DR unit adopting a high-speed solid-state drive (SSD), thereby reducing the risk of data loss
- energy saving collimator with a bright irradiation field through LEDs
- LCD monitor with a wide viewing angle around the unit
- FPD contributing to improved procedural efficiency.

VISIT US AT **ECR 2016**
IN VIENNA, AUSTRIA · 2-6 MARCH
EXPO X2, STAND 325
Further information: Shimadzu Europa
www.shimadzu.eu/medical

RADspeed Pro EDGE: Extended functionality and comprehensive diagnostic capabilities

CONVENTIONAL

Konica Minolta · Regius 210

Slots 2
Resolution 3 – 11 Lp / mm
Cassette size From 18 x 24 cm to 35 x 43 cm

Highlights
- High performance dual bay reader
- Outstanding image quality in both general X-ray and mammography
- Low dose imaging for paediatric use
- Use with standard cassettes and CsI cassettes (CP-1M, CP-1S)

Konica Minolta · Regius 110 HQ

Slots 1
Resolution 3 – 11 Lp / mm
Cassette size From 18 x 24 cm to 35 x 43 cm

Highlights
- Highy quality mammography read function
- Easy to operate and maintain
- Powerful compact reader with linear motor technology
- Use with standard cassettes and / or mammography cassettes

Konica Minolta · Regius Sigma II

Slots 1
Resolution 3 – 6 Lp / mm
Cassette size From 18 x 24 cm to 35 x 43 cm

Highlights
- Only 28 kg
- Foot print only 0.31 m²
- Processes up to 60 plates / hour
- Ultra compact: Konica Minolta's smallest and lightest CR reader
- Environmentally friendly with an energy consumption of max. 100 VA

Philips · PCR Eleva Compact

Slots 1
Resolution 10 pixel / mm
Capacity 55 plates / hour (18 x 24 cm)

Highlights
- Single-slot system ideal for smaller facilities with moderate throughput requirements
- Excellent image quality thanks to UNIQUE image processing
- Customizable workflow with the PCR Eleva workspot
- Ideally suitable for X-ray departments with a decentral reader setup
- For general applications, including orthopedic and dental applications
- Orthopedic automatic image stiching

Philips · PCR Eleva S Plus

Slots 1
Capacity 97 plates / h (18 x 24 cm);
94 plates / h (35 x 35 cm in high-speed mode)
Resolution 10 pixel / mm, 5 pixel / mm in high-speed mode,
20 pixel / mm with HR cassettes (option)

Highlights
- Single-slot system ideal for normal to high volume workload and optional high resolution imaging
- Ideal for departments with the decentralized reader-per-room set-up
- Excellent image quality thanks to UNIQUE image processing
- Customizable workflow with the PCR Eleva workspot
- For general applications, including orthopedic and dental applications
- Faster read-out than S reader with high speed mode

- 50 micron scanning option
- Orthopedic automatic image stitching

DIGITAL

Agfa · DX-D 300

kV Range From 40 to 150 kVp in 1 kVp step
mAs Range From 0.1 to 500 mAs in 38 step

Highlights
- Universal modality
- Single DR detector
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Integrated software for generator and positioner interface
- Complete versatility with optional CR / DR combination
- Motorized positioner
- Floor mounted

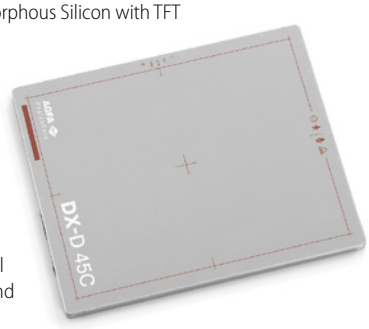
Agfa · DX-D 40 detector

Detector Amporhous Silicon
Size 384 x 460 mm (outer dimension)
Detector Technology AED (Automatic Exposure Detection) CsI and GOS

Highlights
The DX-D 40 Digital Detector with Automatic Exposure Detection (AED) offers a fast and effective way for radiography facilities to benefit from high quality digital imaging using any X-ray equipment:
- Improved workflow and exam speed
- Cassette-sized detector gives maximum convenience and ortability
- MUSICA processing for excellent contrast detail

Agfa · DX-D 45 detector

Technology CsI (Cesium Iodide) and GOS (Gadolinium oxysulfide)
Size Effective area: 251.0 x 314.5 mm (10 x 12 inch)
Detector Amorphous Silicon with TFT



Highlights
- The easiest and most versatile way to go Direct Digital
- High resolution,light-weight and small cassette-sized
- Detector ideal for use in pediatrics, for extremities and special examinations
- Automatic Exposure Detection (AED) for seamless use with virtually all X-ray systems
- Excellent connectivity with DICOM compatible SW and imagers
- MUSICA processing for excellent contrast detail and exam-independent

Agfa · DR 400 (floormounted)

Power 40, 50, 65, 80 kW

Highlights
- Cassette size bucky can rotate from landscape to portrait
- Build-in Dose Area product meter (optional)
- Scalable, flexible and affordable modality
- Flexible configurations and options for most needs
- Supports CR and DR integration
- Requires limited space (4 x 2 m)
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow

Agfa · DR 600 (ceiling suspended)

Highlights
- Excellent user-friendly 10 inch tube head display with preview image
- Detector CsI technology with dose reduction potential
- Tilting wallstand bucky with vertical tracking, holders for patient convenience and collimator light switch
- High-productivity, top-of-the-line, direct radiography system with motorized auto-positioning.
- MUSICA processing provides superior contrast detail and consistent, exam independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Automatic versions support DR detectors in the wall stand and table with optional additional integrated CR

Canon · DelftDI Adora DRi

Design Ceiling-suspended DR system
Detector Canon CXDI-series of high resolution DR detectors
Table Motorised carbon fiber, floatig top with 340° rotation

Highlights
Next generation High End solution for all radiographic applications
- Intelligent workflow for high volume patient throughput
- Easy APR auto-positioning – up to 1,000 positions
- SmartHandle motorized movement, zero force
- Intuitive tube head control
- Optional: Integrated image stitching for total spine and total leg, Fluoroscopic capability, RF, Double tube head for RSA imaging procedures

DIGITAL

Canon · DelftDI XSense DR

System concept Motorized height adjustable with fixed table top
Motorized Auto-positioning
Detector Canon CXDI-series, high resolution DR detectors

Highlights
A high-end system for radiographic imaging and beneficial features for your emergency department
- Optimized workflow for high-volume patient throughput
- Smart automatic positioning and detector tracking in all directions
- Suitable for orthopedic, trauma and pediatric procedures with fixed tabletop
- Generator interface on tube head display
- Fully automatic image stitching

Canon · DelftDI Triathlon DR

Design Ceiling-suspended DR system
Detector Canon CXDI-series, high resolution DR detectors
Table Motorized height adjustable with floating tabletop

Highlights
High End solution for all radiographic applications
- Optimised workflow for high volume patient throughput
- Smart Automatic Positioning
- Fully Automatic Image Stitching
- High efficiency with RIS-integrated workflow
- Advanced 6-way Patient Table with motorised adjustment and motorised detector tracking
- Tubehead display allows allows access to a variety of examination information

Canon · DelftDI Trauma DR PLUS

Design Ceiling-suspended U-arm trauma system
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Versatile solution for trauma applications:
- Fast and efficient workflow
- Easy manual positioning with motorized support for Z-movement
- Large open workspace with a fixed focus-detector distance of 135 cm
- Integrated cable management
- C-Arm dept of 55 cm
- Integrated Dose Area Product Meter (DAP)
- Acquisition station with large DICOM calibrated touch screen display

Canon · DelftDI Easy DR

Design Floor mounted X-Ray system
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Versatile solution for multipurpose examinations
- Multipurpose floor mounted X-Ray system
- Suitable for mobile installations (i. e. truck or container)
- Retractable anti-scatter grid
- Vertical and horizontal positioning of the U-arm
- Acquisition station with DICOM calibrated touch screen display

Canon · DelftDI Intuition DR

Design Ceiling-suspended DR system
Detector Canon CXDI-series, high resolution DR detectors
Table With floating table

Highlights
Versatile solution for all radiographic applications:
- Optimized workflow for high volume patient throughput
- High efficiency with RIS integrated workflow
- Lightweight manual Alpha, Beta, X- and Y-movement
- Motorized Z-movement, floating tabletop
- Smart Chest and table tracking
- Acquisition station with large DICOM calibrated touch screen display
- Easy to fit in low ceiling X-ray rooms

DMS / APELEM · Camargue HQ DR

Power 50 / 65 / 80 kW
Detector CsI or Gadox
Size 36 x 43 cm Wifi / 43 x 43 cm, 41 x 43 cm Fix

Highlights
The Camargue series was designed to ensure the best radiographic performance.
Several model are available:
- Manual ceiling suspension
- Auto tracking
- Fully motorized, 5 axes
- Variable height table

Different configuration available with:
- Only one portable detector wifi for table & VBS
- One portable detector wifi & flat panel detector
- 2 flat panel detectors

GE Healthcare · Discovery XR656 Plus

Power 50 / 65 / 80 kW
Detector a-Si, 41 x 41 cm, FlashPad
Pixel size 200 µm

Highlights
- High productivity through complete motorization
- Clinical flexibility through wireless FlashPad detector
- Possibility of detector sharing
- Table with high patient load up to 320 kg
- Optimized efficiency and diagnostic confidence through optional Advanced applications
- Advanced applications: VolumeRAD, Dual Energy, AutoPasting

GE Healthcare · Optima XR646

Power 50 / 65 / 80 kW
Detector a-Si, 41 x 41 cm, FlashPad
Pixel size 200 µm

Highlights
- Universally applicable, with robust table up to 320 kg patient load
- Flexible 3D ceiling suspension with tracking
- Clinical flexibility through wireless FlashPad detector
- Improved efficiency and diagnostic confidence through optional Advanced applications
- Advanced applications: Dual Energy, AutoPasting

GE Healthcare · Connexity

Power 65 / 80 kW
Detector a-Si, 43 x 43 cm
Pixel size 148 µm

Highlights
- System design with open, backside system access
- FFA variable 115 – 180 cm for max. investigation flexibility
- Patient convenience and safety through free patient access from four sides and height adjustment of the tabletop
- 43 x 43 cm flat detector
- Options: Wallstand, ceiling suspension with X-Ray tube and others

GMM · CALYPSO – Multifunctional DR system

Design Ceiling suspended-double detector system
Detector Fixed or portable
Table Adjustable height

Highlights
- Enhanced Direct digital radiology in Trauma, ER, routine and specialized examinations.
- Preset for two flat panel detectors either fixed or WiFi.
- Adjustable height examination table for easy and safe patient positioning.
- Exclusive interlocking technology ensuring automatic alignment of the X-ray source to the detector movement.
- Advanced digital system with optional stitching

GMM · CALYPSO F – Multifunctional DR system

Design Floor fixed system with double detector
Detector Fixed or portable
Size 35 x 43 cm and 43 x 43 cm

Highlights
- User-friendly solution for direct digital radiology.
- Adjustable height examination table floating in the four directions.
- X-ray tube column stand sliding on rails combined with examination table and wall stand.
- Column stand rotation around its vertical axis for an easy and safe execution of lateral projections.
- Advanced digital system for image acquisition and processing.

DIGITAL

Konica Minolta · AeroDR X50

Power 32 – 80 kW
Detector AeroDR CsI FPD 14" x 17" / 17" x 17" / 10" x 12"
Pixel size 175 µm

Highlights
- High image quality, low dose
- Compact
- Suits small rooms
- Optional stitching
- AeroDR detector can be used in table, wallstand or outside of bucky

Konica Minolta · AeroDR X70

Power 50 – 80 kW
Detector AeroDR CsI FPD 14" x 17" / 17" x 17" / 10" x 12"
Pixel size 175 µm

Highlights
- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive CS-7 console
- Can be installed in rooms with a minimal height of 2.5 metres

Konica Minolta · AeroDR HQ Range

System concept WLAN
Detector CsI scintillator 17 x 17", 14 x 17", 10 x 12"
Design Monocoque carbon fiber

Highlights
- Unique battery technology prevents overheating
- High quality images at a low dose
- Two second preview
- Durable design
- Lightweight, for light handling: 1.7 kg (10 x 12"), 2.9 kg (14 x 17"), 3.6 kg (17 x 17")
- High DQE CsI detector

Mecall · EIDOS 3000 – Single/ Dual FDP DR system

Detector Amorphous silicon
Resolution 143 µm
Size 43 x 43 cm; 35 x 43 cm WiFi

Highlights
- State-of-the-art system with single detector and removable auto-focusing grid
- Single end suspended and pivoting tabletop for easy treatment of patients on stretcher
- Full-length patient examination
- Advanced ceiling suspension with motorized movements
- Auto positioning features driven by anatomical programs
- Advanced image processor for perfect images at consistent low dose

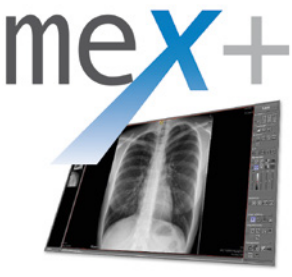
Mecall · KALOS – Single / Dual / Triple FPD DR system

Detector Amorphous silicon
Resolution 148 µm
Size 43 x 43 cm; 35 x 43 cm Wi-Fi; 24 x 30 cm Wi-Fi

Highlights
- Advanced elevating table with detector floating in the longitudinal and lateral directions
- Automatic alignment of the detector with the X-ray beam
- Useful radiographic area > 2 m including lateral projections
- Auto positioning features driven by anatomical programs
- Advanced image processor fully integrated into ceiling suspension touch screen

medical ECONET · meX+ Software

System concept X-ray Image Acquisition Software
Design Modern graphical user interface
Technology Including "Patient CD" and "DICOM send"" function



Highlights
Most sophisticated and user friendly image acquisition software "Made in Germany".
- Simple and perfect images at all time
- Integrated automatic image optimization
- Touchscreen function for easy operating
- Fully integrated radiographic positioning guide
- Bones and soft tissues in one image
- Adaption of almost every language possible
- Safe and fast registration of emergency patients

Mindray Medical · DigiEye 280 DR System

Power 30 kW / 50 kW
Detector Cesium Iodide Scintillator
Pixel size 140 µm
Size 35 x 43 cm; Portable

Highlights
- Integrated high voltage generator design
- The highest frequency generator 460 kHz
- Unique LEVELS image post-processing technology
- Limited installation requirement
- Detector auto-tracking Function
- Flexible configuration with portable detector

Mindray Medical · DigiEye 560 DR System

Power 65 kW / 80 kW
Design U-arm DR System
Detector FPD
Size 43 x 43 cm

Highlights
- Compact design less than 14 sqm for installation
- Fully-automatic and intelligent manual operation
- The highest frequency generator 460 kHz
- Unique LEVELS image post-processing technology
- One-Key and iKey positioning
- Touch screen control panel with all-functional remote control

Mindray Medical · DigiEye 760 DR System

Design Ceiling suspending DR system
Detector FPD
Pixel Size 143 µm
Size 43 x 43 cm

Highlights
- More Flexible Configuration than Your Expectation
- High Image Quality with Low X-ray Dose
- Fully-automatic and intelligent manual operation
- One-Key and iKey positioning
- Two dimensional auto-tracking and auto-centering
- Touch screen control panel with all-functional remote control
- Panoramic Imaging Technology

Philips · DigitalDiagnost – DR high performance room

Technology CsI Single plate
Resolution 8.2 Megapixel 2.84 k x 2.88 k image matrix 148 µm pixel size
Size 43 x 43 cm

Highlights
- Feel the power of the premium DR room
- High patient volume configuration for fast-paced hospitals and trauma environments
- Convenient workflow with the ergonomic moveable vertical stand
- Superb application variety with different detector options including wireless portable detector tray in table
- Philips wireless portable detector sharing to achieve improved cost efficiency and flexibility at the same time

Philips · DigitalDiagnost – DR value room

Technology a-Si, CsI-Scintillator
Resolution 7.1 Megapixel 3 k x 2.4 k image matrix 144 µm pixel size
Size 35 x 43 cm

Highlights
- Optimize value with the premium DR room
- Attractively priced configuration for a wide variety of applications
- Five amplimat chambers for the wireless portable detector may reduce the risk of incorrect exposure and repeated images
- UNIQUE image processing and Eleva user interface provide seamless procedures
- Philips wireless portable detector sharing to achieve improved cost efficiency and flexibility at the same time

Philips · DigitalDiagnost – DR flex room

Technology CsI Single plate
Resolution 8.2 Megapixel 2.84 k x 2.88 k image matrix 148 µm pixel size
Size 35 x 43 cm

Highlights
- Maximize flexibility with the premium DR room
- Single detector solution with comparable capabilities as multi-detector room set-ups
- Cover all the projections for a medium to high patient load – also in compact rooms
- System works around the patient for increased comfort
- Philips wireless portable detector sharing to achieve improved cost efficiency and flexibility at the same time

DIGITAL

Philips · DigitalDiagnost – DR chest room

Technology CsI Single plate
Resolution 8.2 Megapixel 2.84 k x 2.88 k image matrix 148 µm pixel size
Size 35 x 43 cm

Highlights
- The premium DR room dedicated for chest
- Superb chest image quality to support diagnostic confidence
- Automatic geometry movements reduce physical involvement of technologists
- Optional wireless portable detector broadens the application scope
- Philips wireless portable detector sharing to achieve improved cost efficiency and flexibility at the same time

Philips · DigitalDiagnost – wPD chest room

Technology a-Si, CsI-Scintillator
Resolution 7.1 Megapixel 3 k x 2.4 k image matrix 144 µm pixel size
Size 35 x 43 cm

Highlights
- Chest examinations and extremity work by tilting the detector in horizontal position
- 14" x 17" (35 x 43 cm) integrated wireless portable detector, five AEC chambers
- All kind of free exposures in the room by extracting the wireless portable detector, plus possibility to share the WPD with other systems
- Automatic geometry movements
- Eleva user interface and UNIQUE image processing for optimal image quality at the lowest dose

Philips · DigitalDiagnost – DR emergency room

Technology a-Si, CsI-Scintillator
Resolution 7.1 Megapixel 3 k x 2.4 k image matrix 144 µm pixel size
Size 35 x 43 cm

Highlights
- The premium DR room for emergency care
- Lessens interference with ER devices like tubes, catheters, oxygen
- Patients can be X-rayed without repositioning them
- Non cable-bound detector is advantageous as there are no extra cables to trop over
- Philips wireless portable detector sharing to achieve improved cost effi ciency and flexibility at the same time
- Optional wall stand with wireless detector tray

Philips · DigitalDiagnost - wireless portable detector

Technology a-Si, CsI-Scintillator
Resolution 7.1 Megapixel; 3 k x 2.4 k image matrix; 144 µm pixel size
Size 35 x 43 cm

Highlights
- The wireless portable detector is available with trays in the vertical stand and in the table plus as an additional detector with detector sharing functionality for all DigitalDiagnost configurations
- More flexibility: the wireless portable detector carries out even the most difficult projections at table, patient bed, wheelchair or trolley
- More efficiency: smooth digital workflow with rapid results at the Eleva workspot
- More freedom: convenient handling thanks to the wireless detector's cablefree design

Philips · wireless portable detector sharing

Technology a-Si, CsI-Scintillator
Resolution 7.1 Megapixel; 3 k x 2.4 k image matrix; 143 µm pixel size
Size 35 x 43 cm

Highlights
- Philips wireless portable detector sharing allows sharing detectors between Philips mobile units, premium radiography rooms and fluoroscopy rooms
- Lower initial investment while assuring a high level of fl exibility
- Back-up solution for continuous uptime
- Smart starting point for upgrades, i. e. adding more detectors to hospital departments in the future

Philips · DuraDiagnost Compact

Technology Quantmaster, High Stability Scintillator (GoS)
Resolution Matrix: 1,920 x 2,367
Size 35 x 43 cm, rotatable

Highlights
- Affordable digital radiography system with low cost of ownership
- Compact floor-mounted U-arm geometry
- Easy to operate manual system, which fits into small radiography rooms
- Customizable digital workfl ow with Eleva workspot
- Robust and reliable performance with Philips components
- Features Philips UNIQUE image processing

** Not available in the USA.*

Philips · DuraDiagnost Efficiency room

Technology Quantmaster, High Stability Scintillator (GoS)
Resolution Matrix 1,920 x 2,367
Size 35 x 43 cm, rotatable

Highlights
- Outstanding workflow efficiency in the exam room with two fixed detectors in one room
- Eleva UI and UNIQUE multi-resolution image processing
- Philips well proven generator, X-ray tube and detector ensuring diagnostic confidence
- Default SID positions facilitating fast positioning
- The "SmartOne" button allows the user to easily execute all related geometry movements

Philips · DuraDiagnost Focus room

Technology Quantmaster, High Stability Scintillator (GoS)
Resolution Matrix 1,920 x 2,367
Size 35 x 43 cm, rotatable

Highlights
- Cost-effective DR system providing affordable entry into DR workflow
- Eleva UI and UNIQUE multi-resolution image processing
- Philips well proven generator, X-ray tube and detector ensuring diagnostic confidence
- Dedicated DR room expands departmental flexibility
- The "SmartOne" button allows the user to easily execute all related geometry movements

PRIMAX International · RIVIERA DR

Power Up to 80 kW
Detector Wireless or fixed flat panel
Design Floor mounted column on rails

Highlights
- Fixed or variable height floating tabletop
- Last generation ultralight wireless flat panel
- Excellent image quality
- Easy to install
- Full touch interface
- Cost effective

DIGITAL

PROTEC · PEDS 600 (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different panel and scintillator versions, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- DR-System with digital flat panel detector
- PROVARIO HF generator (40 – 80 kW)
- Anatomical programs and AEC
- Variable SID 110 – 200 cm
- Rotatable U-arm – 30° up to +135°
- Rotatable DR-detector
- "Touch" version: high-end solution with integrated image acquisition through touch-display directly at the system (compare: PRS 500 F/E DR Touch)

PROTEC · PRS 500 F (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different single or dual panel systems, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- Integrated state-of-the-art touch concept
- Radiographic positioning aid directly at the system
- Patient selection, job selection and generator control at integrated touch-screen
- First preview at the system immediately after the exposure
- Outstanding ease of use due to ideal workflow, simple handling and the selection of the patient at the X-ray system directly

PROTEC · PRS 500 E (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different single or dual panel systems, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- PROVARIO HF generator integrated into the table (40 – 80 kW)
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Floating carbon fibre table top
- Adjustable height combined with undertable generator
- Fully digital DR-System with flat panel detector technology, different configurations from single to dual detector systems

PROTEC · PRS 500 X (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different panel and scintillator versions, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- Easy system handling and positioning due to its optimum weight counterbalance concept
- Maximum flexibility and workflow efficiency
- Outstanding variability and extensibility in case of changing application requirements (e. g. upgrading with extended floor-rail)
- Fully digital X-ray generator connection by CONAXX image acquisition software
- Also available as TOUCH Version (see PRS 500 F / E)

Roesys · X Fit

Power 50 / 65 kW

Highlights
The X Fit System consist of a Table with floating tabletop, a X-Ray tube column with longitudinal movement and a fixed wall stand. The System integrated power block consisting of generator, collimator and DAP measurement chamber.
The X Fit System is prepared for installation of Bucky´s or Flat Panel Detectors and has a mechanical synchronization of the X-ray source and Bucky Table.

Roesys · X Twin

Power 65 / 80 kW
Detector CsI, 43 x 43 cm
Motorized SID 100 – 200cm

Highlights
Multifunctional device with two stands for taking images on lying, standing and sitting patients includes an operating unit with all device functions, integrated collimator and X-ray tube. It is equipped with a motorized tracking control for automatic centering of detector and X-Ray-tube unit. In addition, you can adjust the X-ray tube individually by a telescopic extension.

Samsung · GC85A

Design Ceiling-suspended DR system
Detector Amorphous Silicon TFT / CsI / Wireless
Size 43 x 43 cm / 3,040 x 3,036 pixels
43 x 35 cm / 3,040 x 2,466 pixels
30 x 25 cm / 2,108 x 1,750 pixels

Highlights
- Smart Control for one-touch operation and flexible positioning
- Shared Bucky (S4335-W, S4343-W) for easy usage on a table
- S-Detectors (S4343-W, S4335-W, S3025-W) with high DQE
- S-Align for precise alignment
- S-Vue imaging engine for precise imaging
- S-Share for compatibility of S-Detectors
- Save-power Mode

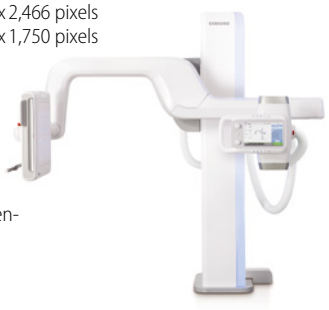
Samsung · GM60A

Design Mobile DR system
Detector Amorphous Silicon TFT / CsI / Wireless
Size 43 x 43 cm / 3,040 x 3,036 pixels
43 x 35 cm / 3,040 x 2,466 pixels
30 x 25 cm / 2,108 x 1,750 pixels

Highlights
- Motorized moving system
- S-Vue imaging engine for improved clarity
- S-Detectors (S4343-W, S4335-W, S3025-W) with high DQE
- S-Share compatibility
- Fine positioning buttons that enable handle-free
- Quick image acquisition for image previews

Samsung · GU60A

Design Universial-arm DR System
Detector Amorphous Silicon TFT / CsI / Wireless
Size 43 x 43 cm / 3,040 x 3,036 pixels
43 x 35 cm / 3,040 x 2,466 pixels
30 x 25 cm / 2,108 x 1,750 pixels



Highlights
- Remote Control that enables convenient movement of devices
- S-Vue imaging engine
- S-Detectors (S4343-W, S4335-W, S3025-W) with high DQE
- Smart Stitching for diagnostic convenience
- Auto Positioning for straightforward placement
- Collision Avoidance System
- Status Color Coding that enables users to readily view movement status
- 4-axis individual blade control that optimizes radiation dose

Shimadzu · RADspeed DR

Power 50 / 65 / 80 kW
Detector Flat panel detector (a-Si)
Pixel size 160 / 125 µm

Highlights
- Flexible choice of different flat panel detectors
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 17" x 17" (43 x 43 cm)
  14" x 17" (35 x 43 cm)
  9" x 11" (23 x 28 cm)

Shimadzu · RADspeed DR wireless*

Power 50 / 65 / 80 kW
Detector Flat panel detector (a-Si)
Pixel size 125 µm

Highlights
- New generation with wireless flat panel detector
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 17" x 17" (43 x 42 cm)
  14" x 17" (35 x 43 cm)
  14" x 11" (35 x 27 cm)

** System configuration available in selected countries only*

DIGITAL

Shimadzu · RADspeed Pro V4

Power 80 / 65 / 50 kW
Detector 17" x 17", 14" x 17"
Pixel size 139 µm

Highlights
- Fully integrated operation system
- Flexible and easy to use X-ray tube support
- Various FPD line-up: 17" x 17" / 14" x 17" (portable wired, wireless)
- Synchronized functions: auto positioning, auto tracking, auto collimation, speed stitching
- Comprehensive dose management

Shimadzu · RADspeed Pro EDGE

Power 50 / 65 / 80 kW
Detector 43 x 43 cm integrated, 43 x 35 cm portable
Pixel size 150 µm

Highlights
- High-performance digital radiographic system with extended functionality
- Tomosynthesis (Digital multi-slice tomography)
- Auto-stitching (Speed Stitch function)
- Dual Energy Subtraction
- Auto-positioning
- Innovative flat panel detectors for increased versatility
- Low dose collimator with auto-filtering feature

Siemens · Multitom Rax

Design Ceiling-mounted robotic tube **and** detector
Detector a-Si / CsI
Size RAX detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
The world's first Twin Robotic X-ray scanner enables streamlined clinical pathways while improving diagnostic insights and treatment.
- Offers a multitude of X-rays – in just one room
- Lets you see reality with natural Real 3D – for the first time
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity
- Is future-proof – with Twin Robotic X-ray

Siemens · Ysio Max

Power 65 / 80 kW
Detector a-Si / CsI
Size MAX wi-D 43 x 35 cm, MAX mini 24 x 30 cm, MAX static 43 x 43 cm, all 148 µm

Highlights
Ysio Max – the most direct way to the image.
- Unique simultaneous FAST movement in 6 axes
- MAXalign: makes free exams dramatically faster and easier
- MAX wi-D: only 3 kg, just 19 mm thin, image preview within 2 seconds
- MAX mini: the right size for orthopedic, pediatric and trauma exams
- MAXswap: the right way to share detectors with a safe, quick and easy one-click registration

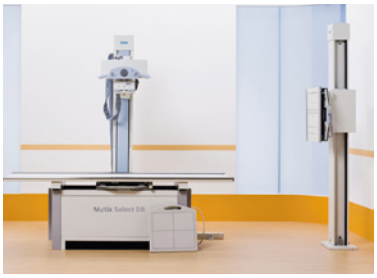
Siemens · Multix Fusion

Power 55 / 65 / 80 kW
Detector a-Si / CsI or a-Si / GOS
Size CsI: 35 x 43 cm (wireless), 139 µm or 43 x 43 cm (fixed), 148 µm; GOS: 43 x 43 cm (fixed), 148 µm

Highlights
- High quality key components adapted from Ysio Max
- Outstanding images enhanced by DiamondView Plus
- Advanced automation - Fast and easy positioning with tube tracking
- Flexible system configurations with up to two detectors for your individual needs
- GuidedOrtho – easy to use guidance and automation to acquire and compose long leg and long spine images

Siemens · Multix Select DR

Power 55 kW
Detector aSi / GOS
Size 35 x 43 cm, 139 µm



Highlights
- Robust mobile flat detector to cover the full spectrum of clinical applications
- Imaging system from Siemens' high-end product line (e. g. Ysio Max, Multix Fusion) enhanced by DiamondView Plus
- Intelligent automation with organ preset programs to speed setup and improve reproducibility
- High system reliability and availability
- Economical minimum space requirement of only 11 sqm with an integrated generator

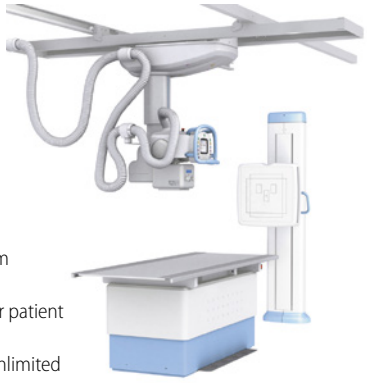
STEPHANIX · RAD Series Pro DReam

Design Customizable floor tubestand RAD room
Technology Up to 3 Flat Panel Detectors, indirect conversion
Detector Fixed and wireless solutions

Highlights
- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 250 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities

STEPHANIX · Xtreme DReam

Design Customizable ceiling RAD room
Technology Up to 3 Flat Panel Detectors, indirect conversion
Detector Fixed and wireless solutions



Highlights
- Manual, vertical tracking or autopositioning version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities

STEPHANIX · Statif Pro DReam

Design Universal autocentred C-arm DR unit
Detector Full-field or portable flat panel detector
Motorized Automatic positioning, collimation, filtration, parameters
Table Optional carbon or elevating tabletop, on wheels

Highlights
- Low footprint for wide range of procedures at standing, sitting or lying patient
- C-arm shaped for cross exams
- Autopositioning regarding each protocol
- Automatic and virtual collimation, additional filtration
- User-friendly interface
- Wireless remote

STEPHANIX · Statif DReam

Design Cost-efficient universal autocentred DR unit
Detector Full-field or portable flat panel detector
Table Optional carbon or elevating tabletop, on wheels

Highlights
- Multipurpose DR solution for small budgets
- It can be dedicated to chest and extremities examinations
- Low footprint for wide range of procedures at standing, sitting or lying patient
- Manual or motorized (SID and vertical movement)
- User-friendly interface

Swissray · ddRFormula Plus

Power 65 / 80 kW
Detector a-Si CsI, 43 x 43 cm
Pixel size 148 µm

Highlights
- Fully automated Positioning System (APS) for highest patient throughput
- 1,296 pre-programmed APR's
- Hand held remote control
- Superb diagnostic IQ with heigh contrast details
- Single Focus eXpertStitching function for orthopedic imaging
- Multi language capability
- Off-center and off-detector imaging capability
- Integrated video camera to monitor patient and ensure positioning

Swissray · ddRElement

Power 50 / 65 kW
Detector a-Si CsI, 43 x 43 cm
Pixel size 148 µm

Highlights
- Space efficient, multifunctional DR system fits into small X-ray rooms
- 43 x 43 cm flat panel detector delivers superb image quality within seconds
- Multiple language capability
- Robust and reliable design
- Easy and intuitive to use, includes digital positioning guide
- Off-center and off-detector imaging capability
- Workflow optimization through advanced eXpert and SwissVision user interface

DIGITAL

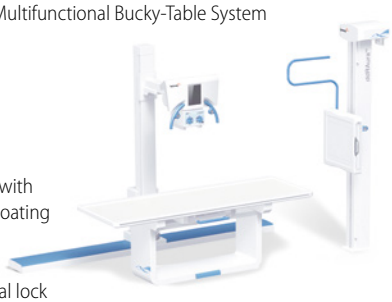
Swissray · ddRAura_OTC

Power 50 / 65 / 80kW
Detector a-Si CsI, 43 x 43 cm and 35 x 43 cm WIFI
Pixel size 148 µm
System concept Automated Ceiling suspension DR-System

Highlights
- Versatile ceiling suspension DR-System with height adj. floating table top
- Ergonomic handles and multi-directional lock release buttons
- Wall stand optionally tiltable
- 9.7" touch-screen console on tube side
- Auto tracking, sensing table and wall stand or fully automated
- Rotational bucky with on-board charging of detector
- 5-field AEC
- Patient registration to image storage in just 3 steps
- Stitching up to 5 images

Swissray · ddRAura-FMTS

Power 50 / 65 / 80 kW
Detector a-Si CsI, 43 x 43 cm and 35 x 43 cm WIFI
Pixel size 148 µm
System concept Multifunctional Bucky-Table System



Highlights
- Floor mounted DR-System with fixed or height adjustable floating table top
- Tubestand with ergonomic handles and multidirectional lock release buttons
- Wall stand optionally tiltable
- 9.7" touch-screen console on tube side
- Auto tracking and sensing table and wall stand
- Rotational bucky with on-board charging of detector
- Patient registration to image storage in just 3 steps
- Manual stitching up to 5 images

Toshiba Electron Tubes & Devices · FDX 2530 RPW

System concept Wireless flat panel detector
Detector CsI / Tl, 25 x 30 cm
Pixel size 140 µm

Highlights
- Wireless compact FPD
- Incorporates Toshiba's proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- Automatic switching between wireless/tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Lightweight: 1.7 kg
- AED available
- Compact and lightweight battery recharger

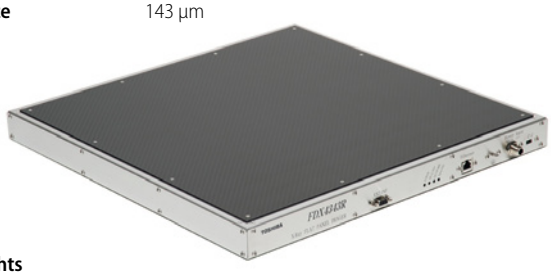
Toshiba Electron Tubes & Devices · FDX 3543 RPW / FDX 4343 RPW

System concept Wireless flat panel detector
Detector CsI / Tl, 43 x 43 cm, 35 x 43 cm
Pixel size 140 µm

Highlights
- Wireless type Portable FPD
- Incorporates Toshiba's proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- Standard cassette size
- Automatic switching between wireless / tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Compact and lightweight battery recharger

Toshiba Electron Tubes & Devices · FDX 4343 R

System concept Static flat panel detector
Detector CsI / Tl, 43 x 43 cm
Pixel size 143 µm



Highlights
- Toshiba's proven advanced fine CsI / Tl and direct deposition technologies provide high DQE and excellent resolution.
- The reflective coating in the CsI / Tl screen provides high sensitivity.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- Prompt display of preview / full images and short cycle time enable fast image acquisition.

Toshiba · Radrex-i

Power 80 kW
Detector a-Si / CsI
Pixel size 139 µm

Highlights

This digital radiography system is a new-concept system that permits radiography to be performed easily and with greater accuracy. In this system, the operating sections for the digital image processor and the X-ray high-voltage generator are integrated, and the use of an integrated panel improves workflow.

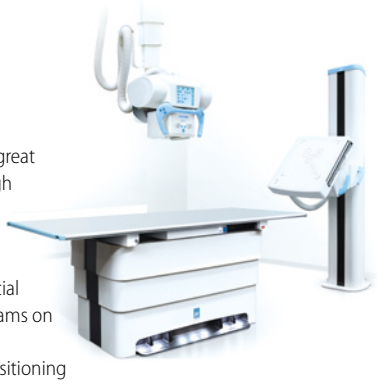
VILLA SISTEMI MEDICALI · Armonicus

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 43 x 43 cm
Pixel size 143 µm

Highlights
- Cost-effective DR U-arm system for extended use, including general radiographic and orthopedic studies
- Easy patient positioning via APR functions
- Auto-positioning capabilities according to RIS procedure codes
- Touch screen control panel, secondary keyboard and infrared remote control as standard
- Variable Source to Image Distance up to 180 cm
- On-board parking station for two grids

VILLA SISTEMI MEDICALI · Moviplan iC with ceiling suspension

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm or 43 x 43 cm
Pixel size 100 µm or 143 µm



Highlights
- High-end solution allowing great application flexibility and high production capacity
- Touch Screen interface integrated on tube-head
- Tiliting chest stand with special horizontal positioning for exams on mobile stretchers
- Rapid and precise system positioning thanks to full auto-tracking and autopositioning
- Available with stitching and dual energy functions

VILLA SISTEMI MEDICALI · Moviplan iC with floor-mounted column

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm or 43 x 43 cm
Pixel size 100 µm or 143 µm

Highlights
- Innovative design with no unsightly cables
- Anti-collision system and reduced thickness rails
- Table commands with distinctive "light barrier"
- Touch Screen interface integrated on tube-head for immediate inputs
- No patient limitation thanks to high weight capacity
- Electronic tomography with free selection of angle
- Available with stitching, auto-positioning, dual energy functions

Wandong · New Oriental 1000

Power 50 kW
kV Range 40 ~ 150 kV
Detector 43 x 43cm (17 x 17")
Resolution 3.6 lp / mm

Highlights
- High frequency 50 kW generator
- Classical mechanical structure for all needs of clinical application
- Large LCD touch screen table-side control
- X-ray tube auto tracking with the vertical bucky
- 600 APR programs
- Fixed or portable 17 x 17" FPD
- InvaRay digital imaging platform with DICOM 3.0 compliance

Wandong · New Oriental 1000 Fully Automatic

Power 80 kW
Detector 43 x 43 cm FPD
Pixel size 143 um

Highlights
- 80 kW high frequency generator
- Advanced FPD detector
- Ceiling suspending structure meet all kinds of clinical needs
- 5 axis electric moving and control
- Advanced patient protection technology
- More than 600 APR programs, user definable
- Tube and detector auto-tracking function
- Programmable fast position switch
- High acquisition speed
- Remote control available

Wandong · New Oriental 1000 U-arm DR

Power 50 KW
kV Range 40 – 150 kV
Detector 17 x 17" FPD

Highlights
NEW ORIENTAL 1000 U-arm DR is a versatile digital X-ray system to meet customer demands of digital diagnosis. Less dose and faster acquisition.
- High frequency 50kW Generator
- 600 APR Programs
- 17 x 17" FPD
- Compact U-arm structure with motorized rotation and vertical movement is an ideal solution for inadequate installation space
- InvaRay digital acquisition with DICOM 3.0 compliance

DR RETROFIT

Agfa HealthCare · DX-D 30 Retrofit

Size 46 x 38,4 x 1.5 cm
System concept Wireless
Detector Cesium Iodide (CsI) detector conversion screen
Pixel size 125 µm

Highlights
- Detector is the size of a cassette, for maximum convenience and portability
- MUSICA processing for superior contrast detail and exam-independent, consistent image quality
- Improves workflow and exam speed
- Superior connectivity to PACS, HIS / RIS and imagers
- Cesium Iodide (CsI) detector conversion screen
- Small pixel size gives more image information, for improved diagnostic effectiveness

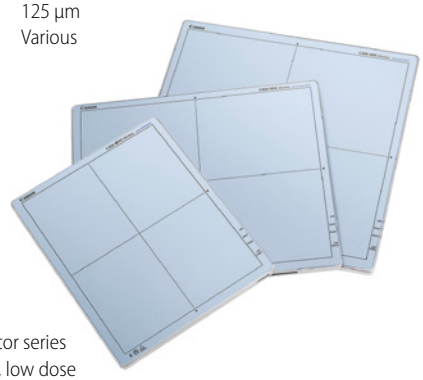
Canon · Canon DR-Upgrade-within-2-minutes

System concept DR Upgrade within 2 minutes
Design 2 components
Resolution 125 µm
Cassette size 43 x 42 cm, 35 x 43 cm, 27.4 x 35 cm

Highlights
Easy upgrade solution for any X-ray system in two minutes using just two components
- No connections or modifications to your existing X-ray system is necessary
- With CXDI-401C / 701C / 801C Wireless Flat Panel Detectors
- Optional USB DAP-meter for dose registration
- DR Upgrade within 2 minutes. Freedom within reach

Canon · CXDI-401C / 701C / 801C Wireless

Technology Cesium Iodide Scintillator
Resolution 125 µm
Size Various



Highlights
Wireless flat panel detector series
- Lighter, high resolution, low dose
- Easy upgrade with just two components
- Includes Non-Synchronized exposure
- Preview image time in 3 s
- Sophisticated image processing with optional Scatter Correction software
- Detectors are interchangeable between rooms

DMS / APELEM · EZ2GO

Design DR upgrade mobile in 2 minutes
System concept 2 components
Detector 36 x 43 cm or 24 x 30 cm

Highlights
- Connect up to 3 wifi flat panel detectors
- Image preview in 2 s and image acquisition in 4 s
- 8 h battery / autonomy
- The cassette size of the detector allows upgrade everywhere in the hospital
- Ideal for control exams for bedridden patients
- The lightiest solution of the market (3.9 kg tablet & detector)

General Medical Italy · GAMMA

Detector 36 x 43 Wireless
Image system Deluxe Software

Highlights
GAMMA retrofit Kit upgrades analog X-ray equipment to Direct Radiography easily and cost-effectively, ensuring all the advantages of a digital system: digital FPDs fitting into standard Bucky devices replace CR cassettes for an outstanding image quality at a low dose while DELUXE acquisition software enables full DR workflow, advanced image processing, export, print and DICOM storage.

Konica Minolta · AeroDR Premium

Cassette size 14 x 17" / 35 x 43 cm
Technology WLAN
Detector CsI scintillator

Highlights
- Lightweight, only 2.6 kg
- Improved cycle time for increased throughput
- Robust: surface load of 300 kg
- AED – Hybrid detection technology
- Waterproof IPX6, this makes the detector suitable for more extreme environments
- Konica Minolta's unique capacitor technology: quick charging (30 minutes), no overheating

Konica Minolta · AeroDR 2S

Technology WLAN
Cassette size 14 x 17" / 35 x 43 cm
Detector CsI scintillator

Highlights
- Konica Minolta's lightest 14 x 17" detector on the market at just 2.5 kg
- Robust, IPX6 waterproof, carbon monocoque housing
- Full image acquisition within four seconds only
- Charging time of only 13 minutes
- AeroSync

medical ECONET · meX+1717SGC/SCC

Detector Wired
Technology Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Cassette size 460 x 460 x 15.5 mm, 4.4 kg
Pixel size 3,328 x 3,328 pixels, 127 µm

Highlights
- Digital retrofit panel for stationary use
- AED function (Automatic Exposure Detection)
- Largest imaging of 430 x 430 mm allows examination of several bodyparts in one shot
- Ultra-flat (15.5 mm) DR detector with same size as film cassette or CR image plate
- Highest image resolution by decreased radiation dose
- Low weight and quick acquisition time of 7 seconds

medigration GmbH · DR Retrofit-Kit DX|Vision

Pixel size 148 µm, 16 bit
Detector a-Si, CsI Pixium, 35 x 43 cm
System concept Wireless, portable detector with WLAN and Battery

Highlights
Your upgrade to fully digital radiography
- Easy integration into an existing X-ray system
- 100 % touch-capable user interface
- Cordless and lightweight wireless flat panel detector
- For the use with mobile X-ray systems
- Auto-trigger mode (AED function) – No need to synchronise with the generator
- Excellent image quality through an integrated operating program with HARMONY image processing

PROTEC · RAPIXX tethered / mobile detectors

System concept Portable, tethered
Detector 43 x 36 cm (ISO 4090 compliant), different scintillator versions
Pixel size e. g. 139 µm

Highlights
- 16 bit dynamic range
- Cable connection, lightweight: 3.7 kg
- Predestined for simple retrofitting of existing X-ray units due to dimensions equal to conventional X-ray cassette
- High shock tolerance and water resistant portable flatpanel detector
- Interface box, power supply and CONAXX 2 image acquisition software included in standard delivery – fully DICOM compatible for integration to PACS

PROTEC · RAPIXX fix installed detectors

System concept Stationary, tethered
Detector 43 x 43 cm, different scintillator versions
Pixel size e.g. 139 µm

Highlights
- 16 bit dynamic range
- Cable connection
- Minimal cycle time: 6 s
- For integration and upgrade into existing conventional X-ray units / intended for constant mounting in a X-ray unit
- Interface box, power supply and CONAXX 2 image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

DR RETROFIT

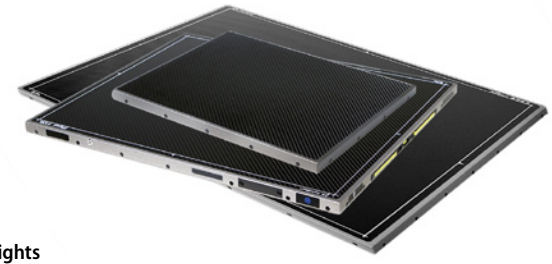
PROTEC · RAPIXX WiFi detectors

System concept Wireless, portable detectors
Detector 43 x 36 cm or 43 x 43 cm, different scintillator versions
Pixel size e. g. 127 µm

Highlights
- Complete set of wireless detector incl. two batteries, CONAXX 2 DR-software (X-ray generator connection as option)
- Detectors are ISO 4090 compliant, existing bucky can be used for DR retrofit
- Just one flatpanel required for integration into bucky table + wall stand
- 16-bit dynamic range and high DQE for excellent image quality in 3 sec
- Lightweight: < 3.0 kg

Roesys · X Vision med

System concept Mobile / fix
Detector CsI
Pixel size 143 µm / 100 µm
Design Digital radiography upgrade



Highlights
- X Vision med is a carefully selected package with hardware and software
- For an initial installation or post hoc conversion of conventional X-ray facilities
- For use in direct digital radiography
- With an X-ray detector corresponding to the needs combined with a suitable generator, X-ray tube and stand a powerful system can be put together

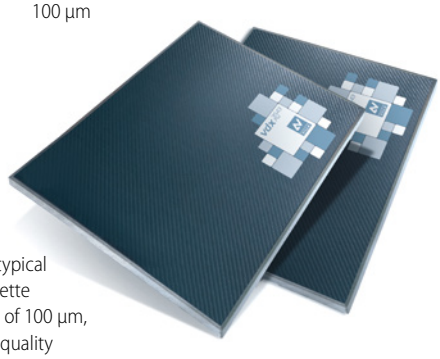
Toshiba Electron Tubes & Devices · FDX 3543 RP

System concept Portable flat panel detector
Detector CsI / Tl, 35 x 43 cm
Pixel size 143 µm

Highlights
- Toshiba's proven advanced fine CsI / Tl and direct deposition technologies provide high DQE and excellent resolution.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- Compact and lightweight for easy handling
- Standard cassette size
- Prompt display of preview/full images and the short cycle time enable fast image acquisition.

VILLA SISTEMI MEDICALI · VDX 3543PW

System concept Wireless
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 100 µm



Highlights
- Complete cordless positioning freedom, typical of a conventional cassette
- Outstanding pixel size of 100 µm, for the highest image quality
- Auto-triggering mode: the detector automatically synchronizes the acquisition once the X-ray source starts the emission
- System equipped with battery charger and two batteries as standard
- Enhanced productivity with Dicom classes compatibility

VILLA SISTEMI MEDICALI · VDX 3543TC

System concept Wired
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 143 µm

Highlights
- Portable lightweight design flat panel fitting into existing bucky without modification
- Increased workflow
- Cost-effective solution, integrating a tether cable for both detector powering and image transferring
- Easy handling from chest stand to bucky table for upright, in-table, lateral and out of bucky exposures
- Enhanced productivity with Dicom classes compatibility

MOBILE DR

Agfa HealthCare · DX-D 100+ (mobile)

Motorized	Up to 4 km / h
Technology	Wireless - Amorphous Silicon Detector (a-Si)
mAs Range	100 – 500 mA selectable
kV Range	40 to 150 kVp

Highlights

- Easy operation, security and precision of all patientrelated positioning movements
- MUSICA processing provides superior contrast detail and consistent, exam independent image quality
- Fully motorized, with superior battery capacity due to split battery concept
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Wireless and tethered detectors available

Canon · DelftDI Mobile DR

Detector	Canon CXDI-series, high resolution DR detectors
Resolution	125 µm
Power	32 kW
Motorized	Motorized collapsible column support

Highlights

Setting a new standard in mobile X-ray

- Up to 200 kg lighter and super compact
- High power 32 kW IEC guarantees short exposure times
- Advanced new battery technology "X-tech cell" charging 6 times faster than competitors
- Height and reach adjustable drive handle
- Collapsible column is 20 cm lower than competition providing clear forward visibility
- Integrated battery charger for Canon wireless flat panel detectors

DMS / APELEM · RAFALE B EZ

Power	32 kW
Detector	35 x 43 cm
kV Range	40 to 125 kV
mAs Range	0.1

Highlights

The Rafale B is a battery powered mobile X-ray unit featuring the EZ detector and integrated acquisition station which suits a wide range of clinical applications. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms.

GE Healthcare · Optima XR220amx

Motorized	Yes
Power	15 / 30 kW
kV Range	50 – 125
mAs Range	0.2 – 630

Highlights

- Easy to use with one hand
- Easy positioning between the beds – only 56 cm wide
- Wireless FlashPad detector with UWB connectivity for secure and fast data transmission
- Imaging possible during charging

GE Healthcare · Optima XR200amx

Motorized	Yes
Power	15 / 30 kW
kV Range	50 – 125
mAs Range	0.2 – 630

Highlights

- Investment protection through upgradeability with wireless detector
- Detector choice: GE FlashPad detector or Konica Minolta AeroDR detector
- Motorized variable speed
- Easy positioning between the beds – only 56 cm wide
- Imaging possible during charging

General Medical Italy · PI 30

Detector	36 x 43 Wireless
Image system	Deluxe Software
Power	32 kW

Highlights

PI is a family of x-ray mobile systems aimed to fullfill a wide range of clinical applications. The compactness and maneuverability of the unit enable the operator to drive it easily and allow accurate positioning between patient beds. PI series includes: battery-powered, analog, also with rotating arm, and digital version, with portable flat panel device and Deluxe digital image acquisition software.

MOBILE DR

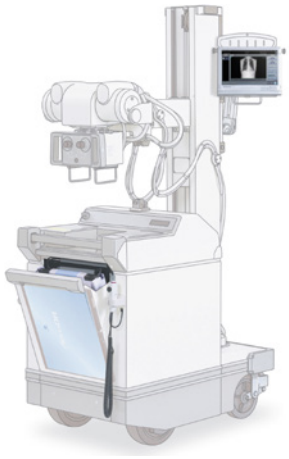
Konica Minolta · AeroDR X30

Power	20, 32, 40, 50 kW
kV Range	40 – 150 kVp
mAs Range	Up to 500 mAs
Detector	CsI Scintillator

Highlights
- Fully integrated digital mobile X-ray system
- Completely motorized and very easy to manoeuvre: can be controlled with one hand
- The AeroDR detector can easily be stored and at the same time automatically charged in the bin, even during driving
- 100 % wireless communication for effortless usage at patient's bedside
- Retractable, telescopic column
- Detector sharing with X-ray rooms

Konica Minolta · AeroDR Portable Solution

System concept	WLAN
Detector	AeroDR CsI FPD 10" x 12" / 14" x 17" / 17" x 17"
Pixel size	175 µm



Highlights
- Easy upgrade of existing portable unit to DR
- Improves your workflow
- Wireless
- Portable CS-7 console for image checking on the spot
- Preview in three seconds
- AeroDR detector sharing between portable unit and X-ray room

medical ECONET · meX+100

Power	5 kW, 110 kV / 100 mA
Size	254 x 225 x 423 mm, 19.6 kg
mAs Range	0,1 – 100 mAs in 40 steps
kV Range	40 – 110 kV in 1 kV steps

Highlights
- High-performance capacitor for stable and reliable power supply
- Equipped with remote control functions by hand switch
- LED display for set up up of kV and mAs
- Constant X-ray output without influence of line power fluctuation
- 750 pre-set technique slots (PROM memory)
- Automatic line voltage compension

medical ECONET · mex+1012WCA

Detector	Wireless
Technology	Cesium-Iodide (CsI)
Cassette size	395 x 337 x 18 mm (without handle), 3.6 kg
Pixel size	2,080 x 2,560 pixels, 127 µm

Highlights
- WIFI Complete wireless solution with high performance Li-ion battery
- AED function (Automatic Exposure Detection)
- AP MODE Direct wireless communication between detector and workstation
- Excellent image quality due to Amorphous Silicon with CsI-Scintillator
- Great Advantages for outdoor radiography and mobile applications
- Exchangeable positions of handle bar
- Acquisition time 7 seconds

medical ECONET · meX+1417PGA/PCA

Detector	Wired
Technology	Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Cassette size	460 x 417 x 15.9 mm (without handle), 3.6 kg
Pixel size	3,268 x 2,756 pixels, 127 µm

Highlights
- AED function (Automatic Exposure Detection)
- Suitable for mobile and stationary use
- Ultra-thin DR flat panel with same size as film cassette or CR image plates
- Available with Gadox or CsI scintillator
- Superb-crystal image resolution and fast acquisition time of 7 seconds
- Large imaging area (36 x 43 cm) for all general radiographic examinations

medical ECONET · meX+1417WGC/WCC

Detector	Wireless
Technology	Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Cassette size	384 x 460 x 15.4 mm (without handle), 3 kg
Pixel size	2,756 x 3,268 pixels, 127 µm

Highlights
- WIFI Complete wireless solution
- AED function (Automatic Exposure Detection)
- AP MODE Direct Wireless communication between detector and workstation
- Ultra-thin DR flat panel with same size as film cassette or CR image plates
- Available with Gadox or CsI scintillator
- Superb-crystal image resolution and fast acquisition time of 7 seconds
- Suitable for mobile and stationary usage

medical ECONET · meX+20

Power 1,6 kW, 100 kV / 20 mA
Size 220 x 200 x 352 mm, 9.8 kg
mAs Range 0,3 – 50 mAs in 22 steps
kV Range 40 – 100 kV/20 mA in 1 kV steps

Highlights
- Light weight, compact size and durable cover
- LED collimator light
- High frequency technology enables clean diagnostic images
- Equipped with remote control functions by hand switch
- Stable X-ray output with lowest ripple
- User-friendly handle bar for outdoor usage
- Constant X-ray output without influence of line power fluctuation
- Strong body against external shock

medical ECONET · meX+20BT lite

Power 1,6 kW, 90 kV / 20 mA (battery powered)
Size 203 x 174 x 307 mm, 7.2 kg
mAs Range 0,4 – 20 mAs in 25 steps
kV Range 50 – 90 kV in 1 kV steps

Highlights
- Hybrid system (device can be operated by battery or external power supply)
- LED collimator light
- High performance lithium-ion polymer battery
- Up to 560 exposures by just one charging
- Fully charge only within 4 hours
- Great advantage for outdoor radiography
- Strong body against external shock and contamination
- Exclusive remote controller using by hand switch

medical ECONET · meX+40

Power 2,4 kW, 100 kV / 35 mA
Size 250 x 195 x 355 mm, 12.8 kg
mAs Range 0,4 – 100 mAs in 25 steps
kV Range 40 – 100 kV in 1 kV steps

Highlights
- Universal unit with high power for various radiography applications
- LED collimator light
- Light weight and compact size
- 8 pre-set technique slots (PROM memory)
- Exclusive remote control functions by hand switch
- Strong body against external shock and contamination
- Stable X-ray output with lowest ripple
- User-friendly handle bar for outdoor usage

medical ECONET · Mobile X-ray table and bucky stand

Size Table: 200 x 70 x 72.8 cm, 49 kg
Stand: 59 x 45.4 x 206 cm, 10 kg

Highlights
- Collapsible X-ray table for maximum mobility
- Integrated bucky and grid holder moveable
- Easy to clean and desinfectant proof
- For all cassette sized detectors or CR plates
- Optional: transport case
- Collapsible bucky stand for thorax and all standing X-ray images
- For all cassette sized detectors or CR plates
- Easy to clean and desinfectant proof
- Detector holder vertically moveable

medical ECONET · POX-100BT

Power 5 kW, 110 kV / 100 mA / battery powered
Size 633 x 1,364 x 748 mm, 140 kg
mAs Range 0,1 – 100 mAs in 40 steps
kV Range 40 – 110 kV in 1 kV steps

Highlights
- HYBRID device can be operated by internal battery or external power supply
- Powerful 5 kW and 100 mA
- Functional design for mobile application
- Smooth movement with dirigible wheels
- User-friendly LED-operation panel
- 30 pre-set technique slots (PROM memory)
- Optional: Mounting kit for tablet PC
- Foldable and easy to transport

medical ECONET · PXMS-2010

System concept Mobile stand
Size Maximum height: 210 cm
Technology Gas spring technology

Highlights
- Mobile stand for meX+100
- Easy handling by gas spring technology
- Folding and easy to transport
- Max. height of 210 cm

MOBILE DR

Mindray Medical · MobiEye 700 Mobile DR System

Detector CsI +TFT 35 x 43 cm
kV Range 40 – 150 kV
Power 30 kW / 50 kW
Pixel size 140 µm

Highlights
- Marvelous Mobility with intelligent operation
- Bionic design manipulator with eight high flexible mechanical joints
- Superior Power management technology
- Remote motion control and remote exposure control
- 19 Inch Multiple-touch Screen
- Lighter and smaller
- High reliability and compatibility
- Detector auto-charging

Philips · MobileDiagnost wDR

Power 20 kW or 40 kW
kV Range 40 - 150
mAs Range 0.1 - 500

Highlights
- Superb quality and full effi ciency of Philips premium digital radiography rooms all packed into a flexible and easy to maneuver mobile X-ray system
- Access to all hospital and anatomical areas with a flexible system especially suited for acute areas
- Excellent efficiency and workfl ow with intuitive system handling
- Rapid, high-quality images within seconds to facilitate fast diagnoses
- Philips wireless portable detector sharing to achieve improved cost efficiency and flexibility at the same time
- Available with a 20 kW or 40 kW generator

PRIMAX International · RAYBOW DR

Power 40 kW
Detector Wireless ultralight generation flat panel
System concept Battery powered, manual or motorized movement

Highlights
- Light weight unit for easier displacement
- Manual or motorized with "dead man" braking system
- Arm rotation around vertical axis
- User friendly touchscreen interface
- Wireless image transmission
- Image export via DICOM CD or USB key
- DICOM 3

PROTEC · PROSLIDE 32-DR TOUCH

Power 32 kW
Detector different panel and scintillator versions
Pixel size e. g. 139 µm

Highlights
Fully digital mobile DR X-ray System, key features:
- Optimized for maximum dose reduction with high end DR-detector
- Premium system – 22" Touch Monitor
- High quality 32 kW generator allows a wide range of exposures
- Innovative design for ultimate flexibility in digital X-ray imaging
- Complete glass cover with perfect hygienic front in tablet pc design

Shimadzu · MobileDaRt Evolution EFX

kV Range 40 – 133 kV
Power 32 kW
Detector CsI
Pixel size 125 µm

Highlights
- New high-sensitive FPD generation
- Dual connectivity of FPD for maximum efficiency
- X-ray images with 2 seconds
- WLAN connectivity
- Easy and advanced operating functions
- mAs range: 0.32 – 320
- Imaging area: 17" x 17" (43 x 42 cm)
  17" x 14" (43 x 35 cm)
  14" x 11" (35 x 27 cm)
- Energy saving collimator with a bright irradiation field through LEDs

Shimadzu · MobileDaRt Evolution EFX – pediatric version

kV Range 40 – 133 kV
Power 32 kW
Detector CsI
Pixel size 125 µm

Highlights
- High sensitive wirelesss FPD type CXDI-801C (CsI, 14" x 11")
- Handling benefit through easy placement, i. g. in standard incubators
- X-ray images within 2 seconds
- Easy and advanced operating functions
- Energy saving collimator with a bright irradiation field through LEDs
- Fully DICOM compliant
- WLAN connectivity
- mAs range: 0.3 – 320

Siemens · Mobilett Mira Max

Design High-end, fully digital mobile X-ray system
Power 35 kW, 450 mA (max)
kV Range 40 – 133

Highlights
Your mobile imaging companion.
- Flexible to meet your challenges – exceptional arm range and precise movements
- MAX image quality in every situation – low-weight MAX detectors and high imaging power
- Always ready to assist you – unique charging concept and multiple detector swapping options
- Ready-to-go design (works from mains power even when batteries are empty)
- Giraffe design as an option

STEPHANIX · MOVIX 4 / 8 DReam

Power 4 / 8 kW
Design Foldable and transportable in a dedicated case
kV Range Up to 125 kVp

Highlights
- Lightweight, less than 100 kg
- Design for in /outdoor operation
- Well-suited for applications at patient bedside, traumatology, paediatrics
- Foldable system easy to store and to transport on field
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Secondary generator control console on monoblock tube head
- Shareable solution

MOBILE DR

STEPHANIX · MOVIX Series DReam

Power From 20 to 50 kW
Technology Batteries powered high frequency generator
kV Range Up to 150 kVp
mAs Range Up to 500 mAs

Highlights
- New ultra-compact and light design
- Motorized up to 5 km / h
- Independent from mains, only for batteries loading
- Telescopic column and arm, offering wide range of movements for easy positioning
- X-ray tube with rotating anode, thin dual focal spots and high heat capacity
- Color LCD touch screen 17"
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Shareable solution

Swissray · ddRCruze Plus

Power 32 / 40 / 50 kW
Detector a-Si CsI, 35 x 43 cm WiFi, 2.8 kg
Pixel size 148 µm
System concept 2nd workstation

Highlights
- Easy to maneuverable motorized mobile X-ray system with variable speed
- 40 to 150 kV and 0.1 to 500 mAs output power
- Convenient and fast image acquisition from the bedside, the OR, ICU or ER room
- Includes second monitor for quick image review
- Built in navigation-camera to overview the way you drive
- Lightweight WIFI portable detector delivers superb IQ and maximum workflow efficiency

Technix · TMB 400 / TMB 400 DR

System concept Battery mobile X-ray unit
Motorized Yes
Power 40 kW
Detector Tethered or wireless FPD, also in pediatric size

Highlights
- Battery-motorized unit for easy maneuvering and bedside positioning
- Battery powered X-ray exposures
- Two different versions: analog and digital
- X-ray Housing IAE C31
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity+WLAN
- Interfaceable with multiple detectors and imaging software

MOBILE DR

Technix · TMS 320 / TMS 320 DR

System concept Mobile X-ray unit
Design Compact design, lightweight
Power 32 kW
Image system Available in AR and DR configuration

Highlights
- Light and maneuverable unit with small footprint for easy positioning at the patient's bed
- Available in two versions: digital version "TMS 320 DR" and analog version "TMS 320"
- Upgradable to DR configuration directly on the field
- Multiple detectors and imaging software can be interfaced
- High level of detail of X-ray images
- 19" touchscreen user interface
- Full DICOM connectivity + WLAN

Technix · TMB 320 / TMB 320 DR

System concept Battery mobile X-ray unit
Power 32 kW
Motorized Yes
Detector Tethered or wireless FPD, also in pediatric size

Highlights
- Battery-motorized unit for easy maneuvering and bedside positioning
- Battery powered X-ray exposures
- Two different configurations: analog and digital version
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity & WLAN
- Interfaceable with multiple detectors and imaging software

Technix · TMS 300 DRH

System concept Mobile X-ray system for home-based radiology
Power 30 kW
Motorized Yes
Image system Analog or digital configuration available

Highlights
- 30 kW power for performing any kind of examination
- Small footprint for easy maneuvering
- Motorized crawler tracks for easy transport on stairs
- Sturdy wheels for moving on long distances or uneven surfaces
- High quality DR images on easy-to-use tablet PC
- Several detectors and imaging software can be interfaced
- Immediate exam review and transmission to the reference hospital

Toshiba · Mobirex

Power 40 kW

Highlights
- Mobile X-ray systems are used around hospitals regularly to perform radiography on patients who cannot easily get to an X-ray room.
- Toshiba is proud to introduce a new generation mobile X-ray system equipped with a wireless portable flat panel detector (FPD).

VILLA SISTEMI MEDICALI · Visitor T30 M-DR

Motorized Yes
Power 30 kW
Detector Wired or wireless flat panel detector, 35 x 43 cm
Pixel size 139 µm

Highlights
- Motorized DR mobile unit
- Exposures possible without connecting the unit to an external power supply
- Compact structure and flexible positioning
- ± 320° rotating column with telescopic arm
- 35 x 43 cm Flat Panel detector wired or wireless
- 19" LCD touch screen user interface
- Full DICOM connectivity

VILLA SISTEMI MEDICALI · Visitor T30 C-DR

Motorized No
Power 32 kW
Detector Wired or wireless flat panel detector, 35 x 43 cm
Pixel size 139 µm

Highlights
- Compact and lightweight mobile DR unit
- High performance X-ray generator, tubehead with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM classes compatibility
- Available with wired or wireless flat panel detector

Wandong · H.F. 30 kW Digital Mobile X-ray Unit – PXD-2000

kV Range 40 ~ 125 kV
mAs Range 1 ~ 320 mAs
Detector 14 x 17"
Power 30 kW

Highlights
PXD series mobile DR system is dedicated designed for clinical applications in the operation room, emergency ward, orthopedics and surgical treatment. Outstanding combination of high frequency technology, Ergonomics and compact structure, 17" Touch-Screen for image acquisition, display and processing. Digital image acquisition with DICOM 3.0 compliance, facilitates transmission to PACS.

FLATPANEL FLUORO

Agfa · DX-D 800 (Fluoroscopy)*

Highlights
Dynamic 3-in-1 direct radiography system offering real time images for fluorscopy, general radiography and direct exposures.
- Single touch, remote-controlled user-interface and table auto-positioning, improving workflow and maximizing patient comfort
- Wide range of fluoroscopy, general radiography and portable applications, incl. optional full leg/full spine and tomography

** Not available in the US & Canada*

Canon · DelftDI Uromat RF

Design Floor mounted RF system
Detector Canon CXDI CsI RF Flat Panel Detector

Highlights
Universal solution for Urology and Fluoroscopy
- Convenient to work with due to easy ergonomics
- Uncompromised direct digital radiography and fluoroscopy
- Isocentric motorized tilting
- Optimized working position for Urologists and nurses
- High KUB (Kidney Urether Bladder) FOV
- Highly configurable with modular design
- Multi function footswitch and easy to clean

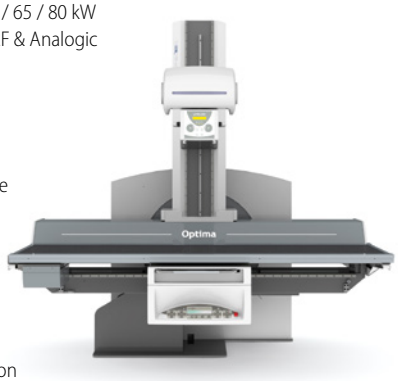
Canon · DelftDI D2RS

Design Remote controlled digital fluoroscopic system
Detector Canon CXDI CsI RF Flat Panel Detector
Table –25 / +90 degrees

Highlights
Unrivalled 3-in-1 solution for radiography and fluoroscopy
- Uncompromised direct digital radiography and fluoroscopy
- Motorized auto-positioning, dose reduction features
- Head-to-toe patient coverage
- "Smart access" table position for easy patient transfer
- Variable table height, variable SID for all clinical examinations (max. 180 cm)
- Customizable pediatric protocols

DMS / APELEM · Optima

Design Digital Remote-controlled R / F system fully-motorized
Detector 43 x 43 cm, 148 µm, a-Si / CsI
Power 50 / 65 / 80 kW
Image system DRF & Analogic



Highlights
The Optima is the latest table designed and developed by DMS APELEM. This solution is designed to be effective and adapt to any type of budget.
- SID up to 180 cm
- Fully motorized tube rotation
- Patient coverage 195 cm with 2 ways and >270 cm with 4-way table top
- +90° / –30° motorized tilting table, this table performs all types of R/F examinations
- Innovative tilt / shift movement allowing 79 cm fixed height

FLATPANEL FLUORO

DMS / APELEM · Platinum dRF

Design Digital Remote controlled fully motorized
Detector 43 x 43 cm, 148 µm, a-Si / CsI
Power 50 / 65 / 80 / 100 kW
Resolution 2,880 x 2,880 pixels, 3.4 lp / mm

Highlights
- True full access all around the table top for easy patient transfer
- 48 cm lowest table height for optimal patient loading
- Excellent image quality with lowest possible dose (SID 180 cm)
- All movements are motorized and independent for maximum configuration versatility
- Innovative control system based on PC server technology
- Constant improvement with new innovations every year
- Available DRF & Analogic

General Medical Italy · ALPHA EVO

Table 90 / 90
Image system Deluxe Software
Detector 43 x 43 Dynamic Flat Panel
Design FFD 195 cm

Highlights
ALPHA EVO remote controlled table is a completely integrated system for radiographic, fluoroscopic and tomographic examinations. Automatic STITCHING function for the reconstruction of the skeleton and DSA application complete the wide range of its performances. Thanks to dynamic FPD and Deluxe image acquisition software, the system provides excellent image quality and full DRF workflow.

GMM · OPERA Swing – Multifunctional system with DFPD

Detector Amorphous silicon
Pixel size 148 µm
Size 43 x 43 cm

Highlights
- Highly integrated system for enhanced examinations in digital RAD and Fluoro procedures
- Extraordinary user-friendliness and operational efficiency in any application: E.R., digital angiography, Tomosynthesis, column-lower limbs Stitching, ect.
- Easy execution of lateral projections and oblique incidences also on stretchers
- Exams on tabletop or in direct contact with the detector

GMM · OPERA T90 Sharp – Remote-controlled system with DFPD

Detector Amorphous silicon
Pixel size 148 µm
Size 43 x 43 cm

Highlights
- Wide series of R / F remote-controlled tables with digital flat panel detector
- User-friendliness and enhanced examinations in E.R., trauma, thorax and lungs, skeleton, gastroenterology, urology, digital angiography, etc.
- Reduced distance of the elevating table-top from the floor
- Intelligent user interface integrating all the controls in a unique advanced touch screen

Mecall · EIDOS RF 439 – 90 / 90 Remote-controlled table

Detector Amorphous silicon
Resolution 148 µm
Size 43 x 43 cm; 35 x 43 cm WiFi; 24 x 30 cm WiFi

Highlights
- 90 / 90 RF system with 43 x 43 cm flat panel detector and exclusive auto-focusing device
- Single end suspended carbon-fibre patient tabletop for total accessibility from any side
- Elevating tabletop with 50 cm minimum distance from the floor
- Full-length patient examination in both vertical and horizontal position
- Full integration with optional ceiling suspension and Wi-Fi detector

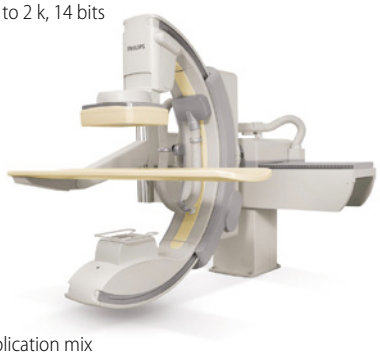
Philips · Juno DRF

Design Digital remote controlled R / F system
Technology CsI-Scintillator
43 x 43 cm

Highlights
- 2-in-1 digital radiography and fluoroscopy system for a wide range of applications
- Increased patient throughput and efficiency thanks to smooth digital workflow
- Increased room utilization and return on investment thanks to one system for radiography and fluoroscopy
- Patient capacity up to 284 kg in all movements and large table top size allows for bariatric examinations

Philips · MultiDiagnost Eleva FD with 3D-RX (optional)

Design Multifunctional C-arm
Detector a-Si with CsI Scintillator
Resolution Up to 2 k, 14 bits



Highlights
- Covers a broad range of applications from RF, ortho-pedics up to interventional and vascular exams
- Easily absorbs changes in application mix
- 3D-RX providing excellent anatomical insight and which is unique under weightbearing conditions
- Proven scan principle with C-arm moving around the patients
- 180 degree isocentric C-arm rotation increases projection flexibility

PRIMAX International · NIKAÏA DRF

Detector 43 x 43 cm a-Si dynamic flat panel
Power Up to 80 kW
Design + 90° / – 90° Digital remote controlled tilting table

Highlights
- 2 in 1 system digital radiology and fluoroscopy
- Patient accessibility from 4 sides
- Carbon fibre tabletop
- Full patient coverage without table longitudinal movement
- Extractable Auto focus grid (patented)
- Automatic stitching function for spine and lower limbs in real time

Shimadzu · Sonialvision G4

Power 80 kW / 65 kW
Detector Dynamic flat panel detector (CsI), 17" x 17" (43 x 43 cm), 3.6 Lp / mm
Pixel size 139 µm

Highlights
- Premium R / F system with dynamic flat panel detector
- 2nd tube option for multi purpose room solution
- Bariatric functionality
- SUREengine-Advance: real-time image enhancement processing technology
- Tomosynthesis and T-smart
- Slot radiography
- Angiography option (real-time and motion-tolerant RSM-DSA)
- Comprehensive dose management package

Shimadzu · Flexavision F3

Power 50 / 80 kW
Detector Dynamic flat panel detector (a-Si), 14" x 17" (35 x 43 cm)
Pixel size 160 µm

Highlights
- Portable dynamic FPD for various studies from head to toe
- Outstanding digital image quality
- Great flexibility through smart modular technology
- Intensive patient care

Siemens · Artis zee multi-purpose

Design Multi-purpose flat detector fluor and angio
Detector 2 k a-Si with CsI Scintillator
Resolution 1,920 x 2,480 pixel, 3.25 Lp / mm

Highlights
- 3D-applications
- New multi-host imaging system
- Right or left side suspension for endoscopic applications
- 2 k-acquisition available
- New ergonomic system controls for smooth table-side operation
- Undertable / overtable positioning
- Full in-room-control (on trolley)
- Remote controls for room operation available

FLATPANEL FLUORO

Siemens · Luminos dRF Max

Design Remote-controlled R/F system
Detector a-Si/CsI
Size MAX dynamic detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
Taking 2-in-1 to the MAX in radiography and fluoroscopy
The first 2-in-1 system for:
- Safer use – with a 48 cm minimum table height, full patient access from all sides and SmartTouch touch-sensitive joysticks
- Sharper imaging – MAX image quality with a large 43 x 43 cm MAX dynamic detector
- Stronger synergies – with MAXswap and 2-in-1 efficiency in radiography and fluoroscopy

Siemens · Luminos Agile Max

Design Patient-side controlled R/F system
Detector a-Si/CsI
Size MAX dynamic detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
A more RADical way in fluoroscopy. The first patient-side system to offer:
- Safer use with a height-adjustable table
- Sharper imaging with a large MAX dynamic flat detector
- Stronger synergies with MAX dual use in R/F

Ysio Max options:
- Ceiling-suspended tube with bucky tracking
- MAX wi-D and MAX mini detectors with MAXswap
- SmartOrtho: long leg and full spine imaging

Siemens · Luminos Fusion

Design Remote-controlled R/F system
Detector a-Si/CsI
Size 43 x 43 cm

Highlights
The 2-in-1 system that fits your needs and fits your budget
- MAX image quality in R/F (FD version only)
- Technology from high-end MAX systems
- Easy access for fast and easy patient positioning
- Touch-sensitive joysticks
- Outstanding dose reduction with CARE
- Wide range of options and applications
- 2-in-1 efficiency: flexibility and high utilization saves space and costs

Siemens · Multitom Rax

Design Ceiling-mounted robotic tube **and** detector
Detector a-Si/CsI
Size RAX detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
The world's first Twin Robotic X-ray scanner enables streamlined clinical pathways while improving diagnostic insights and treatment.
- Offers a multitude of X-rays – in just one room
- Lets you see reality with natural Real 3D – for the first time
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity
- Is future-proof – with Twin Robotic X-ray

STEPHANIX · D²RS

Technology Dynamic flat panel detector
System concept High-end remote controlled table
Design Compact, lightweight and robust
Motorized Automatic positioning, collimation, filtration, parameters

Highlights
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera…
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Second tubestand and additional detectors

STEPHANIX · Evidence DReam

System concept 3-in-1 cost-effective remote controlled table
Technology Indirect conversion Flat Panel Detectors
Detector Fixed and wireless solutions

Highlights
- Head-to-toe exploration
- Smart 8 ways tabletop travel for easy patient displacement
- Column angulation ±40° on the whole table's length
- Tomography
- Fixed or variable height
- Radiation-free for patient positioning with video camera
- Stitching
- Second tubestand and additional detectors

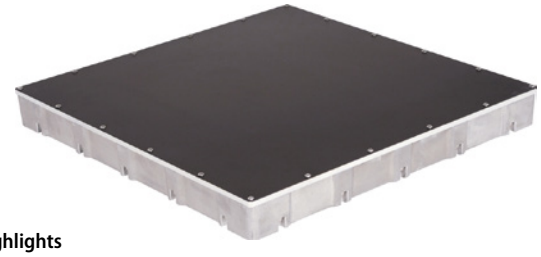
Swissray · ddRImpulse

Power 20 kW
Detector a-Si CsI, 26 x 30 cm
Pixel size 184 µm
System concept Mobile C-Arm with Flat Panel

Highlights
- Easy to maneuver C-Arm for orthopedic, pain-management or general fluro application
- Extra wide C-Arm design for leading flexibility
- Swiveling touchscreen interface
- Intuitive and user-friendly one touch – one function software
- High resolution 26 x 30cm dynamic Flat Panel for impeccable image quality
- Advanced Fluoroscopic and DR modes
- Add. filters for noise reduction
- High-res Dual 21" monitors
- Low system weight of 320 kg

Toshiba Electron Tubes & Devices · FDX3334RF

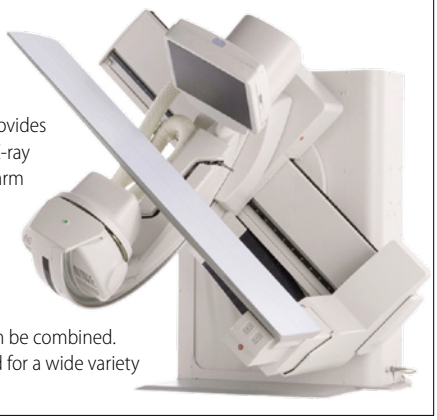
System concept Dynamic flat panel detector
Detector CsI / Tl, 33 x 34 cm
Pixel size 143 µm



Highlights
- Toshiba's proven advanced fine CsI / Tl and direct deposition technologies provide high DQE and excellent resolution.
- The reflective coating in the CsI / Tl screen provides high sensitivity.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- High-speed real-time image processing is used to produce high-quality fluoroscopic images.

Toshiba · Ultimax-i

Power 80 kW
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector
Pixel size 148 µm



Highlights
- The Ultimax-i system provides a multipurpose digital X-ray system with a tilting C-arm table for multipurpose diagnostic applications and interventional radiology.
- An additional ceiling mounted X-ray tube can be combined. This system can be used for a wide variety of clinical applications.

Toshiba · Xantara

Pixel size 148 µm
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector

Highlights
- The Xantara system was designed to provide maximum flexibility for all types of exam rooms and for all types of exams.
- From the clean, sleek lines of the design, to the simplified all-in-one control console, to the mechanical ergonomics and elegance, the Xantara is the remote controlled table solution like you've never seen before.
- Source-to-Imager Distance 180 cm.
- Four-way movement of tabletop.
- Optional second X-ray tube, vertical Bucky stand and wireless FPD.

Toshiba · Zexira / FPD

Power 80 kW
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector
Pixel size 148 µm

Highlights
- General radiography abdominal / skeletal).
- Non-vascular contrast-enhanced studies of the spine, intervertebral disks, joint cavities, biliary tract, nerve block procedures, etc.
- Non-vascular IVR (ERCP, PTC, biopsy, ileus tube, etc.).
- Angiography (abdomen, shoulders, upper / slower trunk and cervical spine, etc.).
- Vascular IVR (simple angioplasty, maintaining the dialysis paths, etc.).

FLATPANEL FLUORO

VILLA SISTEMI MEDICALI · Apollo Open DRF

Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm

Highlights
- Premium digital remote controlled system with OPEN tabletop, allowing 4-side access to the patient
- Standard carbon fiber tabletop
- Full patient coverage by moving only the tube-receptor assembly, without patient repositioning
- Standard Auto Grid Selection function
- Oblique projections at table edges and electronic tomography
- 180 cm SID
- Available with DSA and stitching options

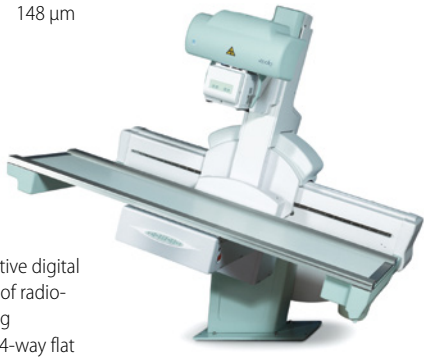
VILLA SISTEMI MEDICALI · Apollo DRF

Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm

Highlights
- Premium digital remote controlled system for full clinical coverage in R / F applications
- Full patient coverage by moving only the tube-receptor assembly, without patient repositioning
- Standard Auto Grid Selection function
- Oblique projections at table edges and electronic tomography
- 180 cm Source to Image Distance (SID)
- Available with DSA and stitching options

VILLA SISTEMI MEDICALI · Apollo EZ DRF

Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm



- Compact and cost-effective digital system for all the needs of radio-graphic and R / F imaging
- Available with 2-way or 4-way flat tabletop, plastic or carbon-fiber
- Standard Auto Grid Selection function
- Variable Source to Image Distance (SID): up to 180 cm
- Oblique projections at table edges and electronic tomography
- Available with DSA and stitching options

Wandong · DRF Series

System concept 80 kW Dynamic FPD digital radiography and fluoroscopy system
Detector 43 x 43 cm / 40 x 30 cm FPD
Pixel size 194 um

Highlights
- Advanced FPD detector
- Latest technology 80kW / 200kHz generator
- Large size detector brings larger Field of View
- High Definition image acquisition without distortion
- High acquisition rate
- Variable SID
- Outstanding user experience
- Powerful InvaRay digital imaging platform providing centralized system control and image acquisition and processing

Xingaoyi (XGY) · Gemini-DRF-4343

mAs Range Photography electric current: 10 ~ 800 mA
Fluoroscopy electric current: 0.5 ~ 6 mA
Image system Photography voltage: 40 ~ 150 kV
Fluoroscopy voltage: 40 ~ 125 kV
Pixel size 148 x 148 µm

Highlights
- XGY-Gemini-DRF-4343 goes beyond the separation between radiography and fluoroscopy
- The large 43 x 43cm active area and the image resolution more than 3.5 lp / mm
- One room, one detector and one imaging platform an extensive range of applications that typically require multiple devices when based on legacy equipment
- Operation System: Microsoft Windows XP / Dual-core processor Memory ≥ 2GB / Monitor: 1,024 x 768 pixel

ACCESSORIES / COMPLEMENTARY SYSTEMS

DMS / APELEM · BIOMOD 3S

Highlights

Biomod 3S is a sophisticated software platform that uses several algorithms to combine simultaneously taken optic and radiographic (front and profile full spine) acquisitions. These two sources of information (optic and radiographic) taken together make it possible to generate a 3D model of the vertebral column, called a stereo-radiographic acquisition.

- No additional radiation dose

DMS / APELEM · Stratos

Technology Digital fast beam, the fastest on the market

Highlights

- The complete solution for an optimal fracture risk diagnosis in routine
- Full options including peadiatric and orthopedic software
- Exams can be performed in only 60 seconds per site
- Powerful easy-to-use software
- Compatible with 3D-DXA technolgy that allows cortical thickness analysis and volumic BMD
- Body composition application for weight management, tracking fat and lean tissue

DMS / APELEM · Stratos DR

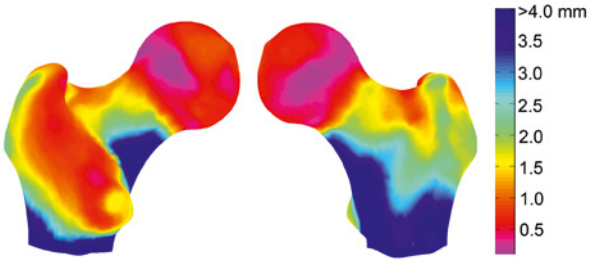
Technology 2D-Fan Beam
Detector 256 elements, highest image resolution

Highlights

- Complete solution for an optimal fracture risk diagnosis
- Full options including peadiatric and orthopedic software
- Exams can be performed in only 30 seconds in routine mode
- Powerful easy-to-use software
- Compatible with 3D-DXA technolgy that allows cortical thickness analysis and volumic BMD
- Body composition application for weight management, tracking fat and lean tissue

DMS / APELEM · 3D DXA

Technology Breakthourgh Technology to complete fracture risk assessment



Highlights

3D-DXA is a 3D modelization of the hip performed with DMS DXA systems. Detailing information such as:

- Color mapping of cortical thickness
- Mean cortical thickness on relevant regions
- vBMD (volumic BMD) trabecular, cortical and global (total femur, femoral neck, intertrochanteric, greater trochanter)
- Femoral Neck Axis Length in 3D
- Femoral Neck Shaft Angle in 3D

Dunlee · Smit Röntgen Grids

Highlights

- Standard grids, mammography grids and grids designed for special applications
- Low absorption because of the fiber interspacer
- Higher SNR with detectors in digital applications and a significant dose advantage over aluminum interspaced grids
- Any focal distance between 70 cm and 300 cm – Less weight than aluminum interspaced grids, up to 1 / 3

Dunlee · Radiographic Tubes

Highlights

- Tubes for RAD, CV and RF
- Tubes from Dunlee offer optimal performance, high-heat dissipation capabilities, and unique ball-bearing construction. Most new tube units include a trunnion ring assembly.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Hitachi · Aloka AOS-100E EggQus

Size 32 x 38 x 18 cm (W x D x H) / weight ~4 kg
Measurement item (SOS) Speed of Sound
Power Battery / AC adaptor

Highlights
- Designed for maximum portability
- Compact and handy compared to conventional quantitative ultrasound systems
- The large integral handle facilitates in-hospital rounds and house visits
- Powered by rechargeable batteries, AC-adaptor available for long continuous measurement
- Measurement using Speed of Sound
- Approx. three Seconds Measurement Time (measurement performed on a PC)

Hitachi · Aloka AOS-100SA

Size 32 x 53 x 27cm (W x D x H) / weight ~ 14 kg
Measurement item OSI (Osteo Sono Assessment Index), BUA (Broadband Ultrasound Attenuation), TI (Transmission Index), SOS (Speed of Sound)
Power AC

Highlights
- Reliability under all circumstances – from routine checkup to screening of the elderly and children
- Color touch panel LCD, printer for direct measurement output, data memory, all included in single unit
- OSI (Osteo Sono Assessment Index) works as a comprehensive index reflecting Speed of Sound and wave band
- Short measurement time (~ 2 seconds) for rapid handling of elderly and other patients

Hologic · Horizon DEXA (fan beam) Bone Densitometer

Highlights
The Horizon bone densitometer platform for osteoporosis, cardiovascular disease, and obesity assessment is designed for fast and precise exams.
- Less than 15 sec for Hip and Spine BMD, 20 sec for Vertebral Fractures Assessment, 3 min Whole Body and 20 sec atypical femur detection
- High resolution imaging with ceramic detectors
- A Dynamic Calibration for greater long-term measurement stability

I.A.E. · C31-RTM 72

Size 0.6 / 1.2
Power 30 kW / 75 kW
Capacity 300 kHU (Anode heat capacity)
500 W (Anode heat dissipation)

Highlights
- Rotating anode X-ray tube unit for mobile x-ray equipment with film and digital detectors.
- Lead lined aluminium body.
- H.T. cable sockets: type MINI75 4 pin.
- Storage and shipment temperature range –10° C / +80° C.
- Optional mounting plate for tilting brackets.

I.A.E. · RTC 600

Highlights
- Rotating anode graphite XRay tube, specifically designed for remote controlled table and digital systems
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- High anode heat storage for repeated loading
- Ground glass window for consistent HVL
- Variety of housings allows flexible systems configurations

Konica Minolta · AeroDR Auto-Stitching System

Detector AeroDR 14" x 17"

Highlights
- Unique and easy to use
- Can be used with any X-ray system
- AeroDR CsI FPD 14" x 17"
- Effective image size after stitching: up to 35 x 120 cm
- No markers required

Six ways **DOTmed** protects buyers and sellers in 253 countries

Over the last 18 years, almost exclusively by word of mouth, DOTmed has become one of the busiest websites in healthcare. The services that DOTmed offers enables Buyers and Sellers of equipment and parts – as well as providers looking for service partners – to find exactly what they're looking for.

Over 250,000 people around the world have registered on DOTmed and more than 22,000 people visit the website every day. Our news organization, DOTmed HealthCare Business News, has a monthly magazine with a circulation exceeding 30,000, and every week 50,000 people receive our weekly online news digest.

All of these features combined have resulted in the continued success of DOTmed over the last 10 years. Whether you are a Buyer, a Seller, in need of service or spare parts, or if you just want to stay informed about the latest healthcare news – DOTmed is a free service that you should take advantage of.

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WHY DOTmed®

1 DOTmed is free: Anybody can search the listings on DOTmed. Those listings feature equipment and parts either wanted or for sale. In addition, visitors can browse service companies in our Services Directory. Our Users can communicate with each other at zero cost because DOTmed is driven by advertising. Therefore, throughout your visit, our site will display advertisements relevant to your specific interests.

2 Comprehensive: With over 450,000 active listings on most days, including 150,000 different parts for sale, our 250,000 registered Users visit our site more than 22,000 times daily because they know – if it is available anywhere in the world – they will find it on DOTmed.

3 Easy to use: Whatever you are looking for, it is easy to find it on DOTmed because the site is so intuitive. There are several ways to search for things on whichever type of interface you prefer. We even offer a free mobile app.

4 Users are protected: We review all registrations and postings every day, every four hours. There is someone on duty around the clock. More importantly, our Users police our site as well. We have a rating system and many of our Users apply for and receive DOTmed Certification (more than 1,000 firms). In our Honest / Dishonest Dealings Forum, our Users expose those firms that are less than honorable and the worst of those firms are Blacklisted from DOTmed. While you can never be 100 % sure about anything, there is no other website that offers this level of protection for Buyers and Sellers of medical equipment and services.

5 Service forums: End Users ask thousands of service-related questions and the service community on DOTmed always helps to answer them.

6 Industry news: DOTmed HealthCare Business News has nine journalists covering healthcare around the world and report on a daily basis. Many of our Users visit dotmed.com/news every day to stay on top of the business dealings that matter most to health professionals. More than 50,000 people have signed up for our weekly news digest, which brings the most interesting and important headlines directly to their e-mail inbox at no charge.

ACCESSORIES / COMPLEMENTARY SYSTEMS

PTW · NOMEX System

Highlights
- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Incl. NOMEX DOSEMETER and MULTIMETER (captures all dose values, time, kVp, TF, HVL, frequency, pulses, waveforms)
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: Test objects NORMI RAD/FLU, NORMI DSA, NORMI 3D (CE marked, class I certified)

Roesys · X Mobil / X Mobil Q

Motorized 62 – 102 cm

Highlights
- Mobile patient table with single side suspended, floating carbon tabletop and electromagnetic lock. Motorized height adjustment for optimal patient positioning
- Also available with a fix table height
- Floating tabletop for optimum access to patient and large radiolucent exposure area
- High mobility of the table due to swivel castors and a rechargeable battery for height adjustment

Toshiba Electron Tubes & Devices · XRR-4631G

Size 1.2 / 0.6 (Focal Spot)
Power 100 kW / 40 kW (Max Rating)
Capacity 400 kHU (Anode heat capacity)
1,200 W (Anode heat dissipation)

Highlights
- 4 inch ROTANODE X-ray tube assembly for RF systems
- 20 % smaller housing than previous model
- Can be used as a replacement part for similar models
- High power input: 100 kW / 40 kW (0.1 s)
- High cooling rate provided by housing

Toshiba Electron Tubes & Devices · XRR-3331 X

Size 1.2 / 0.6 (Focal Spot)
Power 78 kW / 32 kW (Input Power)
Capacity 300 kHU (Anode heat capacity)
870 W (Anode heat dissipation)

Highlights
- 3 inch ROTANODE X-ray tube assembly for RF systems
- High power input: 78 kW / 32 kW (0.1 s)
- Advanced simulation technologies are used in development and manufacture to produce tubes with excellent performance and reliability and a long tube life.

Toshiba · OrthoMod3D

Image system Optical orthopedic image acquisition & fusion

Highlights
- One platform, one software application.
- 3D reconstruction & spine analysis in weight-bearing position.
- Based on optical & X-ray data fusion.
- Innovating and unique combination of the spine with the back surface.

Molecular Imaging

SPECT

SPECT-CT

PET-CT

PET-MR

Accessories /
Complementary Systems

Alliance Medical

GE Healthcare

DOTmed®

PHILIPS

SIEMENS

SPECT

GE Healthcare · Brivo NM 615

System sensitivity	270 cpm / µCi
Energy resolution (NEMA)	9.8 %
Field of View	540 x 400 mm

Highlights

- Excellent image quality based on advanced Elite NXT detectors
- Exceptional productivity enabled through evolution ½ time planar and SPECT scans options
- Fast and flexible robotic gantry motions for exceptional clinical versatility
- Investment protection enabled through upgradeability path to Discovery NM 630 and even to SPECT / CT: Optima NM / CT 640 or Discovery NM / CT 670

GE Healthcare · Discovery NM 530c

System sensitivity	1,300 cpm / µCi
Energy resolution (NEMA)	6.2 %
Field of View	–

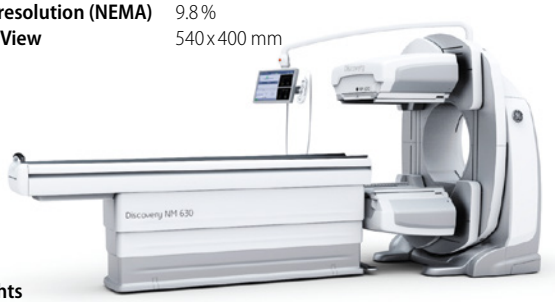
Highlights

Alcyone Technology:

- Solid State CZT Detectors
- Pin hole focused collimation
- Stationary acquisition
- 3D reconstruction
- Higher sensitivity; Flexibility to manage dose more efficiently
- Scans as fast as 3 minutes

GE Healthcare · Discovery NM 630

System sensitivity	270 cpm / µCi
Energy resolution (NEMA)	9.8 %
Field of View	540 x 400 mm



Highlights

Premium, all-purpose, dual detector free geometry integrated nuclear imaging system, featuring:

- Excellent image quality based on advanced Elite NXT detectors
- Slim-profile, wide-bore, fast and fl exible robotic gantry design for exceptional clinical versatility
- Upgradeability path to SPECT / CT: Optima NM / CT 640 or Discovery NM / CT 670 (subject to appropriate site preparation)

GE Healthcare · Discovery NM 750b

System sensitivity	–
Energy resolution (NEMA)	6.5 %
Field of View	160 x 240 mm

Highlights

CZT based gamma camera dedicated to imaging of breast cancer as adjunct to mammography

- High-resolution, direct conversion, solid-state CZT semiconductor detectors
- For dense breast, MBI technology outperformed mammography in early detection and in finding more cancers
- Tracers with indication for breast cancer diagnosis
- Powered by Xeleris 3 advanced tools and optional packages

Philips · BrightView

Resolution	3.3 mm, FWHM intrinsic
Sensitivity	277 cpm / µm Ci (LEGP)
Field of View	40.6 x 54 cm

Highlights

- Patient focus for an open experience with all patients and sizes
- Maximized image quality with CloseUp technologies
- Improved workflow efficiency, BodyGuard automatic contouring
- Rich in capability yet compact in design
- Scalable to match the capabilities with practice

Philips · BrightView X

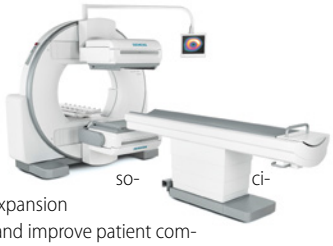
Resolution	3.3 mm, FWHM intrinsic
Sensitivity	2.77 cpm / µm Ci (LEGP)
Field of View	40.6 x 54 cm

Highlights

- Fully featured variable-angle camera that is field-upgradeable to BrightView XCT without any increase in room size or power requirements
- Fast and easy to use with exceptional image quality

Siemens · Symbia Evo Excel*

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm



Highlights
- Smallest** room size in its class, reducing costs associated with room remodeling and expansion
- Ability to image every patient*** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading** image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

** Symbia Evo Excel is not commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed. Please contact your local Siemens organization for further details.*
*** Based on competitive literature available at time of publication. Data on file. *** Patients up to 227 kg.*

Siemens · Symbia Evo*

System sensitivity 202 cpm/µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Save up to 50 %** more time and potentially double patient throughput with automated quality control and collimator exchange, as well as ultra-fast cardiac imaging
- Image every patient*** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading** image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

** Symbia Evo is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens organization for further details.*
*** Based on competitive literature available at time of publication. Data on file. *** Patients up to 227 kg.*

Siemens · Symbia S

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Siemens AUTOFORM, a unique collimator design that allows for up to 26 %* higher sensitivity
- IQ•SPECT ultra-fast cardiac solution provides a complete cardiac work-up in only 5 minutes
- Automated Quality Control saves time and reduces radiation exposure
- Automated Collimator Changer increases workflow efficiency

** Based on competitive literature available at time of publication. Data on file.*

Siemens · Symbia Intevo Excel*

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- SPECT with integrated CT for attenuation correction and anatomical localization
- Flash 3D enables up to 45 % higher reconstructed resolution** than conventional SPECT 3D iterative reconstruction
- Largest CT field-of-view** enables physicians to more accurately localize lesions
- IQ•SPECT enables up to 80 % lower injected dose** or shorter imaging time, increasing patient comfort and satisfaction

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*** Based on competitive literature available at time of publication. Data on file.*

Siemens · Symbia Intevo*

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Higher image resolution enables physicians to distinguish between degenerative disease and cancer
- The first and only system offering accurate and reproducible SPECT quantification
- Up to 68 % lower CT dose** with CARE Dose4D and up to 80 % lower injected dose** with IQ•SPECT to reduce patient radiation risk
- Productivity tools and IQ•SPECT save time and can double patient throughput

** Symbia Intevo is not commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed. Please contact your local Siemens organization for further details.*
*** Based on competitive literature available at time of publication. Data on file.*

SPECT-CT

GE Healthcare · Discovery NM / CT 670 ES

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
All great capabilities of Discovery NM 680 plus:
- Full diagnostic Optima 540 8 slice CT for localization and diagnostic CT studies
- Designed to enable 16 min Whole body + Hybrid SPECT / CT scan
- CT Dose management with ASiR
- IQE3 enables more coverage w/ fewer artifacts
- CT Calcium Scoring and Angio functionality
- Expanded NM dose management Evolution Toolkit
- SUV Quantification for every radionuclide

SPECT-CT

GE Healthcare · Optima NM / CT 640

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
All great capabilities of Discovery NM 630 plus:
- SPECT / CT low-dose imaging without compromise
- Low total cost of ownership, with a technology continuum for upgradability
- Acquisition speed that drives efficiency
- Designed to enable 16 min Whole body & Hybrid SPECT / CT scan
- Simplified hybrid scan setup

Philips · BrightView XCT

Resolution 3.3 mm, FWHM intrinsic
Sensitivity 2.77 cpm / µm Ci (LEGP)
Field of View 40.6 x 54 cm

Highlights
- Flat panel CT allows acquisition of the entire heart volume in just one rotation to aid in cardiac studies
- Concurrent imaging allows for shorter exams and smarter assessments.
- Full Iterative Technology (FIT) now available on the BrightView XCT uses advanced algorithms for the truest picture possible

Siemens · Symbia T Series

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- SPECT / CT with integrated diagnostic stand-alone CT
- IQ•SPECT ultra-fast cardiac solution provides a complete cardiac work-up in only 5 minutes
- Reduce exposure and improve workflow with Automated Quality Control and Automated Collimator Exchange
- Offers 2-, 6- or 16-slice spiral CT

Siemens · Biograph mCT 20 Excel

Gantry Opening 78 cm
Volumetric Resolution 95 mm³
Field of View Up to 164 mm (axial)

Highlights
- Affordable performance
- Industry-leading PET resolution* of 95 mm³ for visualization of small tumors
- Accurate SUV quantification and full HD lesion detection with frozen-motion images
- One-click gating integrated in daily routine
- Image virtually all patients** with unique 78 cm wide bore and short tunnel
- Increase referral base for bariatric and radiation therapy patients

** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. ** Patients up to 227 kg.*

PET-CT

GE Healthcare · Discovery PET / CT 710

System sensitivity 7.5 cps / kBq
Energy resolution (NEMA) 2 mm (w.SharpIR)
Field of View 70 cm

Highlights
Leading edge technology for advanced applications and demanding academicpractices
- Designed for short-lived tracers – high count rate capability
- Treatment assessment and quantitative consistency with Q.Suite
- VUE Point HD – 3D iterative reconstruction with Time of flight capability
- Optimized for complex research protocols
- CT flexibility
- LBS detector design

GE Healthcare · Discovery NM / CT 670 Pro

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
All great capabilities of Discovery NM 680 plus:
- Full diagnostic Optima 540 16 slice CT for localization and diagnostic CT studies
- Designed to enable 16 min Whole body & Hybrid SPECT / CT scan
- CT Dose management with ASiR
- IQE3 enables more coverage w/ fewer artifacts
- CT Calcium Scoring and Angio functionality
- Expanded NM dose management Evolution Toolkit
- SUV Quantification for every radio-nuclide

GE Healthcare · Discovery IQ PET/CT

System sensitivity 22 cps / kBq (5 rings)
Energy resolution (NEMA) 2 mm (w.SharpIR)
Field of View 70 cm

Highlights
New LightBurst PET detector and New Image Reconstruction Technologies
- Up to five detector rings – 26 cm axial PET coverage
- Up to 22 cps/kBq NEMA sensitivity
- VUE Point HD – 3 D iterative reconstruction with Time of flight capability
- On-site upgrade capability
- Modern Optima 540 CT with 16 slices
- Q.Clear – Full convergence PET reconstruction

Philips · TruFlight Select

Peak NECR 65 kcps
Spatial Resolution 4.7 mm
CT Configuration 16-slice

Highlights
- Full fidelity TOF reconstruction with Astonish TF technology
- Up to 50 % contrast improvement facilitates improved lesion detectability
- Up to 5 x higher sensitivity than non TOF
- Full diagnostic CT capabilities

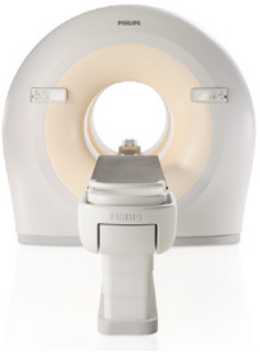
Philips · GEMINI TF PET/CT

Peak NECR 110 kcps
Spatial Resolution 4.3 mm
CT Configuration 16-slice or 64-channel

Highlights
- Philips proprietary Astonish TF time-of-flight technology
- Fast scans (10 min) with low dose
- Premium Brilliance CT image quality and applications
- 190 cm PET / CT scan length
- Exclusive open-view gantry design

Philips · GEMINI TF Big Bore PET/CT

Peak NECR 90 kcps
Spatial Resolution 4.3 mm
CT Configuration 16-slice



Highlights
- Optimized for radiation oncology
- Brilliance CT Big Bore simulator subsystem and exclusive PET Astonish TF time-of-flight technology
- 85 cm bore aperture for reproducible patient positioning between imaging and therapy
- Compliant with the AAPM TG-66 standards for positional accuracy
- State of the art diagnostic image quality

Philips · Ingenuity TF PET/CT

Peak NECR 110 kcps
Spatial Resolution 4.3 mm
CT Configuration 128-slice

Highlights
- Astonish TF allows fast TOF scans, low dose, and excellent image quality
- Increase diagnostic confidence with up to 30 % improved contrast and reconstruction as fast as 30 seconds per bed
- Manage both PET and CT dose better

Siemens · Biograph mCT

Gantry Opening 78 cm
Volumetric Resolution 95 mm³
Field of View Up to 221 mm (axial)

Highlights
- Molecular CT – quantification redefined
- Increased confidence in quantitative results with automatic daily quality control with normalization
- Superb visualization, particularly of small tumors with industry-leading volumetric resolution* of 95 mm³
- Whole-body PET scans in only 5 minutes or with 5 mCi injected dose**
- Increase revenue with a 78 cm bore for radiation therapy planning

** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. ** With TrueV.*

PET-CT

Siemens · Biograph mCT Flow *

Gantry Opening 78 cm
Volumetric Resolution 95 mm³
Field of View Up to 221mm (axial)

Highlights
- Only PET / CT where planning and scanning are based on a single continuous table motion
- Finest detail in every organ with industry's highest resolution** of 95 mm³
- Up to 25 % less scan time per patient with single scan protocol using motion management
- Whole-body PET scan in 5 minutes***
- Accurate and reproducible quantification in all dimensions enables a more confident interpretation

** Biograph mCT Flow is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens organization for further details.*
*** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. *** With TrueV.*

Siemens · Biograph Horizon *

Gantry Opening 70 cm
Volumetric Resolution 87 mm³
Field of View Up to 221 mm (axial)

Highlights
- Designed with technologies that set the standard in PET / CT, Biograph Horizon brings you premium performance at an attractive level of investment.
- More accurately stage disease by identifying small lesions early with Biograph Horizon's 4 mm, high resolution LSO crystals and Time of Flight.
- Leverage automated tasks and protocols to free up your staff's time, so they can focus on what matters most, your patients.
- Reduce your capital investment and keep overhead expenses under control with minimal upfront infrastructure requirements and low operating costs.

** Biograph Horizon is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens organization for further details.*

PET-MR

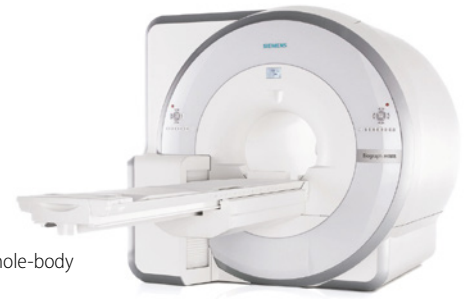
Philips · Ingenuity TF PET/MR

Peak NECR 110 kcps
Spatial Resolution 4.7

Highlights
- Groundbreaking system with a multitude of opportunities
- Astonish TF time-of-flight technology combined with the exceptional soft tissue imaging of Achieva 3.0T MRI in a whole body footprint
- Allows you to bring personalized medicine to your patients
- Allows advanced clinical research via whole-body molecular imaging across a wide range of validated applications

Siemens · Biograph mMR

System sensitivity 13.2 cps/kBq at 430 keV
Volumetric Resolution 4.4 mm transverse FWHM @ 1 cm, typical
Field of View 258 mm (axial)



Highlights
- World's first simultaneous, whole-body molecular MR
- One fully integrated MR and PET system for simultaneous data acquisition from both modalities
- Motion-compensated PET for new patient groups
- Cutting-edge technology for advanced research and successful institution's business

ACCESSORIES / COMPLEMENTARY SYSTEMS

Alliance Medical · Flexible diagnostic imaging services

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET / CT, Cath Lab
- Interim services for bridging downtimes
- Regular "routing" services

Alliance Medical · Modular building solutions

Highlights
Engineering, rental, sale of modular buildings MRI, CT, PET, PET / CT including or excluding diagnostic equipment.

Displays / Printers

Displays – Mammo

Displays – Color

Displays - Grayscale

Displays – Clinical Review

Displays – Large Format

Printers

CD- / DVD-Robot

Accessories /
Complementary Systems

AGFA HealthCare

CHILI® Digital Radiology

BARCO Visibly yours

EIZO

DOTmed®

NEC

medigration The Digital Company
ein Unternehmen der bender gruppe

TOTOKU

DISPLAYS - MAMMO

Barco · Nio 5MP

Panel size 21"
Resolution 5 MP (2,048 x 2,560)
Max. luminance 1,200 cd / m²

Highlights
- 600 cd / m² – to increase detection of the smallest details
- I-Luminate button to temporarily boast brightness for detailed inspection
- Renders more JNDs to help you see more shades of gray
- Pixel-perfect diagnostic precision for constant DICOM-compliance
- 5-year warranty incl. front sensor

Barco · Coronis 5MP

Panel size 21"
Resolution 5 MP (2,048 x 2,560)
Max. luminance 1,600 / 2,100 cd / m²

Highlights
- 600 cd/m² – to increase detection of the smallest details
- I-Luminate button to temporarily boast brightness for detailed inspection
- Renders more JNDs to help you see more shades of gray
- Pixel-perfect diagnostic precision for constant DICOM-compliance
- 5-year warranty incl. front sensor

EIZO · RadiForce GX540

Pixel matrix 5 MP
Panel size 21.3"
Max. luminance 1,200 cd / m²

Highlights
- Consistency with DICOM part 14 calibration
- Easy calibration with integrated front sensor
- Quick brightness stabilization for instant viewing
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

NEC · Grayscale Diagnostic Display MD211G5

Pixel matrix 5 MP
Resolution 2,048 x 2,560
Panel size 21"

Highlights
- Cleared for digital mammography thanks to 5MP resolution
- High contrast ratio of 1200:1
- Up to 1,024 simultanious shades of gray out of a palette of 12,277
- Maximum 1,200 cd/m² luminance for a very long lifetime
- Front sensor and LED backlight supporting the long lifetime

TOTOKU · MS55i2

Pixel matrix 2,048 x 2,560 / 2,048 x 7,680 (with ISD)
Panel size 21.3"
Max. luminance 1,200 cd / m

Highlights
- LED Backlight
- 900 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

TOTOKU · MS53i2

Resolution 2,048 x 2,560 / 2,048 x 7,680 (with ISD)
Panel size 21.3"
Panel Technology IPS

Highlights
- 1,000 cd / m² brightness
- 900 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

EIZO Monitor Quality Control Solutions
RadiCS & RadiNET Pro

A monitor's display of color and brightness changes over time with use. Having a monitor that lasts long and is capable of maintaining quality control with regular adjustments is important. RadiForce monitors are equipped with various features and functions for stabilizing and adjusting monitor brightness to meet standard viewing requirements. They also have built-in sensors for easily maintaining quality control. EIZO's confidence in its product quality extends to brightness stability which is also covered by a warranty during the recommended usage time.

With filmless imaging spreading in medicine, maintaining the quality of monitors for medical imaging is becoming increasingly important. With the know-how and experience as a specialist in monitor manufacturing, EIZO offers monitor quality control solutions for diagnostic precision and comprehensive management to contribute to the improvement of the quality of medical care.

Ensure Precise Quality Control

RadiCS quality control software provides total support for the quality maintenance and control of client monitors, covering everything from calibration to acceptance and constancy tests, calibration asset, and historical management. Complying with AAPM, DIN, IEC, and other international QC standards, RadiCS enables precise QC with intuitive, easy-to-follow procedures.

Advanced User-Interface and Enhanced Operability

Graphical design and icons are arranged next to the text making it easy to comprehend the functions visually and intuitively. A compendium list also enables users to check the condition of monitors instantaneously. Furthermore, RadiCS simplifies operability such as gaining access to necessary information with just one click of a mouse.

DICOM Part 14 Calibration

The built-in backlight sensor enables simplified calibration compliant with the DICOM Part 14 standard to correct the grayscale tones and brightness of the monitor. Furthermore, the use of an Integrated Front Sensor or bundled UX1 Sensor enables higher calibration performance.

Flexible Schedule Setting

The timing of when to perform QC tasks such as daily tests or constancy tests can be set according to the needs of your institute. For example, when turning the PC on or just after a specific application is opened.

Warning Icon for Swift QC

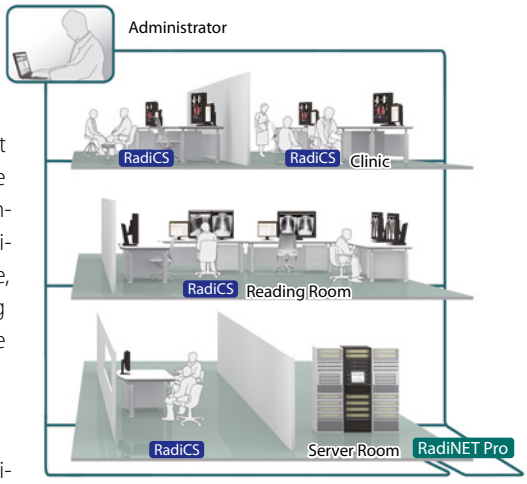
A warning icon appears on the desktop taskbar when the monitor fails a QC check such as a constancy test. This enables prompt detection and correction of the monitor quality.

Mobile Control Made Easy

Monitor administrators can access the QC server anytime, from any location where their web-enabled mobile device has Internet connectivity. This helps administration personnel to work remotely saving both the time and expense of on-site visits and improves the speed of the QC work flow.

Keep Monitor Management Organized

RadiNET Pro network QC management software enables centralized management of calibration tasks, data history of multiple RadiCS clients via a network, and remote QC functions, significantly saving on costs related to complicated QC management.



Carving out the smallest details is essential in medical practice

Only people who can obtain a clear picture, and only those who can separate what is important from what is not, get clear results in medicine. Exceptional image quality, a perfectly coordinated network, support software, and excellent customer service are some of the reasons why EIZO RadiForce medical solutions are found in leading hospitals around the world.

www.eizoglobal.com

DISPLAYS - GRAYSCALE

Barco · Coronis Product Line

Panel size 20" / 21"
Resolution 3 MP / 5 MP
Max. luminance 1,650 / 1,000 cd / m²

Highlights
- Unmatched color accuracy and pixel-perfect images
- I-Guard front sensor for ultimate diagnostic confidence
- Fast imaging, exceptional visualization and results
- Automated intervention-free calibration and QA
- 5-year warranty incl. front sensor

EIZO · RadiForce GX340

Pixel matrix 3 MP
Panel size 21.3"
Max. luminance 1,200 cd / m²

Highlights
- Consistency with DICOM part 14 calibration
- Easy calibration with integrated front sensor
- Quick brightness stabilization for instant viewing
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

EIZO · RadiForce GX240

Pixel matrix 2 MP
Panel size 21.3"
Max. luminance 1,200 cd / m²

Highlights
- Environmentally-friendly LED backlight
- Consistency with DICOM part 14 calibration
- Easy calibration with integrated front sensor
- Quick brightness stabilization for instant viewing
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

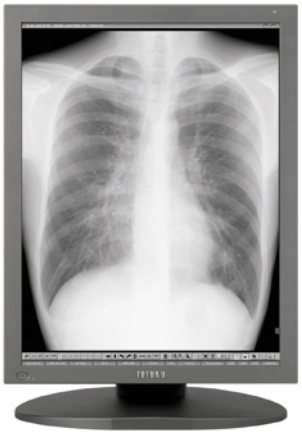
NEC · Grayscale Diagnostic Display MD212G3

Pixel matrix 3 MP
Resolution 1,536 x 2,048
Panel size 21"

Highlights
- Special Anti-Reflection coating ensuring crisp image reproduction
- Maximum luminance of 1,700 cd / m² for a very long lifetime
- Front sensor and LED backlight supporting the long lifetime

TOTOKU · MS33i2

Panel Technology IPS
Panel size 20.8"
Resolution 1,536 x 2,048 / 1,536 x 6,144 (with ISD)



Highlights
- 1,800 cd / m² brightness
- 700 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

TOTOKU · MS23i2

Panel Technology IPS
Panel size 21.3"
Resolution 1,600 x 1,200 / 4,800 x 1,200 (ISD)

Highlights
- 1,800 cd / m² brightness
- 700 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

DISPLAYS - COLOR

TOTOKU · ME193

Panel Technology IPS
Resolution 1,280 x 1,024
Panel size 19.1"

Highlights
- 1,500 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization
- DVI and Video input to connect modality systems

Barco · Coronis Fusion Product Line

Pixel matrix 4 MP / 6 MP
Panel size 30"
Max. luminance 1,000 / 800 cd / m²

Highlights
- Bezel-free 30-inch multi-modality PACS imaging desktop
- Unmatched viewing characteristics and image quality
- High-performance medical-grade image processing
- Automated intervention-free calibration and QA
- 5-year warranty incl. front sensor

Barco · Nio Product Line

Pixel matrix 2 MP / 3 MP / 5 MP
Panel size 20" / 21"
Max. luminance 750 / 800 / 1,100 cd / m²

Highlights
- Excellent brightness, contrast along with a wide viewing
- Proven technology for long-term image confidence
- High-speed image processing for maximum productivity
- Fully transparent calibration and QA
- 5-year warranty incl. front sensor

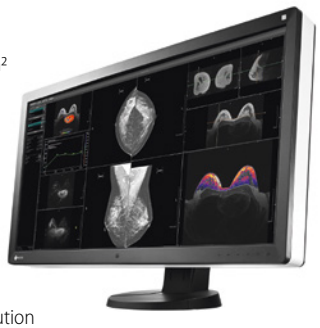
Barco · Barco Coronis Uniti

Panel size 33 inch
Resolution 12 MegaPixel (4,200 x 2,800)
Technology Color and grayscale LCD
Max. luminance > 2100 cd / m²

Highlights
- Approved for PACS, FFDM, DBT, breast MRI & US
- Proven 10 % higher detection when scrolling DBT IMAGES Proven 10 – 15 % higher detection probability compared to other FFDM displays
- 2 x the lifetime and 2 x the brightness of other PACs and FFDM displays
- 5-year warranty incl. front sensor

EIZO · RadiForce RX850

Panel size 8 MP
Pixel matrix 31.1"
Max. luminance 850 cd / m²



Highlights
- LCD module with 8 megapixel resolution and LED backlight for a reliably high and constantly stable brightness
- Dual-screen display (4 x 4 MP) on one monitor
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

EIZO · RadiForce RX650

Resolution 6 MP
Panel size 30"
Max. luminance 800 cd / m²

Highlights
- LCD module with 6 megapixel resolution and LED backlight for a reliably high and constantly stable brightness
- Dual-screen display (3 x 3 MP) on one monitor
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

DISPLAYS - COLOR

EIZO · RadiForce RX440

Pixel matrix 4 MP
Panel size 29.8"
Max. luminance 750 cd / m²

Highlights
- LCD module with 4 megapixel resolution for a reliably high and constantly stable brightness
- Dual-screen display (2 x 2 MP) on one monitor
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

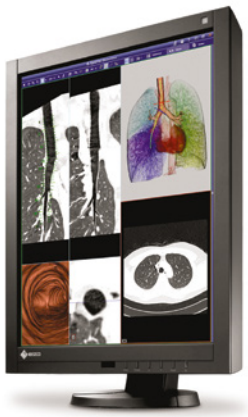
EIZO · RadiForce RX350

Pixel matrix 3 MP
Panel size 21.3"
Max. luminance 1,000 cd / m²

Highlights
- Consistency with DICOM part 14 calibration
- Sharpness recovery function (MTF increases by approx. 52 %)
- Brightness uniformity for a steadier image across the Screen
- Quick brightness stabilization for instant viewing
- Light sensor for measuring the ambient light conditions of the working Environment
- Presence sensor for immediately activating the screen upon your return

EIZO · RadiForce RX240

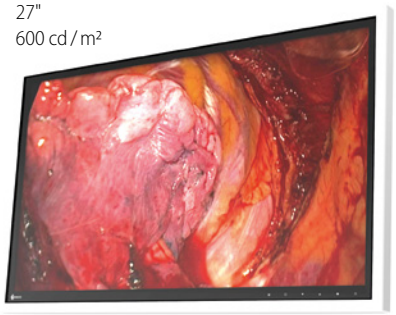
Pixel matrix 2 MP
Panel size 21.3"
Max. luminance 760 cd / m²



Highlights
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Quick brightness stabilization for instant viewing
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

EIZO · RadiForce EX270W

Pixel Matrix 1,920 x 1,080
Panel size 27"
Max. luminance 600 cd / m²



Highlights
- Powerful LED backlight for an optimal presentation of critical images
- Five factory calibrated look-up tables for quick and easy adaptation to diverse application and viewing environments
- Modular concept for targeted integration into current and future systems
- Sleek, encapsulated design with laminated safety glass and an unsurpassed IP rating ideally suited to the OR environment

NEC · Colour Diagnostic Display MD322C8

Pixel matrix 8 MP
Resolution 3,840 x 2,160; Dual 1,920 x 2,160
Panel size 32"

Highlights
- Multiple interface connectors to show 4 x 2MP on one screen, or 2 x 4MP
- Built-in backlight sensor to provide stabilized image quality
- Built-in power supply unit eliminating the need for an external AC adapter

NEC · Colour Diagnostic Display MD302C6

Pixel matrix 6 MP
Resolution 3,280 x 2,048; Dual 1,640 x 2,048
Panel size 30"

Highlights
- Special Anti-Reflection coating ensuring crisp image reproduction
- Flexible hanging protocols possible by connecting one video input with 6MP or dual configuration with 3MP each
- Integrated front sensor and LED backlight supporting the long lifetime

EIZO RadiForce® – Intelligent Solutions for Medical Imaging.

EIZO's professional medical monitors provide doctors around the world with the perfect conditions for highly accurate diagnosis at PACS stations and modalities. All the models in the RadiForce series boast outstanding image quality that is permanently secured by EIZO's own software solutions RadiCS and RadiNET Pro.

Place your trust in EIZO's top quality and benefit from our excellent customer service and maximum security of investment. Because most models in the RadiForce series come with an unusually long warranty of five years. For more information, go to **www.eizoglobal.com**

Visit us at the ECR in Vienna, March 3–6, 2016, Hall X5, Booth 10.

EIZO – The Visual Technology Company

EIZO®

DISPLAYS - COLOR

NEC · Colour Diagnostic Display MD302C4

Pixel matrix 4 MP
Resolution 2,560 x 1,600; Dual 1,280 x 1,600
Panel size 30"

Highlights
- Multiple interface connectors to show one 4MP screen or a dual configuration of 2 x 2MP
- QuickScreenQA for fast DICOM-compliance tests
- Integrated front sensor and LED backlight supporting the long lifetime

NEC · Colour Diagnostic Display MD242C2

Pixel matrix 2 MP
Resolution 1,920 x 1,200
Panel size 24"

Highlights
- Multiple interface connectors to show one 2MP screen or a dual configuration of 2 x 1MP
- QuickScreenQA for fast DICOM-compliance tests
- Integrated front sensor and LED backlight supporting the long lifetime

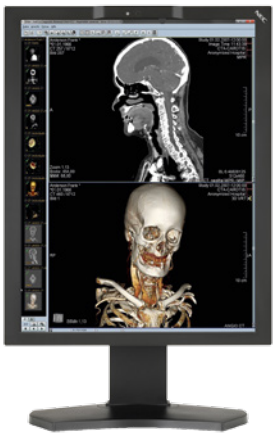
NEC · Colour Diagnostic Display MD211C3

Pixel matrix 3 MP
Resolution 1,536 x 2,048
Panel size 21"

Highlights
- Anti-Glare coating layer minimizing ambient light reflections
- Native 10bit panel supporting up to 1,074 bio total colors
- QuickScreenQA for fast DICOM-compliance tests
- Integrated front sensor and LED backlight supporting the long lifetime

NEC · Colour Diagnostic Display MD211C2

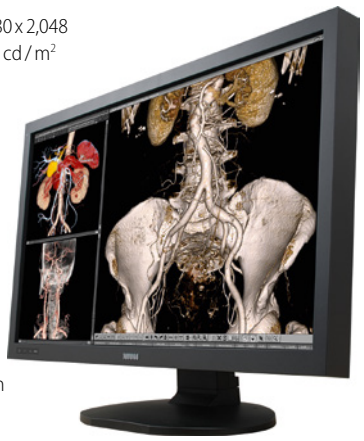
Pixel matrix 2 MP
Resolution 1,200 x 1,600
Panel size 21"



Highlights
- Anti-Glare coating layer minimizing ambient light reflections
- Native 10bit panel supporting up to 1,074 bio total colors
- integrated front sensor and LED backlight supporting the long lifetime
- QuickScreenQA for fast DICOM-compliance tests

TOTOKU · CCL650i2

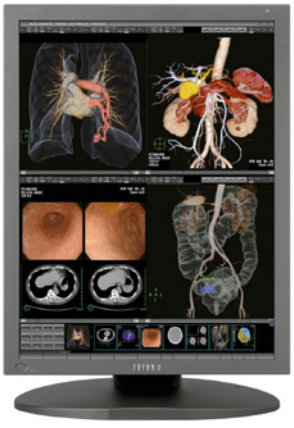
Panel Technology IPS
Panel size 30"
Resolution 3,280 x 2,048
Max. luminance 800 cd / m²



Highlights
- 800 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Dual DVI / DisplayPort Input

TOTOKU · CCL358i2

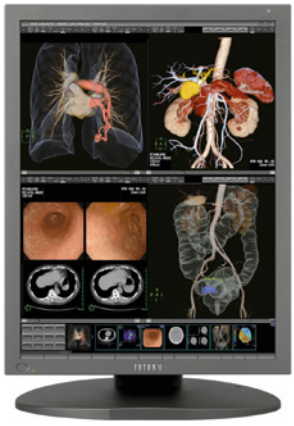
Panel Technology IPS
Panel size 21.3"
Resolution 2,048 x 1,536
Max. luminance 800 cd / m²



Highlights
- 800 cd / m² brightness
- 1400 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

TOTOKU · CCL356i2

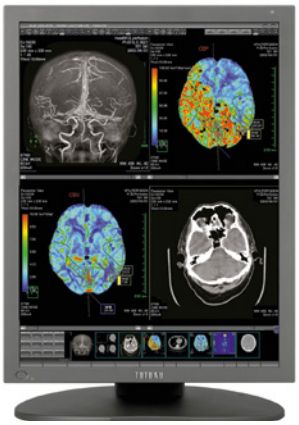
Panel Technology IPS
Panel size 21.3"
Resolution 2,048 x 1,536



Highlights
- 800 cd / m² brightness
- 750 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

TOTOKU · CCL258i2

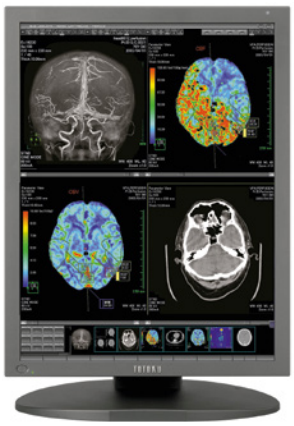
Panel Technology IPS
Panel size 21.3"
Resolution 1,600 x 1,200
Max. luminance 900



Highlights
- 900 cd / m² brightness
- 1400 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

TOTOKU · CCL256i2

Panel Technology IPS
Panel size 21.3"
Resolution 1,600 x 1,200



Highlights
- 950 cd / m² brightness
- 900 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

TOTOKU · CCL240

Panel Technology IPS
Panel size 24.1"
Resolution 1,920 x 1,200

Highlights
- 400 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Optional AR coating

TOTOKU · CCL230

Panel Technology IPS
Panel size 19.6"
Resolution 1,600 x 1,200
Max. luminance 700 cd / m²

Highlights
- 700 cd / m² brightness
- 1000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply

DISPLAYS - CLINICAL REVIEW

Barco · Eonis Family

Panel size 22" / 24"
Resolution 2 MP (1,920 x 1,080)
Max. luminance 250 / 300 cd / m²

Highlights
- Protective toughened, scratch proof glass cover
- 100% cleanable (70% alcohol) design supports hospital infection control initiatives
- IEC 60601-1 for use within 1m of patients
- Desk or cart-mounted for ultimate flexibility
- QA management and asset management
- 3-year warranty incl. front sensor

Barco · MDRC Product Line

Pixel matrix 1 MP
Panel size 19"
Max. luminance 400 cd / m²

Highlights
- Providing consistent DICOM images anywhere, anytime
- Professional LCD quality with exceptional image quality
- Approved for medical use anywhere in the hospital
- Backlight output stabilization and long-life time
- User-friendly calibration and QA
- 3-year warranty

EIZO · RadiForce MX242W

Pixel matrix 2.3 MP
Panel size 24.1"
Max. luminance 350 cd / m²

Highlights
- View more with widescreen and wide viewing angles
- DICOM part 14 compliant, simplified calibration
- Brightness stabilization
- Brightness uniformity for a steadier image across the screen
- Customer assurance with medical standards

EIZO · RadiForce MX215

Pixel matrix 2 MP
Panel size 21.3"
Max. luminance 420 cd / m²

Highlights
- DICOM part 14 compliant plus simplifi ed calibration
- Brightness stabilization
- Selection for optimum viewing
- Customer assurance with medical standards

EIZO · RadiForce MX191

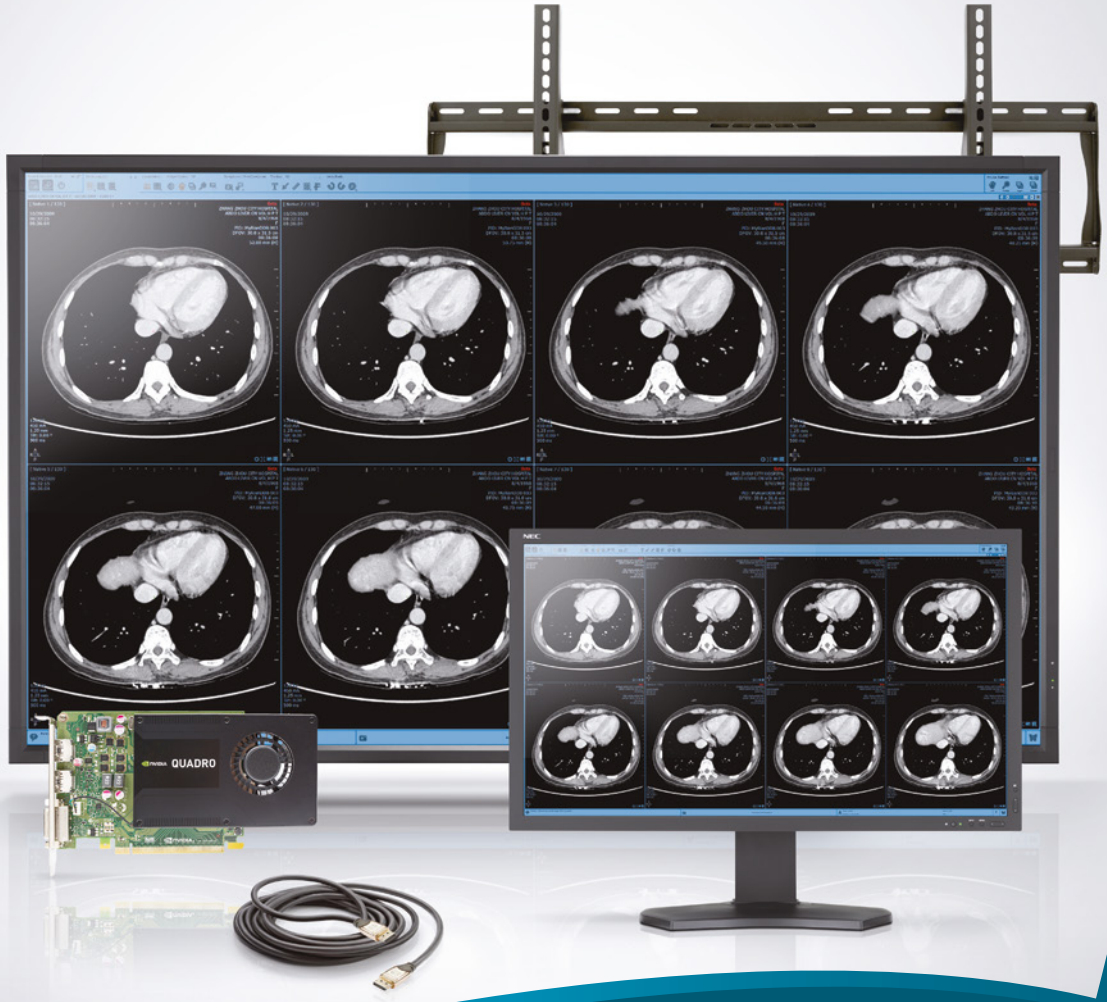
Pixel matrix 1.3 MP
Panel size 19"
Max. luminance 300 cd / m²

Highlights
- DICOM part 14 compliant plus simplified calibration
- Brightness stabilization
- Mode selection for optimum viewing
- Customer assurance with medical standards

NEC · Clinical Review Display MDview272

Panel Technology AH-IPS
Resolution 2,560 x 1,440
Panel size 27"

Highlights
- DICOM preset and hardware-calibration option for medical image viewing
- 14bit LUT supporting DICOM conformance
- Digital Uniformity Control for homogeneous grayscales



NEC 8 MEGAPIXEL MDT ROOM SOLUTION SETS NEW STANDARD FOR RADIOLOGICAL PRACTICE

The NEC MDT Room Solution is a complete solution including everything needed to provide the latest medical meeting room infrastructure. The Medical Desktop and Large Format Display – both 8MP – can be cloned on a pixel to pixel level to provide outstanding image quality without any loss of data or visual detail. This solution helps to establish efficient reviewing processes and diagnostic investigations as well as providing hospitals a future-proof investment in a state of the art technology and quality.

www.medical.nec-display-solutions.com

\Orchestrating a brighter world NEC

DISPLAYS - CLINICAL REVIEW

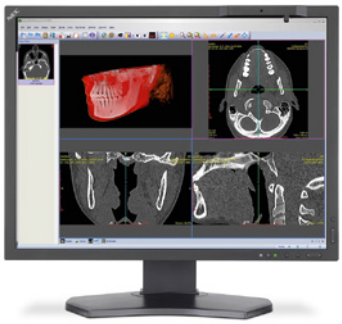
NEC · Clinical Review Display MDview232

Panel Technology IPS
Resolution 1,920 x 1,080
Panel size 23"

Highlights
- DICOM preset and hardware-calibration option for medical image viewing
- 14bit LUT supporting DICOM conformance
- Digital Uniformity Control for homogeneous grayscales

NEC · Clinical Review Display MDC212C2

Panel Technology IPS
Resolution 1,600 x 1,200
Panel size 21.3"

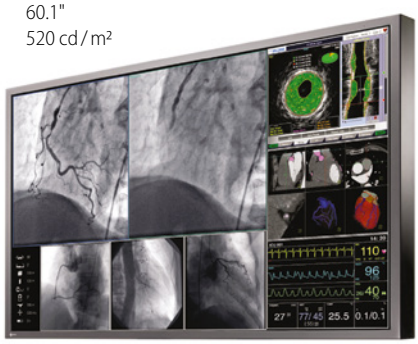


Highlights
- Certified Medical Product (MDD regulation)
- Integrated front sensor, ambient light sensor and human sensor
- QA scheduler for stable DICOM conformance tests independent of software installed on the workstation

DISPLAYS - LARGE FORMAT

EIZO · RadiForce LX600W

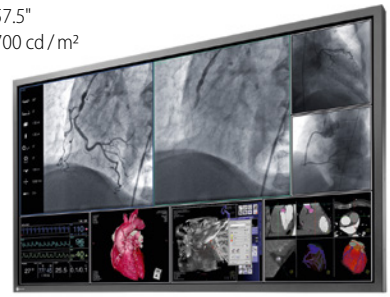
Pixel matrix 8 MP
Panel size 60.1"
Max. luminance 520 cd / m²



Highlights
- Multi monitor scenarios in a single glance
- Environmentally-friendly LED backlight
- Diagnostic precision with factory adjustment
- Quick brightness stabilization for instant viewing
- Wide range of input and output support

EIZO · RadiForce LS580W

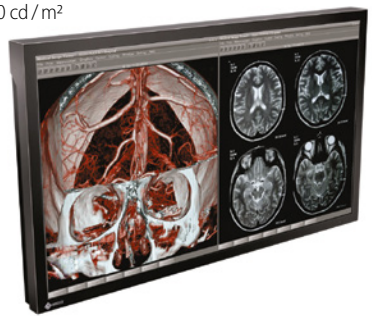
Max. luminance 8 MP
Panel size 57.5"
Pixel matrix 700 cd / m²



Highlights
- 58-inch LCD module with 8 MP (4k ultra HD) resolution
- Redundant components architecture for a high degree of operational reliability
- Grayscale tones adjusted to DICOM Part 14 standard for optimum viewing of medical DICOM images
- Five user-selectable 11-bit look-up tables enable accurate viewing of any type of medical Image Homogeneous brightness uniformity across the entire screen

EIZO · RadiForce LX470W

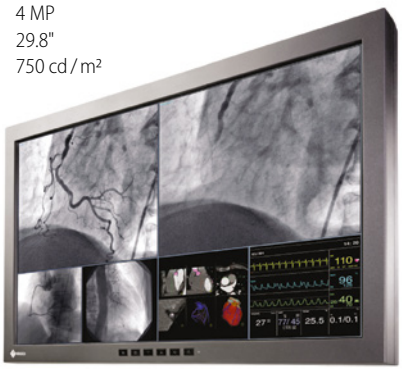
Pixel matrix 2.1 MP
Panel size 47"
Max. luminance 700 cd / m²



Highlights
- Wide viewing angles for multiple people use
- Diagnostic precision with factory adjustment
- Consistency with DICOM part 14 calibration
- Quick brightness stabilization for instant viewing
- Wide range of input and output support

EIZO · RadiForce LX300W

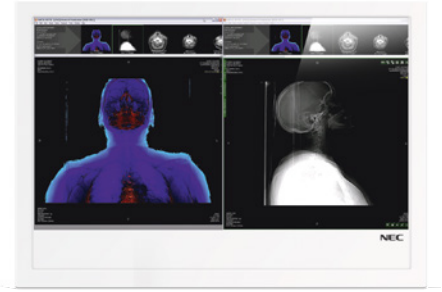
Pixel matrix 4 MP
Panel size 29.8"
Max. luminance 750 cd / m²



Highlights
- Multi monitor scenarios in a single glance
- Environmentally-friendly LED backlight
- Diagnostic precision with factory adjustment
- Quick brightness stabilization for instant viewing
- Customer assurance with medical standards

NEC · Operating Room Display MD462OR

Panel Technology S-PVA
Resolution 1,920 x 1,080
Panel size 46"



Highlights
- IP55-proteced 46"
- DICOM preset and hardware-calibration option for medical image viewing
- Multiple interface connectors available for any medical equipment in the OR
- OPS slot for easy integration of Slot-in PC (Intel Core i7 4 x 2,4 GHz)

PRINTER

Agfa · DRYSTAR 5503

Technology Direct digital imaging
Capacity 100 films / h (14 x 17)
Resolution 508 dpi / 50 µm pixelsize

AGF-DryStar5503.psd
- Multi-modality, high throughput imager with film sorter
- Ideal for centralized workflow, can easily be connected to the network
- Integrated A#Sharp technology for optimized image quality
- Three multi-format trays, each supporting different film sizes and types
- Suitable for CT, MRI, DSA, digital R / F, CR, DR and optional mammography applications

Agfa · DRYSTAR AXYS

Technology Direct digital imaging
Capacity 75 films / h (14 x 17)
Resolution 508 dpi / 50 µm pixelsize

AGF-DryStarAXYS.psd
- Flexible, tabletop imager delivering mammography-quality images
- Multi-application hardcopy solution, including digital mammography
- Integrated A#Sharp technology for optimized image quality
- Two multi-format trays, each supporting different film sizes and types
- Very short access time for extremely fast delivery of first four prints

Agfa · DRYSTAR 5302

Technology Direct digital imaging
Capacity 75 films / h (14 x 17)
Resolution 320 dpi

AGF-DryStar5302.psd
- Suitable for all applications and ideal for CR / DR
- A#Sharp technology for optimized image quality
- Convenient imaging with two media sizes on-line (multi-format)
- Very short access time ensures fast printing of small print jobs

Agfa · DRYSTAR 5300

Technology Direct digital imaging
Capacity 70 films / h (14 x 17)
Resolution 320 dpi

AGF-DryStar5300.psd
- Tabletop, next-to-application Direct Digital Imager
- Suitable for all applications and ideal for CT / MR
- Reliable, low maintenance printer
- A#Sharp image enhancement for excellent quality
- Very short access time ensures fast printing of small print jobs

medigration · DICOM PaperPrint

Format DIN A3, 11 x 17 inch
Capacity Up to 120 paper prints / h
Resolution 1.200 x 2.400 dpi (print), 600 x 600 dpi (copy)

Highlights
- Supports all DICOM 3.0 modalities (e. g. CT, MRT, CR, DR, US, NUK, etc)
- Supports one or more PostScript printers within the network
- General licence package (no restrictions on how many DICOM modalities are connected)
- Image header and footer customizable incl. physician logo
- Separate LUT (Look Up Table) for each printing system
- GSDF calibration according IHE

CD- / DVD-ROBOT

CHILI · Burn Gateway

Highlights
- Receives data by DICOM C-Store
- Burns data on one or more CD / DVDs
- Optional reports
- Individual label printing
- Client enabled (different logos)
- CHILI viewer in report quality
- Alternative presentation as HTML / jpeg
- Certified by OFFIS and DRG
- Works with any PACS
- External output tray!

CHILI · Import Robot

Highlights
- Automatic import robot
- Import of patient CD / DVD
- 2, 5 or 10 drives
- 2 import trays (regular / express)
- 2 output trays (ok, failed)
- Optional virus scan
- Correction of foreign data
- Automatic DICOM transfer
- Works with any PACS

medigration · CD-Imager

Format	CD-R, DVD-R, DVD+R, DVD-R DL, DVD+R DL
Capacity	30 CDs / h or 15 DVDs / h (burn and print)
Magazine size	2 x 50 pcs

Highlights
- Fully automatic compact system for creating DICOM patient CDs or DVDs
- Highly compatible with all digital DICOM modalities (multimodality)
- Individual labeling (practice / clinic logo)
- Easy integration of DICOM patient data
- Extremely cost effective due to quick printing times and low link consumption

ACCESSORIES / COMPLEMENTRAY SYSTEMS

EIZO · RadiCS – Quality Control Software for Displays

Highlights
- Acceptance and Constancy Testing in Easy Steps
- DICOM Part 14 Calibration
- History Recording and Report Generator
- Flexible Schedule Setting
- Intelligent Hands-Off Check

EIZO · RadiNET Pro – Network QC Management for Displays

Highlights
- Centralized Management of up to 8,000 Monitors
- Instant Notification for Immediate Maintenance
- Time Saving Remote Calibration
- Easy-to-Use Web-Based Application

CHISON

Value Beyond Imaging

QBit

EBit

1996 - 2016
Years Anniversary

CHISON MEDICAL IMAGING CO.,LTD
TEI: 0086-510-85310593
EMAIL: Export@chison.com.cn
WWW.CHISON.COM

Ultrasound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Chison · EBit

Mode B, C, CPA/DPD, PW/CW, TDI, Color M
Transducer inputs 2
Scan format Convex, linear, phased array, micro-convex

Highlights
- Breakthrough new technologies: THI, Space Compound Imaging, SRA, FHI, X-contrast, Q-flow, Q-beam, Q-image
- Built in battery ≥ 2 hours (option)
- 30 degree rotatable LED screen
- Full Screen Mode
- Advanced Cardiovascular Packages: Steering M, Color M, CW, TDI, Auto IMT
- About 7.5kg (with battery), convertible design
- Wide Range of transducers
- 18 MHz High Frequency Linear Probe

Chison · QBit 9

Mode CW, TDI, Free M mode, Color M mode, ECG
Transducer inputs 4
Scan format Convex, linear, transvaginal, phased array, 4D volume, micro-convex

Highlights
- Hassle-Free maintenance (Hero Kit)
- Breakthrough new technologies : FHI,X-contrast, Q-flow, Q-beam, Q-image
- Stress Echo
- Elastography
- Advanced 4D technologies: Virtual HD, Depth View
- High definition digital output ports: DVI
- Built in battery 80 min (option)

Chison · QBit 7

Mode CW, TDI, Free M mode, Color M mode, ECG
Transducer inputs 4
Scan format Convex, linear, transvaginal, phased array, 4D volume, micro-convex

Highlights
- Versatile diagnostic solutions.
- Intelligent workflow, simplified keyboard
- Advanced 4D technologies: Virtual HD, Depth View
- Breakthrough new technologies : FHI, X-contrast, Q-flow, Q-beam, Q-image
- Built in battery 80 min (option)
- CW, TDI, Free M mode, Color M mode, ECG

Chison · i9

Mode B, 2B, 4B, B / M, 2D Steer BC, CFM PW, HPRF, CW PD, Directional PD Instant Triplex, Duplex, Quadplex Trapezoidal Curved Panoramic Imaging(option) 4D (option) Chroma B / M / PW / CW ECG (option) Free Steering M (option) Color M (option)
Transducer inputs 4

- 19" high definition LED monitor with 270° rotation angle
- 10.4" touch screen for more user friendly workflow
- Integrated gel warmer
- 2.5 MHz – 18 MHz operating frequency range
- THI, SRA, Fusion harmonic
- Universal Compound Imaging
- i-Image / 2D Steer / Curved Panoramic Imaging
- IMT / Elastography / Super needle
- Advanced 4D technologies: 4D probe and display package, Virtual HD, Depth view
- Professional Cardiac packages

Chison · i8

Mode B, 2B, 4B, B / M, 2D Steer BC, CFM PW, HPRF, CW PD, Directional PD Instant Triplex, Duplex, Quadplex Trapezoidal Curved Panoramic Imaging(option) 4D (option) Chroma B / M / PW / CW ECG (option) Free Steering M (option) Color M (option)
Scan format Convex,Linear,Transvaginal,Phased array,4D Volume,Micro-Convex
Transducer inputs 4

Highlights
- 19" high definition LCD Monitor, 4 probe connectors
- Advanced 4D technologies: 4D probe and display package, Virtual HD, Depth View
- Advanced Imaging Technologies: THI, SRA, Compounding, i-Image, Quardplex
- Elastography, Super Needle, 2D Steer
- Shared Service: Cardiac, Vascular, AB, OB / GYN, MSK, Small Parts, Urology and Pediatric
- Professional Cardiac package

Chison · i3

Mode B, 2B, 4B, B / M, M CFM PW Mode Power Doppler / Directional PD Trapezoidal Real-time 4D (Option) Chroma B / PW
Scan format Convex probe Linear probe Linear probe (60mm) Transvaginal probe Micro-Convex probe 4D Volume probe Wideband, Multi-frequency
Transducer inputs 4

Highlights
- 19" LCD, 4 probe connectors
- Advanced 4D technology
- Superb image: Compound imaging, SRA, i-Image
- Comprehensive OB & GYN package
- Streamlined workflow
- EasyView archive system
- DICOM 3.0, PC & Video printer
- Great value for OB & GYN, General imaging

Chison · SonoTouch 30

Mode B, CFM, PW,M,2B,4B
Transducer inputs 1 for main unit, 3 with cart (option)
Weight 7 kg

Highlights
- Touch screen, icon-driven, easy to use
- Quick boot within 30 seconds
- Long battery life up to 2.5 hours
- Compact, durable, water proof (from panel)
- High resolution LED screen
- Portable stand with adjustable viewing angles
- Versatile imaging functions and report management software
- USB and DICOM 3.0
- Super Needle
- B, CFM, PW, M, 2B, 4B

Chison · Q9

Mode B, 2B, 4B, B / M, 2D Steer BC, CFM PW, HPRF, CW PD, Directional PD Instant Triplex, Duplex, Quadplex Trapezoidal Curved Panoramic Imaging(option) 4D (option) Chroma B / M / PW / CW ECG (option) Free Steering M (option) Color M (option) TDI (option)
Scan format Convex, Linear, Phased array, Volume, Micro convex
Transducer inputs 2

Highlights
- 15" high definition LCD Monitor
- Dual probe connectors
- Advanced 4D technologies: 4D probe and display package, Virtual HD, Depth View
- Advanced Imaging Technologies: THI, SRA, Compounding, i-Image, Quardplex
- Elastography, Super Needle
- Shared Service : Cardiac, Vascular, ABD, OB / GYN, MSK, Small Parts, Breast, Urology and Pediatric

Chison · Q5

Mode B, 2B, 4B, B / M, M CFM PW Mode Power Doppler / Directional PD Trapezoidal Real-time 4D (Option) Chroma B / PW
Scan format Convex, Linear, Transvaginal, Transvaginal, Volume, Micro-Convex
Transducer inputs 2

Highlights
- 15" LCD monitor
- Advanced 4D technology: 4T (Fast, Light, Quiet, Smart)
- Professional OB report package
- B, CFM, PW, Power Doppler and Directional Power Doppler
- Trapezoidal Mode
- Streamlined workflow
- Dual probe connectors
- Advanced technologies: SRA, Compound Imaging, THI, i-Image

Chison · ECO5

Mode B, C, M, PW
Scan format B, B / B, 4B, M, B / M, CFM, PW, Trapezoidal
Transducer inputs 2
Weight 6.5 kg (with built-in battery)

Highlights
- Ultra-portable color ultrasound system
- PW Doppler with auto-trace
- Additional phased array probe
- Wide viewing angle (0 – 180°), from left to right
- Built-in battery (> 2 hours)
- 12 inch rotatable LED monitor (0 – 30°)
- One key to full screen
- 8G memory card

Chison · ECO 3 EXPERT

Mode B, 2B, 4B, B / M, M, PW
Transducer inputs 2
Scan format Convex, linear, transvaginal , micro-convex

Highlights
- 30 degree rotatable LED screen: better resolution & economy
- Advanced image techonology: THI, SRA, i-Image, Compound imaging
- Long battery life: >2 hours
- Professional accessories: Carry case (BG-100)
- Better solution with Cart TR 9000, Anti-water keyboard cover
- User-friendly and modern design
- Streamlined workflow(6-one-key step)
- Chroma

Chison · ECO1

Mode B, B / B, 4B, M, B / M
Scan format Convex, Linear, Micro-Convex, Transvaginal
Transducer inputs 2
Weight 6.5 kg (with built-in battery)

Highlights
- Advanced image technologies: THI, SRA, i-Image, Compound imaging
- 8G memory card
- Dual probe connectors
- Trapezoidal
- High resolution LED monitor 30° rotatable
- One key to full screen
- Anti-water keyboard cover
- Chroma
- Better solution for accessories: Carry case & CartTR9000

KONICA MINOLTA

SONIMAGE HS1

POWERFUL & PORTABLE

Sonimage HS1 Ultrasound System for crystal clear imaging

Sonimage HS1 is Konica Minolta's powerful and portable Ultrasound System for use in a variety of clinical environments. It is a true point-of-care system with an intuitive interface for easy operation in the most demanding situations. Whether you are an orthopedist, pain management specialist or anesthesiologist, high definition imaging is always key. Sonimage HS1 brings you crystal clear image quality wherever and whenever you need it.

Visit us at ECR 2016 for a live demonstration: Expo X5, booth #3

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Giving Shape to Ideas

Esaote · Esaote MyLab Eight

Mode 2D, 3D, 4D, M, CMM, CFM, PWD, XFlow, SWE, PW, CW, CnTI and others

Scan format Convex, Linear, Phased Array, Extended, 3D Panoramic and Volumetric

Transducer inputs 4 probe connectors

Highlights

- Premium system with MPowered beamforming to optimize high-density and Single Crystal transducers
- State of the art visualization with WideView technology for crispy details, deep image contrast and extensive image size
- Superb Imaging, hemodynamics and tissue stiffness quantification with an extensive package of Advanced Technologie (QElaXto Shear Wave Elastography, XFlow, CnTI, Virtual Navigator Fusion Imaging)

Esaote · Esaote MyLab Twice eHD ChrystaLine

Mode 2D, 3D, 4D, M, CMM, CFM, PWD, XFlow, PW, CW, CnTI and others

Scan format Convex, Linear, Phased Array, Extended, 3D Panoramic and Volumetric

Transducer inputs 4 & 1 probe connectors

Highlights

- Premium system with Point-of-Care portable ultrasound unit optionally integrated
- High level Ergonomics with intuitive Touch Screen panel, user friendly workflow and App based MyLabRemote tool for remote control though Smartphone or Tablet
- Superb Imaging, Color and Spectral Doppler with Advanced Technologies (ElaXto, CnTI, Virtual Navigator Fusion Imaging) applicable to different types of transducer and to extensive range of clinical applications

Esaote · MyLabClassC

Mode 2D, 3D, 4D, M, CMM, TVM, CFM, PW, CW, PWD, XFlow CnTI and others

Scan format Convex, Microconvex, Linear, Phased Array, Extended, 3D Panoramic and Volumetric

Transducer inputs 4 & 1 probe connectors

Highlights

- High-end System, perfect choice for high performance combined with excellent ergonomics (OptiLight and MyLabRemote) and user friendly workflow
- Superb Imaging, Color and Spectral Doppler with Advanced Technologies (ElaXto, Low MI CEUS, Fusion Imaging, 3D & 4D, QIMT, QAS, XFlow, HD CFM, Frequency range up to 22 MHz)
- Multidisciplinary Digital Platform for General Imaging, Women's Health, Cardiovascular, MSK

Esaote · Esaote MyLab Seven

Mode 2D, 3D, 4D, M, CMM, CFM, PW, CW, PWD, XFlow and others

Scan format Convex, Linear, Phased Array, Extended, Panoramic and Volumetric

Transducer inputs 4 probe connectors

Highlights

- Confident diagnosis in an innovative system design to deliver high-class imaging performance in compact size
- Touch-screen centered user interface allows automatic workflow features: eTouch, Protocols, SmarTouch
- Fully customizable user interface to have always the best workflow in any clinical application and setting
- Advanced features available, i. e.: ElaXto, CEUS, 3D / 4D, QIMT, QAS RF-based arterial stiffness, XStrain4D

Esaote · Esaote MyLabSix ChristaLine

Mode 2D, 3D, 4D, M, CMM, CFM, TVM, PW, CW, PWD and others

Scan format Convex, Microconvex, Linear, Phased Array, Extended, Panoramic and Volumetric

Transducer inputs 3 probe connectors

Highlights

- MyLabSix offers high level Image Quality in a Compact Design
- eDesign product to maximize user comfort and diagnostic confidence
- 19" Wide screen monitor, Touch Screen and easy workflow
- Extended transducer range, offering also Hockey Stick High Frequency, Biopsy dedicated convex transducer, TEE, Endocavity, Surgery and Laparo-scopic transducers
- Ultra-low power consumption: Esaote Eco Efficiency engine
- Advanced technologies available such as, QIMT, 3D / 4D

Esaote · MyLabAlpha

Mode 2D, 3D, 4D, M, CMM, TVM, CFM, PW, CW, PWD, XFlow and others

Scan format Convex, Microconvex, Linear, Phased Array, Extended, Panoramic and Volumetric

Transducer inputs 2 on board, 4 with cart

Highlights

- MyLabAlpha is a premium portable system, designed to deliver top performance for both imaging and ergonomics in small size and weight
- Portable ultrasound system for Radiology, Cardiovascular, MSK, Rheuma, OB-Gyn, POC as well as Surgery and Interventional Radiology
- Advanced technologies available such as ElaXto, CEUS, XStrain4D, QIMT and QAS Arterial Stiffness tool, 3D / 4D

Esaote · MyLabGamma

Mode 2D, 3D, 4D, M, CMM, TVM, CFM, PW, CW, PWD and others
Scan format Convex, Microconvex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs 2 on board, 4 with cart

Highlights
- MyLab Gamma sets ultrasound free bringing superb quality imaging and fast, confident diagnosis to the Point-of-Care in any situation – wherever and whenever
- Incorporating high resolution imaging, advanced technologies, and supporting a range of probes it is an optimal solution for Cardiovascular, General Imaging, MSK, OB-Gyn, Emergency
- Esaote Eco Efficiency product with ultra-low power consumption; eDesign advanced ergonomics solutions for system and transducers.
- Advanced technologies available such as, QIMT, 3D / 4D

Esaote · MyLabOne

Mode 2D, M, CFM, PWD, PW and others
Transducer inputs 1 on board, 3 on roll stand
Scan format Convex, Linear, Phased Array and Extended

Highlights
- Dedicated solution for Point Of Care
- Intuitive user interface, fully touch screen
- Wireless connectivity
- Fast workflow / Easy to clean / On-board MyLibrary
- Remote controls integrated on the transducers
- NNE technology for enhancement of needle visibility
- XHF technology: Frequency up to 22 MHz
- QIMT and QAS tools, for accurate and easy assessment of IMT and arterial stiffness, based on RF technology

FUJIFILM SonoSite · EDGE II

Mode B mode, M mode, Tissue Harmonic Imaging, Velocity Color Doppler, Color Power Doppler, PW, PW Tissue Doppler, CW
Scan format Linear, curved and phased array, multiplane TEE and micro-convex
Transducer inputs 1 for main unit, 3 with TTC option
Weight 3.85 kg

Highlights
The Edge II offers you enhanced imaging experience through industry-first transducer innovations like DirectClear and Armored Cable Technology. Because it's a SonoSite, the Edge II stays true to our design pillars: durability, reliability & ease of use. It offers a compact clamshell design that exceeds expectations for infection control and featuring enhanced cardiac & abdominal imaging experience.

FUJIFILM SonoSite · iViz

Mode 2D, M-Mode, Colour Doppler and THI, with multiple optimisation setting
Scan format Broadband and Multifrequency Phased Array
Transducer inputs 1
Weight 520 g

Highlights
iViz augments the value of ultrasound for clinical users from hospitals to clinics in remote villages with the ability to perform ultrasound when and where it's needed. It delivers fast and improved patient care with superior clarity, mobility, and unprecedented connectivity. Users can easily access patient records, store exams, submit reports, and consult with remote providers for assessments.

FUJIFILM SonoSite · M-Turbo

Mode B mode, M mode, Tissue Harmonic Imaging, Velocity Color Doppler, Color Power Doppler, PW, PW Tissue Doppler, CW
Scan format Linear, curved and phased array, multiplane TEE and micro-convex
Transducer inputs 1 for main unit, 3 with TTC option
Weight 3.4 kg

Highlights
The M-Turbo's engineered for striking image quality, durability and ease of use. It lets you visualise detail, improving your ability to differentiate structures, vessels and pathology. The M-Turbo ultrasound system offers an advanced set of features with a wide array of connectivity options that seamlessly connects you to hospital information networks and your own PC.

FUJIFILM SonoSite · NanoMaxx

Mode B mode, M mode, Color Doppler, Color Power Doppler
Scan format Linear, curved and phased array
Transducer inputs 1
Weight 2.7 kg

Highlights
With its unique one-button control, high-quality diagnostic imaging, and full-color flow mapping, the NanoMaxx ultrasound system is designed to address the needs of physicians making key clinical decisions or guiding interventional procedures. It's portable & incredibly tough, has an easy to disinfect splash resistant touch screen interface and combines performance with affordability and simplicity.

FUJIFILM SonoSite · S Series

Mode B mode, M mode, Tissue Harmonic Imaging, Color Doppler, Color Power Doppler, PW, PW Tissue Doppler, CW

Scan format Linear, curved and phased array, multiplane TEE and micro-convex

Transducer inputs 1

Weight 3.8 kg

Highlights

The S Series ultrasound systems are designed to be mounted to a wall, ceiling or cart and is custom designed for your practice. It has simplified controls that let you focus in on your target areas in a matter of seconds. High-resolution images help you see exactly where to perform procedures and allow for accurate diagnoses when treating patients.

FUJIFILM SonoSite · X-Porte

Mode 2D Broadband imaging, Tissue Harmonic Imaging, Pulse Inversion Harmonic Imaging, M Mode (update and simultaneous), Velocity Colour Doppler, Colour Power Doppler, Pulsed Wave Doppler, Pulsed Wave Tissue Doppler, Continuous Wave Doppler, ECG

Scan format Linear, curved and phased array, multiplane TEE and micro-convex

Transducer inputs 3

Highlights

X-Porte represents a new approach to clinical ultrasound. At the sweep of your hand, it responds quickly and intelligently to your imaging needs. Its self-explanatory control panel makes system navigation easy and its sealed touch screen has no buttons for pathogens to hide behind. X-Porte's slender profile makes it easy to maneuver alongside beds and exam tables for visualization and procedures.

GE Healthcare · LOGIQ E9 XDclear 2.0

Modus B-mode, M-mode, CFM-mode, HiRes Contrast, TVI, stressecho, Auto-IMT, Doppler, shear wave elastography, LogiqView, realtime 4D, volume navigation, needle tracking, color-coded B-Flow, parametic imaging

Scan format Linear, convex, microconvex, sector phased array, trapezoid, 3D/4D

Transducer inputs 4

Highlights

- Extraordinary images: agile ultrasound beamformers with acoustic models, Matrix Array transducer technology, single crystal, CrossXBeam, SRI
- Expert tools: contrast imaging with new HiRes + amplitude modulation settings, elastography + PDI with quantification, realtime 4D in CEUS mode, volume navigation with fusion GPS + needle tracking
- Easy workflow: scan assistant, raw data imaging, Q&R with multimodality imaging navigation

GE Healthcare · LOGIQ S8 XDclear

Modus B-mode, M-mode, CFM-mode, Doppler, B-flow, contrast, TVI, stressecho, Auto-IMT, elastography, LogiqView, parametric imaging, volume navigation, needle tracking, Quick Start

Scan format Linear, convex, microconvex, sector phased array, biopsy convex, Biplane TRT and TEE

Transducer inputs 4 active ports + 1 parking slot

Highlights

- Superb imaging: S-Agile ultrasound beamformers, matrix array transducer technology, single crystal, contrast imaging with amplitude modulation settings, elastography with quantification, B-flow imaging
- Simplified workflow: slim and light console, fully flexible configuration
- Scalable to your needs: wide applications coverage to maximize scan productivity.
- Scan assistant, raw data imaging

GE Healthcare · LOGIQ S7 V2

Modus B-mode, M-mode, CFM-mode, Doppler, B-flow, contrast, TVI, stressecho, Auto-IMT, elastography, LogiqView

Scan format Linear, convex, microconvex, sector phased array, Biplane TRT and TEE

Transducer inputs 4

Highlights

- Farbtriplex system
- Flexible system concept allows tailoring to individual requirements
- Facilitated with innovations such as B-Flow, elastography, etc.
- Beyond standards in terms of ergonomics

GE Healthcare · LOGIQ P7 / P9

Modus B-mode, M-mode, CFM-mode, Doppler, B-flow, contrast (LP9), TVI, stressecho, Auto-IMT, LogiqView, elastography, Quick Start

Scan format Linear, convex, microconvex, sector phased array

Transducer inputs 3+1 (optional)

Highlights

- Touchscreen concept allows an intuitive and quick operation
- Numerous innovative assistance functions with an extended range of applications support a confident diagnosis
- LOGIQView (panoramic imaging)
- Modern and high-resolution widescreen monitor

GE Healthcare · LOGIQ F8

Modus B-mode, tissue harmonics, M-mode, Color-M-mode, CFM, Power Doppler Imaging (PDI), directional PDI, PW-Doppler with High-PRF, scan assistant, scan coach; optional: anatomical M-mode, CW-Doppler, LogiqView, TVI Mode, 3D/4D

Scan format Convex, linear, microconvex, sector phased array, realtime 4D volume

Transducer inputs 3 (4 optional)

Highlights
- Outstanding display properties as well as numerous innovative assistance functions support a confidant diagnosis
- Compatible with a wide range of transducers and different software packages
- Can be used in nearly all medical disciplines

GE Healthcare · LOGIQ P6

Modus B-mode, M-mode, CFM-mode, Doppler, B-flow color, coded contrast harmonic, stressecho, EKG, anatomical M-mode, 3D/4D

Scan format Linear, convex, microconvex, sector phased array, trapezoid

Transducer inputs 3

Highlights
- Compact shared service system
- B-flow color (digitally substraction technique)
- CrossXBeam realtime compound and speckle reduction imaging
- LOGIQView (panoramic imaging)
- Auto optimize (For B-mode, color, Doppler)
- Digital archive with RawData support
- Matrix array transducer support
- Elastography

GE Healthcare · Venue 50

Modus Black and white mode for displaying anatomy in real-time, Color-coded overlay for real-time blood flow imaging

Scan format Linear, convex, phased array

Transducer inputs 1 (expandable to 3 with Cart)

Highlights
- No buttons, no knobs, no keyboard - easy to use at the point of care
- Concurrent acquisition technology provides fast, high-resolution imaging to easily visualize anatomy and needle placement
- Pre-configured settings for different applications
- Can be flexibly taken from place to place when using a universal dock system or a table station

GE Healthcare · LOGIQ e R7

Modus B-mode, M-mode, CFM-mode, Doppler

Scan format Linear, convex, microconvex, sector phased array, trapezoid, TEE

Transducer inputs 1 (expandable to 3 with Cart)

Highlights
- Portable premium system with shared service capabilities
- Hockey stick probe for interventional
- Needle recognition feature for a better needle imaging
- CrossXBeam, B-steer and SRI imaging
- LOGIQ view (panoramic imaging)
- High frequency imaging up to 18 MHz for vascular and musculoskeletal exams
- Musculoskeletal suite with 2D PDI quantification and patient follow up settings

GE Healthcare · Vscan

Modus Black and white mode for displaying anatomy in real-time, Color-coded overlay for real-time blood flow imaging

Scan format Field-of-View for black and white imaging: up to 75 degrees with maximum depth of 25 cm, the color flow sector represents blood flow within an angle of 30 degrees

Weight 390 g (unit and probe)

Highlights
- The size of a smart phone: Vscan ultrasound is helping redefine the speed and depth of patient care
- Patient imaging – immediately and non-invasively – during the physical exam
- Visually validate what you feel and hear
- Small and lightweight, Vscan slips easily into a lab coat pocket
- The ample battery capacity provides over one hour of scanning on a single charge

GE Healthcare · Vscan Dual Probe

Modus Black and white mode for displaying anatomy in real-time, Color-coded overlay for real-time blood flow imaging

Scan format linear, phased array

Weight 400 g

Highlights
- The size of a smart phone – one-hand operation
- Patient imaging – immediately and non-invasively – during the physical exam
- System is equipped with a completely redesigned transducer (linear array and phased array transducer)
- Small and lightweight
- Harmonic Imaging and Color Doppler – able to differentiate between stationary and flowing liquids

Hitachi · HI VISION Ascendus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow-mode; triplex; TDI; shear wave and strain elastography; contrast harmonic imaging; freehand 3D; 4D; Real-time Virtual Sonography; Real-time Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights
- Award-winning, ergonomic design
- Graphical user interface incorporating smart tab menus, image thumbnails and touchscreen panel for image optimisation
- Advanced signal processing for all-round high performance imaging
- Optional expert modalities such as strain elastography, CEUS and multi-modality fusion imaging
- Supports leading edge technologies such as Shear Wave Measurement and 4D-elastography

Hitachi · ProSound F75

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow-Flow Emphasis; triplex-mode; TDI and 2DTT; RT-Elasto; BbH tissue & contrast; RT-3D-tissue and contrast; freehand 3D

Scan format Sector, linear, convex, trapezoid, ext. Field of View

Transducer inputs 4 active ports

Highlights
- Unique ergonomic design for wide applications range
- AutoIMT, NT, eTracking and WI, contrast analysis
- Hi-Freq compound probe for MSK and SmallPart
- New eFlow morphological tool for high sensitivity microvascular map
- eTracking / Wave Intensity for easy artery stiffness assessment
- Full 3D / 4D capabilities in a variety of application including MSK, Small Parts and Cardiac with 3DTEE probe

Hitachi · ARIETTA V70

Mode B & M-mode; free angle M-mode; PW and CW Doppler; Triplex; Dual Gate Doppler; TDI; color and power Doppler; eFlow-Flow Emphasis; SWM and strain Elastography; Contrast Harmonic Imaging; Free Hand 3D; 4D; Real-time Virtual Sonography

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, Dual Slow-Motion Display, Wideview panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights
- Multi-disciplinary platform, ergonomic design
- Symphonic Technologies underpin high quality of diagnostic images
- High quality 21" IPS-PRO high contrast monitor
- Wide range of transducers for interventional guidance, urology and TEE applications
- Advanced modalities: SWM, Real-time Elastography, CEUS, RVS Fusion
- Advanced analysis: Time Intensity Curve, eTracking/Wave Intensity, 2D Tissue

Hitachi · ARIETTA V60

Mode B & M-mode; free angle M-mode; PW and CW Doppler; Triplex; Dual Gate Doppler; TDI; color and power Doppler; eFlow-Flow Emphasis; Elastography; Contrast Harmonic Imaging; Free Hand 3D; 4D

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, Dual Slow-Motion Display, Wideview panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights
- Lightweight compact multi-disciplinary platform with ergonomic design
- Symphonic Technologies underpin outstanding image quality
- High quality 17 inch IPS-PRO LCD
- Wide range of transducers include interventional guidance, urology and TEE applications
- Advanced modalities & analysis: Strain Elastography, CEUS, Time Intensity Curve, eTracking

Hitachi · ARIETTA Precision

Mode B, Dual (DDD, DSD), Quad, B / M, B / PW, B / CW, Triplex, M, Free angular M, PW, CW, Colour Flow, Power Doppler, eFlow, TDI

Scan format Sector, linear and convex array, trapezoid, panoramic field of view, 360° FOV

Transducer inputs 3 active ports

Weight Total components approx. 30 kg

Highlights
- For surgical use, full range of transducers
- High image quality - uses same advanced image processing technologies as high-end systems
- 21.5 inch monitor incorporates a full touch panel
- Tablet-style remote allowing a flexible layout in the OR
- Simple and intuitive to use with automatic image optimisation and presets
- All parts fully compatible with commonly-used disinfectant procedures

Hitachi · ARIETTA Prologue

Mode B, B-Zoom, Dual (DDD, DSD), Quad, B / M, B / PW, B / CW, Triplex, M, Free angular M, PW, CW, Colour Flow, Power Doppler, eFlow, TDI, Needle Emphasis

Scan format Sector, linear and convex array, trapezoid, Extended Field of View

Transducer inputs 1 smart connector

Weight 4.5 kg

Highlights
- For POC use
- Compact design, high mobility, in-built battery for portable use
- Simple and intuitive to use, tablet-style with touch screen control
- Hand carry, can be used with probe tray or cart
- Ethernet, Wi-Fi, Bluetooth network connections
- Option of 9 transducers, offers high quality imaging for a broad range of applications including MSK, rheumatology, emergency medicine, anaesthesiology

Hitachi · HI VISION Preirus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; freehand 3D; 4D; Real-time Virtual Sonography; realtime Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights

- Three types tissue harmonic imaging (choice of frequencies)
- Award-winning, unique ergonomic design gives increased system flexibility
- Tissue adaptive filtering, HI Rez+ (8 levels) for speckle and noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Graphical user interface incorporating smart tab menus, image thumbnails and touchscreen panel for image optimisation

Hitachi · HI VISION Avius

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow-mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; freehand 3D; 4D; simultaneous Bi-plane

Scan format Sector (phased), linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights

- Three types tissue harmonic imaging (choice of frequencies)
- Tissue adaptive filtering, HI Rez+ (8 levels) for speckle and noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Graphical user interface incorporating smart tab menus, image thumbnails for image optimisation
- PSS, patient specific scanning selector

Hitachi · ProSound Alpha 6

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; broadband tissue & contrast harmonic; RT-3D; freehand 3D

Scan format Sector, linear and convex array, trapezoid, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Powerful, friendly and compact for wide range applications
- Automated measurement for IMT, NT, eTracking and WI, contrast analysis
- Full control of sound velocity for a perfect ocused imaging
- Wide range of features for Women's Health and perinatal imaging
- eTracking / Wave Intensity for easy artery stiffness assessment
- Full 3D / 4D capabilities for a variety of applications

Hitachi · Noblus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; Freehand 3D; 4D; simultaneous Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom

Transducer inputs Up to 3 active ports

Highlights

- Uses high-end technology migrated from HI VISION platforms
- Wide range of compatible transducers for many different clinical applications
- Premium image quality and advanced functions
- Flexibly designed in the form of a laptop PC with optional cart
- Unique space-saving design
- Tilt and swivel monitor
- Smart Touch feature for parameter adjustment by direct touch on image screen

Hitachi · F37

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; Broadband tissue Harmonic; RT-3D; freehand 3D, Freehand Color 3D

Scan format Sector, linear, convex, trapezoid, compound, AIP, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Easy and compact for wide applications range
- 4D Shading
- Spatial Compound Imaging
- Trapezoid scan
- Adaptive Image Processing (AIP)
- Silky Image Processing (SIP)
- Needle Emphasis
- Dynamic Slow-Motion Display
- Automated measurement for IMT, NT, Free Angle M-mode
- DICOM SR and Raw Data

Hitachi · F31

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; Broadband tissue Harmonic; freehand 3D, Freehand Color 3D

Scan format Sector, linear, convex, trapezoid, compound, AIP, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Easy and compact for wide applications range
- Spatial Compound Imaging
- Trapezoid scan
- Adaptive Image Processing (AIP)
- Dynamic Slow-Motion Display
- Automated measurement for IMT, NT, Free Angle M-mode
- DICOM SR and Raw Data

Hitachi · iVu SOFIA – Automated Whole Breast Ultrasound System

Scan format Radial scanning

Mode Review using radial 2D, 3D, and MPR images

Transducer inputs 92 mm linear transducer, frequency range 5 – 13 MHz

Highlights

- Rapid automated bilateral whole breast image acquisition (< 1 min/breast)
- Compatible with Noblus and 92 mm Broad Band Linear Transducer
- Adjunct to mammography for dense breast patients
- Whole breast imaging for patients where mammography is contraindicated
- Identification of bilateral and multi-focal disease
- Comfortable exam in prone position, radial image acquisition

Konica Minolta · Sonimage HS1

Mode B, M, Colour Flow, Power D, PW, CW

Scan format Linear, convex, sector

Weight 7.8 kg

Highlights

- Triad Tissue Harmonic Imaging (3 THI)
- SNV – Simple Needle Visualization
- Newly developed multi-frequency probes up to 18 Mhz
- Portable system with built-in battery
- Start-up from standby within 15 seconds
- Excellent for MSK / orthopaedic, nerve, vascular and anaesthesia
- Rotatable and tiltable 15 inch touchscreen

Mindray Medical · DC-8 Exp

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D
Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume, Pedoff, TEE
Transducer inputs 1 – 16 MHz

Highlights
- Brand new imaging architecture for more powerful and intelligent processing
- Advanced transducer series for maximised penetration
- Encompass a comprehensive range of clinical exams including abdominal, OB / GYN and small parts
- Intelligent auto optimisation to achieve best imaging setting in one keystroke
- Standard workflow protocol to improve exam consistency and efficiency

Mindray Medical · DC-8

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 15 MHz

Highlights
- Touchscreen
- Elastography
- Free Xros M-mode: anatomic M-mode
- TDI
- IMT
- iNeedle: needle visualization enhancement
- 3D / 4D-imaging
- iWorks: auto workflow protocol

Mindray Medical · DC-70

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D
Scan format Convex, Phased Array, Linear, endo-cavity, convex volume, endo-cavity volume, Pedoff
Transducer inputs 2 – 14 MHz

Highlights
- 10.4" Gesture sensitive touch screen designed to improve workflow
- Quality exams guaranteed by 3T transducer technology and Echo-enriched beamformer
- Obtain realistic view of the fetus via iLive technology
- MedSight, interactive app to transfer clinical images via iOS or android powered smart device
- Range of application specific auto measurement packages to improve productivity

Mindray Medical · DC-7

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format TEE, linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 15 MHz

Highlights
- Touchscreen
- Free Xros M-mode: anatomic M-mode
- Stress Echo
- TDI and QA
- Free Xros CM: curved anatomic M-mode
- IMT
- 3D / 4D-imaging

Mindray Medical · DC-T6

Mode B / 2B / 4B, B / M, B / C, B / C / PW
Scan format Convex, Linear, endo-cavity, convex volume
Transducer inputs 2 – 15 MHz

Highlights
- 3T transducer technology
- Octal beam formation, phase shift THI
- 4D-imaging with iPage function
- iNeedle: needle visualization enhancement
- TDI with quantitative analysis
- Free Xros CM: curved anatomic M-mode
- iPower: intelligent power solution with built-in battery
- iTouch: intelligent image optimization for B-, color- and PW-mode
- iZoom: automatically expand the image to full screen

Mindray Medical · DC-N3

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D
Scan format Convex, Phased Array, Linear, convex volume, endo-cavity, Pedoff
Transducer inputs 2 – 14 MHz

Highlights
- Exceptional image quality to enhance diagnostic confidence
- 4D capability with various rendering modes and iPage (multi-slice imaging)
- Auto Intima-Media Thickness measurement, to deliver a reliable carotid analysis
- Tissue Doppler Imaging and Free Xros CM for comprehensive cardiac diagnosis
- iPower, iRoam and full DICOM compatibility providing you with state of the art connectivity

Mindray Medical · M9

Mode B, C, M, PW, CW, Power(DirPower), TDI, CM (Color M)
Scan format Single Crystal Phased Array, Linear, Phased array, convex,endo-cavity, Pedoff, TEE
Transducer inputs 1 – 16 MHz

Highlights
- Advanced premium level laptop style color Doppler offering easy handling and mobility
- Rich in technology such as 3T transducer with single crystal and high dynamic range flow
- Ideal shared-service solution suitable to be used within muptiple clinical settings
- Intelligent workflow with iTouch (one key image optimisation)
- User-defined operation to improve work efficiency

Mindray Medical · M7

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format TEE, linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 16 MHz

Highlights
- 15" LCD monitor
- Free Xros M-mode: anatomic M-mode
- Anatomic M-mode
- Stress Echo
- TDI and QA
- Free Xros CM: curved anatomic M-mode
- IMT
- iNeedle: needle visualization enhancement
- 3D / 4D-imaging

Mindray Medical · DP-50

Mode B-mode, B / B-mode, 4B-mode, M-mode, B / M-mode
Scan format Linear, micro-convex, convex, trans-vaginal, trans-rectal, bi-plane
Transducer inputs 2 – 15 MHz

Highlights
- Sleek, streamlined, compact shape
- High resolution, wide-angle 15" LCD with tilt functionality for better viewing
- iBeam spatial compounding imaging
- Phase shift harmonic imaging
- iTouch auto optimization
- IMT auto measurement
- iStation patient information management system

Mindray Medical · TE7

Mode B, C, M, PW, CW, Power (DirPower), CM (Color M)
Scan format Convex, Phased array, Linear, endo-cavity, endo-cavity volume, Pedoff, TEE
Transducer inputs 2 – 16 MHz
Weight 2.5 kg

Highlights
- Touch enabled repsonse providing simple control and setting optimization
- Touch-screen gestures such as pinch to zoom in or out
- Three second boot up from standby and swift touch response of settings
- Equipped with efficiency-boosting features iNeedle, iZoom, iTouch and Smart Track
- Easy to transport and store, can be mounted on trolley, desktop table or wall

Mindray Medical · Z.One PRO

Mode B, C, M, PW, CW, Power (DirPower), TDI
Scan format Phased array, convex, Linear, endo-cavity, TEE, Pedoff
Transducer inputs 1 – 14 MHz
Weight 66 kg

Highlights
- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery

Mindray Medical · ZS3

Mode B, C, M, PW, CW, Power (DirPower), TDI
Scan format Phased array, convex, Linear, endo-cavity, TEE, Pedoff
Transducer inputs 1 – 20 MHz
Weight 66 kg

Highlights
- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery
- High frequency linear transducer
- Contrast enhanced ultrasound imaging

Mindray Medical · Resona 7

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D, V Flow(Vector Flow)

Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume

Transducer inputs 1 – 20 MHz

Highlights
- Powered by ZST+ platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete functionality for Radiology and clinical research
- Multi-modality diagnosis with Fusion

Samsung · RS80A with Prestige

Mode 2D, M, Color, PD, S-Flow, PW / CW, TDI / TDW, Color M, Anatomical M, 3D / 4D

Scan format Convex, Linear, Phased, 3D / 4D, Pencil

Transducer inputs 4

Highlights:
- Superb image quality through S-Vision architecture and S-Vue transducer
- Diagnostic guidance tool (S-Detect for Breast/Thyroid)
- Multi-modality fusion (S-Fusion)
- Contrast enhanced ultrasound (CEUS+)
- Shearwave with quantification (S-Shearwave)
- Needle guidance technology (Clear Track, Virtual Track, Needle Mate)
- Advanced arterial analysis tool
- 23" LED monitor / 13.3" tilting touch screen

Samsung · WS80A with Elite

Mode 2D, M, Color, PD, S-Flow, PW / CW, Color M, Anatomical M, 3D / 4D

Scan format Convex, Linear, Phased, 3D / 4D

Transducer inputs 4

Highlights:
- Superb image quality through enhanced 3D imaging engine and S-Vue transducer
- Efficient diagnosis with 5D solutions (5D Heart Color, 5D CNS+, 5D Follicle, 5D NT, 5D Limb Vol.)
- Innovative volume rendering (Crystal Vue)
- Advanced imaging functions (S-Harmonic, ClearVision)
- Feature for sending ultrasound images to smartphone (Hello Mom)
- Elastography for breast with strain ratio (E-Breast)

Samsung · HS70A

Mode 2D, M, Color, PD, S-Flow, PW / CW, TDI / TDW, Color M, Anatomical M, 3D / 4D

Scan format Convex, Linear, Phased, 3D / 4D, Pencil

Transducer inputs 4

Highlights:
- Superb image quality through S-Vision imaging engine and S-Vue transducer
- Advanced imaging function (S-Harmonic, ClearVision)
- Diagnostic guidance tool (S-Detect for Breast)
- Elastography for breast with strain ratio (E-Breast)
- Cardiac measurement solutions (Strain+, Stress Echo)
- Contrast enhanced ultrasound (CEUS+)
- Advanced arterial analysis tool
- 23" LED monitor / 10.1" touch screen

Samsung · H60

Mode 2D, M, Color, PD, S-Flow, PW / CW, Color M, Anatomical M , 3D / 4D

Scan format Convex, Linear, Phased, 3D / 4D, Pencil

Transducer inputs 4

Highlights:
- Slim and compact design for better use of space
- Superb image quality with hybrid imaging engine and S-Vue transducer
- Advanced imaging function (ClearVision, S-Flow)
- Convenient 3D functions (XI-STIC, 3D XI)
- Needle guidance technology (Needle Mate, Beam Steer)
- Semi-automated bodymark tool (e-Motion Marker)
- 21.5" LED monitor / 10.1" touch screen / Digital TGC preset

Samsung · HM70A with Plus

Mode 2D, M, Color, PD, S-Flow, PW / CW, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 3

Highlights:
- Laptop design to suit various diagnostic environments
- Advanced imaging functions (ClearVision, HDVI, S-Flow, SFVI)
- Elastography for cervix, breast (ElastoScan)
- Convenient 3D functions (3DXI, SFVI, MagiCut)
- Needle guidance technology (Needle Mate)
- Fast booting within 20 sec
- Full screen mode
- 15" LED monitor / Optional cart (3 transducer ports / extended battery)

Samsung · PT60A

Mode 2D, M, Color, PD, PW
Scan format Convex, Linear, Phased
Transducer inputs 1

Highlights:
- Improved point-of-care usability with tablet design
- Advanced imaging functions (ClearVision)
- Needle guidance technology (Needle Mate)
- Semi-automated measurement of intima-media thickness (Auto IMT)
- 10.1" LED full touch screen monitor / Lightweight (3.6 kg) / Long battery time (80 Min)
- Optional cart (height-adjustable / 3 transducer ports / printer space)

Samsung · Accuvix A35

Mode 2D, M, Color, PD, DPDI, PW / CW, TDI / TDW, Color M, Anatomical M , 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Superb image quality with hybrid imaging engine and S-Vue transducer
- Advanced imaging functions (DMR+, HDVI, DPDI)
- Elastography for cervix, breast, thyroid (ElastoScan)
- Elasticity contrast index calculation tool for thyroid (E-Thyroid)
- Convenient 3D functions (FRV, FAD, SFVI, SmoothCut)
- Contrast enhanced ultrasound (Low-MI)
- 23" LED monitor / 9" touch screen

Samsung · Accuvix XG

Mode 2D, M, Color, PD, DPDI, PW / CW, TDI / TDW, Color M, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 3

Highlights:
- Improved image quality with multi-beamforming and S-Vue transducer
- Advanced imaging functions (DMR+, HDVI, DPDI)
- Elastography for cervix, breast, prostate (ElastoScan)
- Semi-automated fetal NT & IT measurement (Volume NT & IT)
- Convenient 3D functions (VSI, FAD, SFVI, Multi Volume Slice, Mirror View, Multi-OVIX, 3D OH)
- 19" monitor / 9" touch screen

Samsung · EKO 7

Mode 2D, M, Color, PD, DPDI, PW / CW, TDI / TDW, Color M, Anatomical M
Scan format Convex, Linear, Phased, Pencil
Transducer inputs 3

Highlights:
- Improved image quality with multi-beamforming and S-Vue transducer
- Advanced imaging functions (DMR+, DPDI)
- Features that meet the essential cardiovascular imaging needs (Strain 2.0 with bull's eye, Stress Echo)
- 4-way motorized TEE transducer
- Semi-automated measurement of intima-media thickness (Auto IMT)
- 19" monitor / LCD display on control panel

Samsung · Sonoace R7

Mode 2D, M, Color, PD, DPDI, PW / CW, TDI / TDW, Color M, Anatomical M , 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 3

Highlights:
- Slim and compact design for better use of space
- Improved image quality with multi-beamforming
- Advanced imaging functions (DMR+, DPDI)
- Elastography for cervix and breast (ElastoScan)
- Various live 3D / 4D ultrasound features (3D XI)
- Cardiac measurement solutions (Strain, Stress Echo)
- Semi-automated measurement of intima-media thickness (Auto IMT)
- 19" monitor

Samsung · Sonoace R5

Mode 2D, M, Color, PD, PW, Color M
Scan format Convex, Linear
Transducer inputs 3

Highlights:
- Slim and compact design for better use of space
- Lifting control panel, front and rear handles
- Advanced imaging functions (FSI, SRF)
- Workflow improving tool (QuickScan)
- Wide dynamic range
- 15" LED monitor

Samsung · Sonoace R3

Mode 2D, M, Color, PD, PW, Color M
Scan format Convex, Linear
Transducer inputs 2

Highlights:
- Portability combined with essential imaging capabilities for various applications
- Advanced imaging functions (FSI, SRF)
- Workflow improving tool (QuickScan, shortcut key)
- Wide dynamic range
- 15" LED monitor
- Optional cart (height-adjustable / transducer holders / printer space)

SIUI · Apogee 5800

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D mode, Elastography-mode
Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs 6

Highlights
- 19" Medical LCD monitor / 10.4" touch screen
- Detachable heating cup for gel, temperature controllable
- Control panel up and down, left and right moveable
- Integrated control panel with keyboard
- Probe socket with hook
- Ultracloud
- Technology: MFI / VS-Flow / XBeam / Nanoview
- Imaging Solution: 4D Pro / Elastography (Option) / Panoscope

SIUI · Apogee 5500

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode
Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs 4

Highlights
- 19" medical LCD monitor / 10.4" touch screen
- Detachable heating cup for gel, temperature controllable
- Probe socket with hook
- Ultracloud
- Technology: MFI / Wideband-beam Emission Technology / VS-Flow / XBeam
- New 4D imaging tools: nSlice / Q-Cut / Opti-4D

SIUI · Apogee 5300

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, TDI-mode, 3D & 4D mode, Elastography-mode
Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs 4

Highlights
- 18.5" medical LCD monitor/ 10.4" touch screen
- Distinct control panel with intuitive layout
- Technology: XBeam / Nanoview / Fusion-Freq / Panoscope / Fusion Tissue / Harmonic (Fusion THI) / Auto-Fit
- 4D Pro: nSlice, Q-Cut, Opti-4D
- Smart Elastography for breast exams
- Tissue Doppler Image and Continuous Wave Doppler for cardiology

SIUI · Apogee 1000

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, Elastography-Mode
Scan format Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs Bulit-in: 1 / Optional: external up to 2 or 4
Weight 5 kg (without battery)

Highlights
- Monitor 90° left and right rotatable, multi-angle field of view
- 15" LCD
- Track ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- Operation navigation guidance
- Ultracloud
- Superb Technology: Nanoview / VS-Flow
- Comprehensive Diagnostic Tools: TDI / Continuous Wave Doppler / Simpson auto tracing

SIUI · Apogee 2000

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, Elastography-Mode

Scan format Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs Bulit-in: 2 / Optional: external up to 2 or 4

Weight 4 kg

Highlights
- 15" tablet touch screen
- Unique parameter settings, simplify the operation at utmost
- Wall hanging, portable, sustainable (multi-angle)
- Wireless remote control operation
- Duplex built-in battery, service time up to 1.5 hours
- Ultracloud
- Operation Advantage: Operating room / Emergency department / ICU
- Application: Neurosurgery / MSK / Abdomen / Cardiology

SIUI · Apogee 3800

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- Ergonomic appearance
- Swivel keyboard
- High resolution color monitor
- 19" LCD monitor / 10.4" touch screen
- Four active probe connectors
- Complete 4D clinical solution (option)
- Equipped with 4D convex probe
- Easy use with compact design of volumetric probes
- Comprehensive and efficient rendering modes in 4D imaging
- Continues wave Doppler for cardiovascular solution

SIUI · Apogee 3500

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D &1804D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- 18.5" LCD monitor / 8.4" touch screen
- Streamlined workflow with touch screen control
- Four active probe connectors
- Professional imaging technology for image enhancement
- Comprehensive application package for women's health
- Complete exam modes for OB / GYN
- 4D imaging (option)
- Revolutionary Elastography for breast exam (option)
- CW for cardiovascular solution

SIUI · Apogee 3300

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- Complete measurement and calculation software for obstetrics and gynecology application
- Advanced 4D probe technology (option)
- 4D scanning with multiple rendering modes
- 4D convex probe and 4D vaginal probe available
- CW, ECG and anatomic M mode is optional to support cardiac measurement
- User-friendly design with touch screen control and distinct panel layout

SIUI · Apogee 1200

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs Bulit-in: 2 / Optional: external up to 4

Highlights
- Compact design
- 15" medical LCD
- Two active probe connectors
- Clinical application for general imaging: CW / ECG / TDI / Auto IMT / Panoramic image for small part and musculoskeletal
- Complete 4D clinical solution (option): Equipped with 4D convex probe / Easy use with compact design of volumetric probes / Comprehensive and efficient rendering modes in 4D imaging

SIUI · CTS-8800 Plus Color

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectral, Bi-plane

Transducer inputs 2

Highlights

Economic color Doppler with basic application
- Advance imaging technology: Speckle reduction technology / Trapezoidal imaging / Smart one key optimization
- Value-added clinical solutions: Compound Image (Option) / Smart 3D imaging (Option) / 4D Lite (Option) / Elastography (Option)

SIUI · CTS-4000

Mode B-mode, M-mode, PWD-mode, 3D & 4D-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane, 4D volume
Transducer inputs 3

Highlights
Mobile ultrasound system with high-precision digital imaging technology
- 15" high resolution medical LCD color monitor
- Speckle reduction technology
- Tissue harmonic imaging
- Pulsed wave Doppler
- Excellent 4D effect with simple and quick operation (Option)
- Elastography (Option)

SIUI · CTS-8800 Plus

Mode B-mode, M-mode, PWD-mode, 3D & 4D Mode
Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs 2

Highlights
- OB / GYN 4D performance (option)
- Excellent 4D imaging compared favorably with color Doppler mode
- Multi-rendering modes (includes surface, X-Ray and Max modes)
- Auto 3D imaging
- Functionally versatile: B / W & PW / Spatial compound imaging (option) / Upgradable CFM function (option)
- Compact design: 15" medical LCD / Built-in lithium battery (option) / Trolley for mobile use (option)

SIUI · CTS-6600

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal
Transducer inputs 2

Highlights
B/W ultrasound with complete applications
- 15" resolution medical LCD
- Scanning depth up to 252 mm
- Probe frequency range from 2.0 to 12.0 MHz
- Tissue Harmonic Imaging
- With or without built-in lithium battery in two version
- Comprehensive measurement package

SIUI · CTS-5500 Plus

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal
Transducer inputs 2

Highlights
Portable Digital B/W Ultrasound System
- Monitor: 10" LCD monitor
- Powerful digital beamforming technology
- Unique high-definition zooming function
- IP one-key optimization
- Two probe conncectors as standard
- 2 USB ports

SIUI · CTS-900 Neo

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal
Transducer inputs Bulit-in: 1 / Optional: external up to 2

Highlights
New generation laptop design B/W ultrasound system
- 10.4" 1024 x 768 high resolution LCD monitor
- Built-in battery for 2 hours' operation
- 3.8 kg only
- Crystal-clear image quality updated from CTS-900
- Supporting maximum 12 MHz linear probe
- 2 USB Ports
- DICOM 3.0 (Option)

SIUI · CTS-5500

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal
Transducer inputs 2

Highlights
Cost-effective ultrasound system beyond your expectation
- 10.4" monitor
- Powerful digital beamforming technology
- Unique high-definition zooming function
- IP one-key optimization
- Complete clinical document management system
- 2 USB Ports
- Three probe connectors as standard
- DICOM 3.0 (Option)

SIUI · Apogee 5300V Neo

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, CW mode, 3D & 4D-mode, Elastography-mode
Scan format Linear, Convex, Phased array, Micro-convex, Trans-rectal, 4D volume
Transducer inputs 4

Highlights
- Ergonomic design with 10.4" touch screen
- Detachable heating cup for gel (optional)
- Advanced technology: MF / Nanoview / XBeam / FusionFreq / Fusion THI etc
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive
- Complete application: abdomen, reproductive systems, cardiology, etc
- Powerful data management including report, hard disk, DICOM 3.0, USB prots and DVD-RW

SIUI · Apogee 1000V

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, Elastography-Mode
Scan format Linear, Convex, Phased array, Micro-convex, Trans-rectal, Bi-plane
Transducer inputs Bulit-in: 1 / Optional: external up to 2 or 4
Weight 5 kg (without battery)

Highlights
- 15 " Monitor 90° left and right rotatable
- Touch panel and rolling ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- New technology: MFI, Nanoview / XBeam, FusionFreq / Fusion THI and so on
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive / Ultracloud
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · Apogee 1200V Neo

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode
Scan format Linear, Convex, Phased array, Micro-convex, Trans-rectal, 4D volume
Transducer inputs Bulit-in: 2 / Optional: external up to 4

Highlights
- 15" high resolution monitor
- Advanced processing: MFI / Nanoview / XBeam / Smart GSC / Foco Tracing etc
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive
- General application: canine, feline, bovine, equine, ovine and porcine
- High frequency phased-array probe and ECG module for cardiology solution
- Data management including report, hard disk, DICOM 3.0 and USB ports

SIUI · CTS-8800V Plus

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD mode, 3D & 4D mode, Elastography-mode
Scan format Linear, Convex, Micro-convex, Trans-rectal, 4D volume
Transducer inputs 2

Highlights
- 15" LCD monitor
- Built-in lithium battery (option)
- Color Doppler (option)
- Scanning depth up to 300 mm
- Probe frequency range from 2 MHz to 12 MHz
- User-programmable presetting for personal preference
- Advanced Speckle Reduction Technology with multiple sets
- Ports like USB, video out and HDMI for signal transfer
- Storage media: large capacity hard disk, USB disk and DICOM 3.0

SIUI · CTS-7700V Plus

Mode B-mode, M-mode, PWD mode
Scan format Linear, Convex, Micro-convex, Trans-rectal
Transducer inputs 2

Highlights
B / W ultrasound with Pulsed wave Doppler
- 12" high resolution medical LCD
- Built-in lithium battery (option)
- Two probe connectors as standard
- Probe frequency range from 2 MHz to 12 MHz
- General application: canine / feline / bovine / equine / ovine / porcine
- 2 USB Ports

SIUI · CTS-5500V Plus

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-rectal
Transducer inputs 2

Highlights
Cost-effective ultrasound system beyond your expectation
- 10.4" LCD monitor
- Powerful digital beamforming technology
- Tissue harmonic imaging
- IP one-key optimization
- Two probe connectors as standard
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · CTS-900V Neo

Mode B mode, M mode, THI
Scan format Linear, Convex, Micro-convex, Trans-rectal, Linear (back fat)
Transducer inputs Bulit-in 1, Optional external up to 2

Highlights
Lightweight system with superior image quality
- As compact as 3.8 kg
- 10.4" high resolution LCD monitor
- Built-in battery for 2-hour operating time
- Display mode includes B, 2B, 4B, M and B / M mode
- B mode cine loop playback up to 256 frames
- 4G CF card for image and cine storage
- Probes with five frequency variation

SIUI · CTS-800

Mode B mode, M mode
Scan format Linear, Convex, Micro-convex, Trans-rectal, Linear (back fat)
Transducer inputs 1
Weight 0.8 kg

Highlights
Handheld ultrasound scanner for farm animals
- 7" WVGA LCD monitor
- Environmental rating: IP54 (main unit) and IP67 (probe head)
- Battery can last three hours for operating
- Software and report for reproductive system
- Gravity sensor for layout change (transverse / vertical)
- Measurement for distance, area, circumference, volume, angle, heart rate
- Video glasses (option)

Siemens · ACUSON S3000 HELX Evolution with Touch Control

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, color M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI, CEUS

Scan format Linear, curved / convex, phased array, endo-cavity, pencil

Transducer inputs 3 ports for micro-pinless transducers, 1 parking, 1 pencil

Highlights

- Superior imaging performance in General Imaging and Interventional Radiology with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: eSieFusion multi-modality imaging, ARFI shear wave & manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel to eliminate unnecessary keystrokes

Siemens · ACUSON S2000 HELX Evolution with Touch Control

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI, CEUS

Scan format Linear, curved/convex, phased array, endo-cavity, pencil

Transducer inputs 3 ports for micro-pinless transducers, 1 parking, 1 pencil

Highlights

- Superior imaging performance in General Imaging and Women's Health with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: Automated Breast Volume Scanning (ABVS), ARFI shear wave and manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel and eSieScan workflow protocols

Siemens · ACUSON S2000 Automated Breast Volume Scanner

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI

Scan format Linear, ABVS module (15.4 x 16.8 cm)

Transducer inputs 3 micro-pinless transducer ports, 1 parking,

Highlights

- Automated volume acquisition for operator-independent, standardized 3D imaging to enable consistent, reproducible results improving the quality of breast imaging
- Excellent 2D imaging capabilities using hand-held high-frequency HD transducers
- Advanced technologies: manual and shear wave elastography
- syngo.Ultrasound Breast Analysis reviewing and reporting workstation software with comprehensive BI-RADS capabilities

Siemens · ACUSON S1000 HELX Evolution with Touch Control

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography, CEUS

Scan format Linear, curved / convex, phased array, endo-cavity, pencil

Transducer inputs 3 micro-pinless transducer ports, 1 parking, 1 pencil

Highlights

- Excellent imaging performance in Vascular and Shared Service with next generation HD transducer technology
- Advanced technologies to expand clinical capabilities: Manual elastography, multi-modality review, contrast-enhanced ultrasound
- Efficient workflow design with intuitive, user-centric interface, simplified control panel to reduce repetitive hand movements and eSieScan workflow protocols

Siemens · ACUSON X700

Mode B-mode, phased and filtered THI, color, color velocity mode, Power Doppler, bi-directional power Doppler, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical I M-mode

Scan format Curved, phased & linear array, endo-cavity, 3D / 4D imaging

Transducer inputs Supports micro-pinless and DL type connectors

Highlights

- Excellent clinical performance with advanced imaging technologies
- Straightforward workflow features enable faster exams
- Innovative design and ergonomics facilitate improved user comfort and usability

Siemens · ACUSON X600

Mode B-mode, phased and filtered THI, color, color velocity mode, power Doppler, bidirectional power Doppler, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical I M-mode

Scan format High density phased array, curved array and linear array, 2D

Transducer inputs 3 DL (260) type connectors

Highlights

- Dynamic TCE tissue contrast enhancement reduces speckle
- TGO tissue grayscale optimization automatically adjusts image brightness and equalizes image gain
- SieClear multi-view spatial compounding to increase contrast resolution and improve tissue differentiation
- 20" LED monitor supports advanced imaging
- QuikStart Rapid Boot to enhance efficiency before, during and after procedures

Siemens · ACUSON X300 Premium Edition

Mode B-mode, color M-mode, M-mode, color Doppler velocity mode, Power Doppler mode, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler mode (CW), duplex mode, triplex mode

Scan format Curved array, phased array, linear, endo-cavity, 3D / 4D imaging

Transducer inputs 3

Highlights

- Excellent imaging performance through excellent detail and contrast resolution
- High temporal resolution in 2D
- TGO tissue grayscale optimization technology for more consistent image quality
- High quality 4D imaging through Advanced FourSight technology
- Exceptional clinical performance across a variety of applications and patient body types
- Easy-to-use ErgoDynamic imaging system design

Siemens · ACUSON X300

Mode B-mode, color M-mode, M-mode, color Doppler velocity mode, Power Doppler mode, pulsed wave (PW), spectral Doppler mode, CW continuous wave spectral Doppler mode

Scan format Phased array, curved array, endo-cavity, linear array

Transducer inputs 3

Highlights

- Hanafy lens transducer technology
- Tissue harmonic imaging (THI)
- DTI Doppler tissue imaging capability
- Multi-beam formation technology
- Streamlined clinical workflow with integrated DIMAQ-IP workstation, a user customizable control panel, and TGO tissue grayscale optimization technology
- ErgoDynamic imaging system design with flat panel display and articulating arm

Siemens · ACUSON X150

Mode B-mode, M-mode, color Doppler velocity mode, Power Doppler mode, pulsed wave (PW) spectral Doppler mode, duplex mode, triplex mode, phased array, curved Array, endo-cavity, linear array

Scan format

Transducer inputs 2 + 1 optional

Highlights

- Top diagnostic performance and scalability
- Superior 2D-mode imaging
- Color imaging option
- Cardiac screening option and phased array transducer fully integrate 3-Scape real-time 3D imaging during freehand acquisition

Siemens · ACUSON Freestyle

Mode B-mode, velocity color Doppler, Power color Doppler

Scan format Curved array, linear array

Transducer inputs Wireless

Highlights

- Fully submersible wireless transducers can be disinfected, sterilized or covered in a sterile bag for optimized infection control
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display improve procedural confidence in interventional settings
- Empowered workflow with zero cable-drag and single user operation via integrated scanning controls

Siemens · ACUSON SC2000 ultrasound system PRIME edition

Mode 2D, volume B-mode, M-mode with Native tissue harmonic imaging (THI), color Doppler (CDV, DTV, DTE), spectral Doppler (PW, CW, Tissue, HPRF, Auxiliary CW), Contrast Agent Imaging (3D volume, 2D thin volume LVO), full volume imaging (with TEE)

Scan format Linear, curved, matrix, vector

Transducer inputs 3 universal ports supporting micro-pinless transducers

Highlights

- One-click automated aortic and mitral valve modeling and measurements within seconds with eSie Valves advanced analysis package
- 2D and 3D transthoracic (TTE), transesophageal (TEE), and intracardiac echocardiography (ICE)
- Clinical applications: eSie Measure Workflow Acceleration Package, eSie LVA volume LV analysis, Volume Right Ventricular Analysis (RVA), Volume ICE and more

Siemens · ACUSON P500 Frosk Edition

Mode 2D with phased, alternative and filtered tissue harmonic imaging (THI), velocity color Doppler, Power color Doppler, spectral PW Doppler, spectral steerable CW Doppler, spectral duplex and triplex Doppler, M-mode, B-mode

Scan format Linear, curved, phased array, endo-cavity

Transducer inputs 3 microCase transducer ports

Highlights

- Intuitive dual traditional and infrared touch control panels offer improved accuracy and flexible gesturing (fingers, gloves, stylus) for enhanced user experience
- Unprecedented image quality with Dynamic Persistence and Auto Flash Artifact Suppression work together to detect movements and reduce noise
- Advanced Technologies: Dynamic TCE, Advanced SieClear Spatial Compounding, TEQ technology

Siemens · ACUSON NX3 Elite

Mode B-Mode, Phased and filtered THI, color Doppler, Power Doppler, color velocity mode spectral Doppler, M-mode, PW, SCW, 3D / 4D imaging, pulse wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical

Scan format Linear, curved / convex, phased array, endo-cavity, pencil

Transducer inputs 4 active transducer ports that support phased array, curved array and linear array transducers

Highlights

- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 % fewer keystrokes and 3x more user-defined keys
- 21.5" HD display and 220° endo-cavity transducer provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens systems

Siemens · ACUSON NX3

Mode B-Mode, phased and filtered THI, color Doppler, Power Doppler, color velocity mode, spectral Doppler, M-mode, PW, SCW, 3D / 4D imaging, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical

Scan format Linear, curved / convex, phased array, endo-cavity, wobbler

Transducer inputs Up to 4 active transducer ports, (3 standard) that support phased array, curved array and linear array transducers

Highlights

- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 % fewer keystrokes and 3 x more user-defined keys
- 21.5" HD display provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens systems

SuperSonic Imagine · AIXPLORER

Mode B-mode, Color Flow, Power, Directional Power, PW Doppler, M-mode, Contrast, ShearWave Elastography (SWE), 3D B-mode, 3D SWE, UltraFast Doppler

Scan format Linear, Convex, Endocavity, Micro-convex, Phased, Compact-linear, 3D, Panoramic, Dual, CEUS

Transducer inputs 4 Ports, over 100 Clinically Optimized Presets

Highlights

- Impeccable Image Quality
- Next-generation software-based UltraFast beamformer (20,000 fr / sec)
- Real-time Quantitative ShearWave Elastography in a full High-Res 2D area. Optimized on a wide range of probes and applications
- UltraFast Doppler:
  Full retrospective spectral analysis of multiple PW sample volumes simultaneously
- Outstanding ergonomics.
  Fast, reproducible, cost effective workflow

Toshiba · Aplio 500

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex, matrix and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 4 & 1 (pencil)

Highlights

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- 4D, CEUS; surface, MPR, MultiView, Luminance
- FlyThru virtual endoscopy, Smart Fusion, RT and Shearwave elastography, Acoustic Structure Quantification, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Toshiba · Aplio 400

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 4 & 1 (pencil)

Highlights

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- Whole body 4D-imaging, CEUS; surface, MPR, MultiView, Luminance
- Realtime elastography, MicroPure, Auto IMT, Wall Motion Tracking, advanced CEUS contrast imaging incl. VRI and MicroFlow imaging
- iStyle+ with fully customizable console, Quick Start, Quick Scan and Quick Assist

Toshiba · Aplio 300

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 4 & 1 (pencil)

Highlights

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging
- Whole body 4D-imaging; surface rendering, MPR, MultiView, Luminance
- Realtime elastography, Auto IMT, Auto NT, Wall Motion Tracking, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable console, Quick Start, Quick Scan and Quick Assist

Toshiba · Xario 200

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes, Smart 3D (Freehand 3D)

Transducer inputs 3 & 1 (pencil)

Highlights

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D
- Realtime elasto, Auto IMT, Stress Echo, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist

Toshiba · Xario 100MX

Mode 2D-, M-mode, PW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex, and endocavitary probes

Transducer inputs 2 (3rd is optional)

Weight 70 kg

Highlights

- High Density Beamformer, Precision Imaging, Tissue Enhancement, Advanced Dynamic Flow
- iStyle+ productivity suite with fully customizable panel, agile housing, height presettable console, Quick Start, Quick Scan & Quick Assist

Toshiba · Xario 100

Mode 2D-, 3D-, 4D-, M-mode, PW/CW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 3 & 1 (pencil)

Highlights

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView,
- Realtime elastography, Auto IMT, Panoramic View, Trapezoid Scan
- iStyle+ productivity suite with fully customizable panel, agile housing, height presettable console, Quick Start, Quick Scan and Quick Assist

Toshiba · VIAMO

Mode 2D-, M-mode, spectral Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays

Transducer inputs 2

Highlights

- Portable ultrasound system
- Swivel touch screen, Tablet mode possible
- Single transducer input, expandable to 2 transducers
- Battery and AC operation, fast boot time (< 10 s from standby to scanning)
- High color sensitivity, exceptional image quality
- Highly programmable Touch Screen, few buttons, easy to operate

GCTechnology · CIRS Phantoms

Highlights

- Fetal ultrasound phantom family
- Doppler Flow Phantom
- Quality assurance test phantoms
- Ultrasound Accreditation Phantoms
- Male and female ultrasound pelvic phantoms
- Prostate phantom family – Breast phantom family
- Thyroid ultrasound training phantom
- Kidney training phantom
- Vascular access training phantom kit
- Shear Wave Liver Fibrosis Phantoms
- Elastography Phantoms

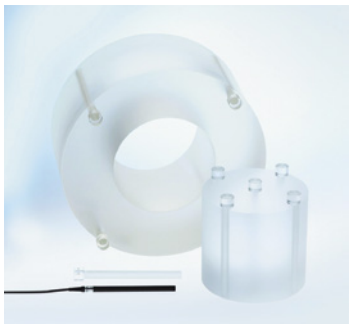
Testing Devices

GE Healthcare · DoseWatch

Highlights

- DoseWatch is a web-based dose monitoring software used to capture, track and report radiation dose statistics directly from the imaging device, multi-modality and vendor agnostic. Also from PET/SPECT CTs.
- DoseWatch monitors cumulative dose over time, and helps prevent excessive medical radiation exposure.
  In addition it supports the management of contrast media.

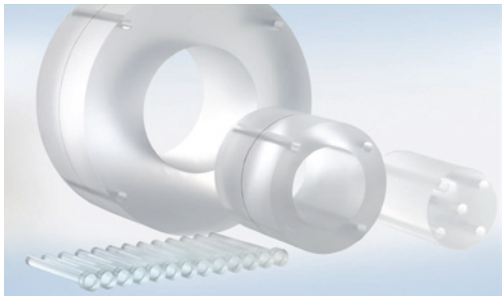
IBA Dosimetry · 2-part PMMA CT-Phantom



Highlights

- Adult Head and Body / Pediatric Body VD1003110
- Phantom for CTDI measurements according to IEC 60601-2-44, IEC 61223-3-5, IEC 61223-2-6
- Consisting of:
  – 1 adult head- / pediatric body phantom, 16 cm diameter, 5 holes
  – 1 adult body annulus, 32 cm diameter, 4 holes
  – 9 acrylic rods for plugging all the phantom holes

IBA Dosimetry · 3-part PMMA CT-Phantom



Highlights

Innovative 3-part nested phantom

- Simulation of head and /or body scans for adults as well as pediatric
- Determination of the dose delivered to the patient for a given series of CT scans
- Application flexibility with any CT scanner
- Specification
  – pediatric head, 10cm diameter
  – adult head, 16cm diameter
  – adult body, 32cm diameter
  – 3 acrylic rods for CT phantom

IBA Dosimetry · Dosimax plus A

Highlights

PTP-approved single channel dosimeter according to IEC 61674, designed for acceptance tests and for quality checks at radiographic, fluoroscopic, dental and mammographic X-ray units

IBA Dosimetry · Dosimax plus A HV

Highlights

PTB-approved single channel dosimeter with internal high voltage supply according to IEC 61674 for use with ionization chamber DCT10-RS. Designed for measurements at CT

IBA Dosimetry · Dosimax plus Duo incl. Sandwich Detector DE2DX

Highlights

Dual-channel dosimeter especially for constancy tests at radiographic and fluoroscopic X-ray units with sandwich detector DE2DX. Entrance and exit dose / dose rate measurement with one single exposure

IBA Dosimetry · DSA Test Device incl. Carrying Case

Highlights

- For quality tests in digital subtraction angiography (IEC 61223-3-3, DIN 6868-4, 2007 and DIN 6868-150, 2013)
- Test Parameters:
  - Dynamic range
  - DSA contrast sensitivity
  - Artifacts
  - Logarythmic check

IBA Dosimetry · IBAcan Kit

Highlights

Measurement kit for QA at Image

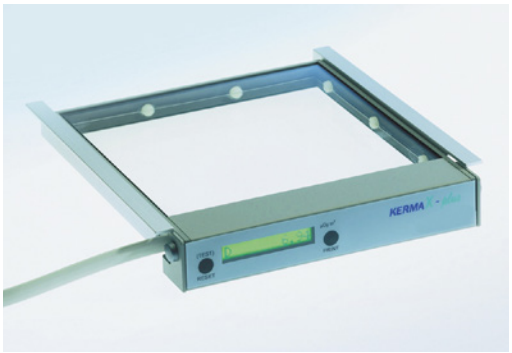
- Display Devices according to DIN 6868-157, IEC 61223-2-5, AAPM TG18
- Distance and contact measurement
- Easy targeting with a built-in camera
- Luminance Meter; 0.05 to 10,000 cd / m²
- Distance and Imaging Sensor for Measurements
- V(λ)-Uncertainty ≤ 3%
- External Illuminance Detector; 0.1 bis 10,000 lx
- RS 232 and USB Interfaces
- Li-ION Battery

IBA Dosimetry · KermaX plus DDP "Single" – 120-DDP S

Highlights

- Duo-channel multifunctional dosimeter dedicated to measure DAP or DAP rate or exposure time in patient dose monitoring.
- One rectangular, transparent ionization chamber with integrated electronics and "Dual Line Display D" with two very bright LED display lines indicating either the DAP / DAP rate or exposure time
- The system provides two RS 232 interfaces (RIS / HIS and printer connection)

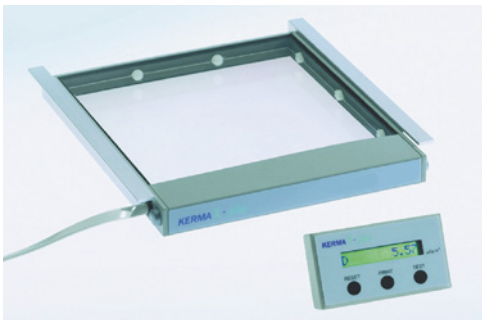
IBA Dosimetry · KermaX plus IDP – 120-IDP



Highlights

- Ideal solution for a quick and convenient retrofit installation to measure DAP and DAP rate for patient dose monitoring.
- Rectangular, transparent ionization chamber with integrated electronics and a 10-digit internal background lighting LCD display; optional RS 232 / RS 485 for computer or printer interface
- Suitable for measurements in pediatric applications with a resolution of 0.01 µGym²

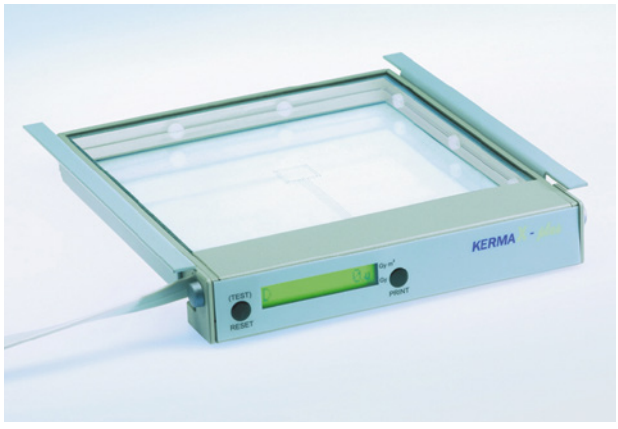
IBA Dosimetry · KermaX plus SDP – 120-SDP



Highlights

- Easy to install standard dosimeter dedicated to measure DAP and DAP rate for patient dose monitoring.
- Rectangular, transparent ionization chamber with integrated electronics and a separate 10-digit background lighting LCD Single Line Display providing an RS 232 PC / Printer interface
- Suitable for measurements in pediatric applications due to its digital resolution of 0.01 µGym2

IBA Dosimetry · KermaX plus TinO IDP – 120-TinO-IDP



Highlights

Rectangular, transparent ionization chamber with integrated electronics, a 10-digit internal background lighting LC-Display, interface optionally

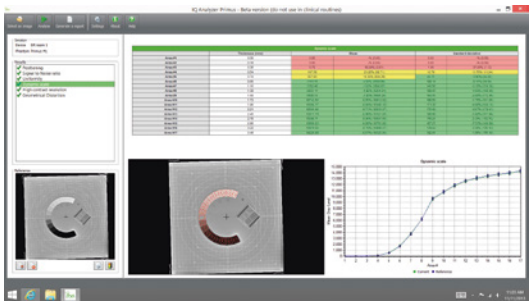
IBA Dosimetry · Multimeter MagicMaX Universal

Highlights

MagicMaX Universal detectors:

- XR – multi-detector for rad and fluoro
- XM – multi-detector for mammography
- DCT10-MM Ionization chambers for CT
- RQM – dose detector for mammo
- RQA – dose detector for rad, fluoro and dental
- Measurement parameters: dose / dose rate and dose/pulse, non invasively practical peak voltage, exposure time, total filtration, HVL

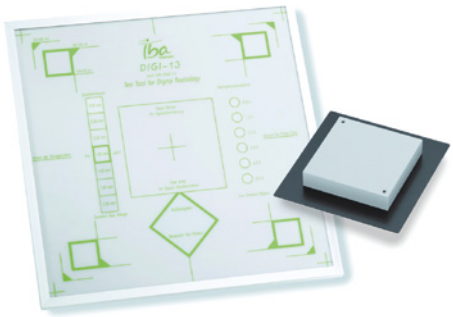
IBA Dosimetry · Software IQ Analyzer Primus



Highlights

- The IQ Analyzer Primus software performs fast, quantitative and reproducible constancy measurement on multiple imaging modalities.
- Select Images; Efficient loading of DICOM images
- Automatic Analysis; Image quality verifi cation with quantitative and reproducible results in less than 10 seconds
- Convenient Reporting; Generate reports and archive in both PDF and Microsoft Excel formats

IBA Dosimetry · Test Device DIGI-13



Highlights

- For quality checks at all types of CR / DR radiographic systems
- Test Parameters:
  - Signal standardization
  - Check of dose indicator
  - homogeneity
  - Spatial and contrast resolution
  - Alignment of light and X-ray field
  - Image scale
  - Artifacts
  - Geometry symmetry

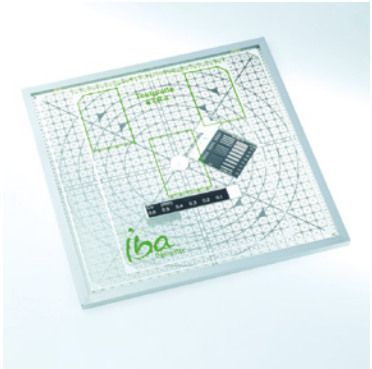
IBA Dosimetry · Test Device DVT-3D

Highlights

The test device DVT-3D is designed according DIN 6868-150 for quality assurance at DVT-systems (Digital Volume Tomography)

- Unique solution: Test device for easy and precise positioning in the beam without artifacts.
- Marking for Laser positioning: for convinient positioning in the iso-center
- one Case solution: All you need for the QA in one case, for storage and transportation

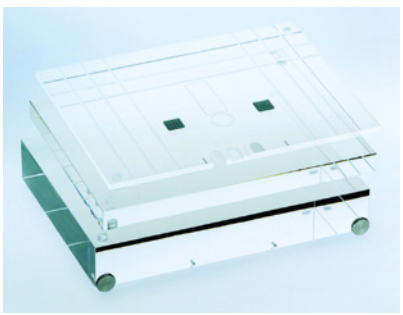
IBA Dosimetry · Test Device ETR1 incl. Centering Tube



Highlights

- For quality checks in conventional radiography and fluoroscopy (DIN 6868-3 and IEC 61223-2-9 / -2-11)
- Test Parameters:
  - Spatial resolution
  - Alignment of light and X-ray field
  - Geometry symmetry
  - Contrast resolution
  - Measuring areas for optional density

IBA Dosimetry · Test Device Mammo-152



Highlights

- For acceptance and constancy tests (DIN V 6868-152, DIN EN 61223-3-2 and DIN 6868-7 / EPQC (EUREF) in conventional mammography
- Test Parameters:
  - Object thickness and tube voltage compensation resp. AEC reproducibility
  - Attenuation factor
  - Spacial resolution
  - Contrast and image resolution
  - Artifacts / Geometry
  - Check of missed tissue at chest wall

IBA Dosimetry · Test Device PASMAM 1054 A / C

Highlights

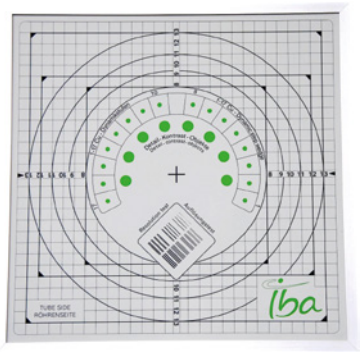
- 40 mm basic body with integrated Al step wedge with 14 steps from 0 to 5.2 mm
- 6 mm structural plate with recess for test inserts, 2 rows of steel balls with integrated turnable resolution test in line groups of 5, 6, 7, 8 and 10 Lp / mm
- Attenuation body 3 x 20 / 1 x 10 / 1 x 6 mm PMMA
- Various test inserts
- Carrying case

IBA Dosimetry · Test Device PASMAM 1054 C

Highlights

- 40 mm base plate with integrated Al step wedge with 14 steps from 0 to 5.2 mm and 2 rows of steel balls for checking the image limitations towards the thorax side
- 6 mm structural plate with recess for test inserts, 2 rows of steel balls with integrated turnable resolution test in line groups of 5, 6, 7, 8 and 10 Lp / mm
- Various test inserts
- Carrying case – Attenuation body 2 x 20 / 2 x 10 mm

IBA Dosimetry · Test Device Primus A

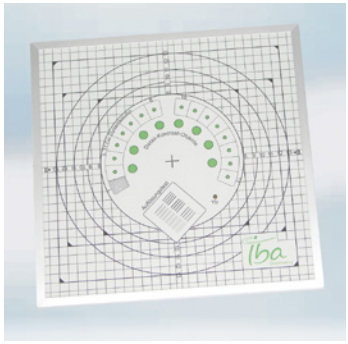


Highlights

Test Device Primus A is designed according DIN 6868-150 for Radiography and Fluoroscopy systems.

- Universal: Phantom for Radiograpic and Fluoroscopic systems
- Internal Grid: For easy visual test of distortion and Light-/Beam-field coincidence
- Two in One: Testarea for Dynamic verification and Low contrast sensitivity
- Smart design: Die to the frame, the Phantom is very convinient in handling

IBA Dosimetry · Test Device Primus L



Highlights

- For quality checks at digital / conventional radiographic and fluoroscopic X-ray units (according to DIN 6868-4, 2007)
- Test Parameters:
  - Spatial resolution
  - Verification of used kV-range
  - Contrast resolution
  - Alignment of light and X-ray field
  - Geometry symmetry
  - Image scale, Dimensions: 300 x 300 x 18.5 mm

PTW · NOMEX Dosemeter

Highlights

- Diagnostic dosemeter (CE marked, class IIb certified) fully compliant with IEC 61674
- Suitable for CTDI measurements acc. to IEC 60601-2-44 using a 100 or 300 mm CT ion chamber
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: CTDI head and / or body PHANTOMS (CE marked, class I certified)

PTW · NOMEX System

Highlights

- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Incl. NOMEX DOSEMETER and MULTIMETER (captures all dose values, time, kVp, TF, HVL, frequency, pulses, waveforms)
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: Test objects NORMI RAD/FLU, NORMI DSA, NORMI 3D (CE marked, class I certified)

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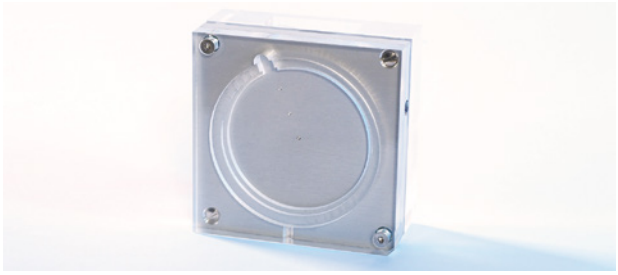
PTW · NOMEX Multimeter

Highlights
- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Single exposure captures all dose values, kVp, time, TF, HVL, frequency, pulses and waveforms
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Data and waveform export to Excel
- Ideal for tomosynthesis measurements
- Accessories: NORMI MAM test objects

QUART · dent / digitest Dental QA / QC Test Phantom



Highlights
- QUART dent / digitest 2D dental test phantoms are designed to assess x-ray imaging parameters according DIN and IEC QA / QC requirements.
- Features patient equivalent filtration and test objects to perform full-scale x-ray image quality analyses.

Parameters
- Spatial resolution
- High-contrast resolution
- Low-contrast resolution
- Homogeneity / artefacts
- Radiation field/tube alignment

QUART · didoEASY Diagnostic X-Ray Meters

Highlights
- The QUART didoEASY meters are designed for quick measurements of dose, dose rate and exposure time in X-ray QA / QC and service.
- didoEASY meters automatically compensate all radiation qualities in their area of application. Three meter versions are available: for R / F and Dental (40 – 160 kV), for Mammography (25 – 40 kV), and one for the full diagnostic range (25 – 160 kV).

QUART · dido2000 Series Diagnostic X-Ray Meters

Highlights

The QUART dido2000 series diagnostic x-ray dosemeters are used for QA and service in Radiography, (Pulsed) Fluoroscopy, DSA, Dental, 3D (CBCT), and Mammography.
- Compact multi-functional state-of-the-art solid state detector
- Enable measurements in spots with limited space
- Measurements behind scatter radiation grids
- Direct measurement of DWP in dental panoramic applications

QUART · didoSVM Precision Survey Meter

Highlights
- The QUART didoSVM Medical survey meter is designed to detect beta, gamma and x-ray sources of very low intensity around diagnostic x-ray equipment as well as in radiation therapy environments. Excellent energy response to measure radiation rate and dose.
- Its detection technology is based on solid-state components, enabling measurements with high sensitivity and very quick response.

QUART · didoCT Pencil Chamber Meter

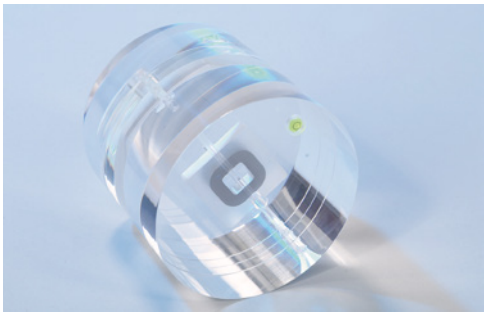
Highlights
- The QUART didoCT pencil-shaped ion chamber meter is designed for easy and precise dose-width product measurements.
- The meter does not require any pre-setting procedure for direct reading of DWP, rate and time.
- As an optional feature, the QUART didoCT can be supplied with free-in-air kV (eff.) measurement capability covering RQT 8-10 and further ranges.

QUART · DSA Test Phantom

Highlights

- The QUART DSA phantom features longitudinal sliding technique to minimise structural movement artefacts in the test image. It complies with DIN 6868-4, 6868-150 and IEC 61223-3-3.
- A special characteristic of the phantom is that it realistically reproduces the injection procedure of the contrast agent into vessels with different attenuation properties.

QUART · DVT AP Cone-Beam CT Test Phantom



Highlights

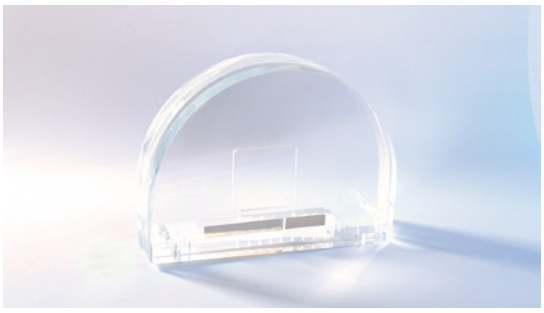
- The QUART DVT AP phantom is designed for QA / QC at Cone Beam CT (CBCT), Dental Volume Tomography (DVT) and 3D imaging equipment.
- It is to be used in dental 3D imaging (according DIN 6868-161 requirements) as well as angiography in C-arm x-ray applications (manufacturer-specific applications). Based on latest research, the solution can also be utilised for standard CT IQ tests.

QUART · DVT 150 CBCT IQ Test Phantom

Highlights

- The QUART DVT 150 phantom is designed to meet the requirements of the German DIN 6868-150 x-ray imaging acceptance test standard.
- Handling and positioning of the phantom is easy and straight-forward. It enables quick and simple contrast resolution tests for 3D, ENT and angiography x-ray applications.

QUART · mam / digi Mammography IQ Phantom



Highlights

- The QUART mam / digi phantom is designed to be used as universal tool for QA / QC routine testing in Digital and Analog Mammography. The phantom creates a link between technical and clinical image quality. It can also be used as QA tool for Digital Tomosynthesis.
- The phantom incorporates QUART's unique Landolt ring objects. They serve to verify low-contrast and perceptibility limits.

QUART · SP dI R / F IQ Phantom

Highlights

- The QUART SP_dI phantom enables assessment of digital x-ray equipment according to the German DIN 6868-150 and DIN 6868-4.
- The phantom is available with a unique kV test object to assess radiation quality and generator performance on a routinely basis.
- For ease of use, a frame / extension is provided as well as a wire-mount system for use with wall stand units.

QUART · nonius Electronic X-Ray Ruler

Highlights

- The QUART nonius is a sophisticated, fully electronic x-ray ruler to verify size and geometrical properties of x-ray fields in Radiography and Mammography. It can also be used to analyse fanned CT or dental OPG x-ray beams.
- Its resolution capabilities and precision go down into to the nonius range of 0.1 mm!
- Take only 3 steps to obtain the test result: Position – Expose – Evaluate.

Radcal · ACCU-GOLD+

Highlights
- Extensive Sensor Selection
- Both Solid State and Gold Standard Ion Chamber Technology
- Rapid Simultaneous Measurements
- The Smallest Footprint Solid State Sensor
- Customizable Software
- Replaces first generation Accu-Gold Diagnostic System
- WiFi available using Nugget device

Radcal · ACCU-DOSE+

Highlights
- The newest member of the Accu-Gold family
- Dose Measurement System with WiFi
- Gold Standard Ion Chamber Sensors & Solid-state Dose Diode Sensors
- Excellent Solution for Radiography, Fluoroscopy, Mammography, CT & Dental applications
- Dose-oriented set of functionality including Dose, Dose Rate, Waveform, Pulse, dose / pulse & Exposure time
- Several display options & customizable software

Radcal · DAP Analyzers

Highlights
- PDC (Patient Dose Calibrator)
- Use to calibrate DAP (Dose Area Product) meters
- Measures and displays DAP / Rate, Dose / Rate
- Optical and radiographic alignment markers
- Simple to use with optional computer control

Radcal · RAPID-GOLD+

Highlights
- Accu-Gold+ Technology
- Uses only Solid State Sensors for Diagnostic, Dental and Mammography X-Ray
- Optional mA / mAs invasive or Non-invasive measurement sensors
- Replaces first generation Rapid-Gold
- WiFi available using Nugget device

RTI · Black Piranha

Highlights

The RTI Black Piranha brings quickness and power to your X-ray QA work. The Black Piranha includes what you would expect in a multifunction meter. Connection to various accessories, tablet and PC. The Quick Check feature identifies the probes you insert and selects the optimum settings for your measurements. One-shot HVL for Mammography, Radiography, CT and Dental. Optimized for X-ray equipment from a large number of manufacturers.

RTI · Cobia Smart

Highlights

Cobia Smart is a straightforward and simple-to-use instrument for checking that the output from an X-ray tube is correct. Place it beneath the X-ray tube, make an X-ray exposure, and rapidly get an accurate reading. The measured values can be read directly from Cobia Smart's large and clear display, even from a distance. No adjustments are required, making it exceptionally easy to use. Easy to position, no position dependence.

RTI · Cobia Flex

Highlights

Cobia Flex belongs to the straightforward and simple-to-use instruments from RTI. The measured values can be read directly from Cobia Flex's large and clear display or you can choose to use RTI Ocean X-ray QA Software. The Cobia Flex has an internal detector, offers the possibility to, via plug & play, connect different probes, ion chambers and has buil-in mAs. Easy to position, no position dependence. Full Auto range (kV, TF and Sensitivity).

RTI · Ocean 2014

Highlights

The diagnostic software to use with your RTI instrument. By using Ocean you will speed up your total working process and minimize your time in X-ray room. It displays all your measurements and waveforms gathered on an easy-to-read screen. Ocean suits everybody's needs, it doesn't matter if you require a full report or if you only want to use the computer as a display. Use ocean to collect all your measurements. Press print and you have a complete report in your hand.

Unfors · RaySafe i2

Highlights

The RaySafe i2 is an active dosimetry system providing real-time insights around personal radiation exposure. Operators can pre-set limits on dose to keep exposure below legal limits. The i2's color-coded indicators provide at-a-glance access to exposure levels. Mirroring the latest personal electronics, the i2 dosimetry system offers touchscreen technology.

Unfors · RaySafe Solo CT

Highlights

The RaySafe Solo CT shares the same patented technology as the rest of the RaySafe line. Designed to rapidly measure CT applications, the Solo CT requires less than one minute to take the first exposure, including dose and dose length.

Unfors · RaySafe Solo DENT

Highlights

The RaySafe Solo DENT shares the same patented technology as the rest of the RaySafe line. Designed to rapidly measure dental x-ray equipment, the Solo DENT requires less than one minute for set up.

Unfors · RaySafe Solo DOSE

Highlights

The RaySafe Solo Dose measures dose, dose rate, time and pulses on both radiographic and fluoroscopic X-ray machines, sharing the same patented technology as the rest of the RaySafe line.

Unfors · RaySafe Solo MAM

Highlights

The RaySafe Solo MAM shares the same patented technology as the rest of the RaySafe line. Designed to rapidly measure MAM applications, the Solo MAM requires less than one minute to take the first exposure.

Unfors · RaySafe ThinX

Highlights

The RaySafe ThinX is a compact tool for quick, easy results across multiple parameters. Its fully automatic interface makes it the easiest tool to use – turning itself on when radiation is detected! Featuring patented technology, the ThinX automatically corrects itself for beam filtration.

Unfors · RaySafe X2

Highlights

The RaySafe X2 is a single device that offers full range of measurements, an intuitive interface, and simplicity. Our advanced, groundbreaking sensor technology is ready to take exposures in one minute with no menus or settings. Designed to register R/F, MAM, CT, survey, and light applications, the X2 requires little or no manual operation.

Unfors · RaySafe Xi

Highlights

The RaySafe Xi is a modular system. Whether you need one modality or multiple ones, it can be modified based on need. Its two key operation interface makes it easy to use and quick to set up for the first exposure. Compact yet powerful, the Xi is preferred by leading manufacturers of x-ray equipment.

VacuTec · VacuDAP / VacuDAP duo

Highlights

The VacuDAP family provides a wide range of DAP and Dose measuring solutions for most of the diagnostic X-ray systems in the market.

Technical specs

- Resolution DAP: 0,01 µGym²
- Resolution Dose: 0,003 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: (123 x 123) mm / (147 x 147) mm

VacuTec · VacuDAP-C / VacuDAP-C duo

Highlights

The VacuDAP-C systems for measurement of DAP and Dose are basically integrated in interventional devices with customized calibration settings.

Technical specs

- Resolution DAP: 0,01 µGym²
- Resolution Dose: 0,005 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: Ø (8 . . . 100) mm

VacuTec · VacuDAP wireless / VacuDAP Bluetooth

Highlights

- VacuDAP chamber is now available with Wi-Fi or Bluetooth technology.
- Perfect suitable for DR upgrades and mobile X-ray units.
- The battery ensures simplest installation ever.

Technical specs

- Resolution DAP: 0,01 µGym²
- Active area: (123 x 123) mm / (147 x 147) mm
- Battery operation time: about 12 h

VacuTec · VacuTec AEC Sensor

Highlights

Digital interface ensures EMC stable signal transmission and provides an open dose working range.

Technical specs

- Tube voltage: 40 kV . . . 150 kV
- Dose rate range: 0.5 . . . 1,000 µGy/s
- Aluminium equivalent: 0.75 mm Al
- Analog interface: ramp voltage 0 – 10 V
- Digital interface: differential pulses (RS422)
- Resolution: 0.025 µGy
- Pulse width: 2 µs

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RTI Electronics Floejelbergsgatan 8C 43137 Moelndal, Sweden tel +46 31 746 36 00 sales@rti.se www.rti.se	RTI From Radiation to Information																196 197
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Swissray Medical AG Turbistr. 25 – 27 6280 Hochdorf, Switzerland tel +41 41 914 12 12 sales@swissray.com www.swissray.com	Swissray											121 122 131 137					
Technix S.p.A. Via Fermi 45 24050 Grassobbio (BG), Italy tel +39 035 384 66 11 technixd@technix.it www.technix.it	TECHNIX							67				131 132					
Toshiba Medical Systems Europe Zilverstraat 1 2718 RP Zoetermeer, The Netherlands tel +31 79 368 92 22 info@tmse.nl www.toshiba-medical.eu	TOSHIBA				16 20 23	34 37		53 56 57 63 64			100 101 102	122 132 137 142				186 187	

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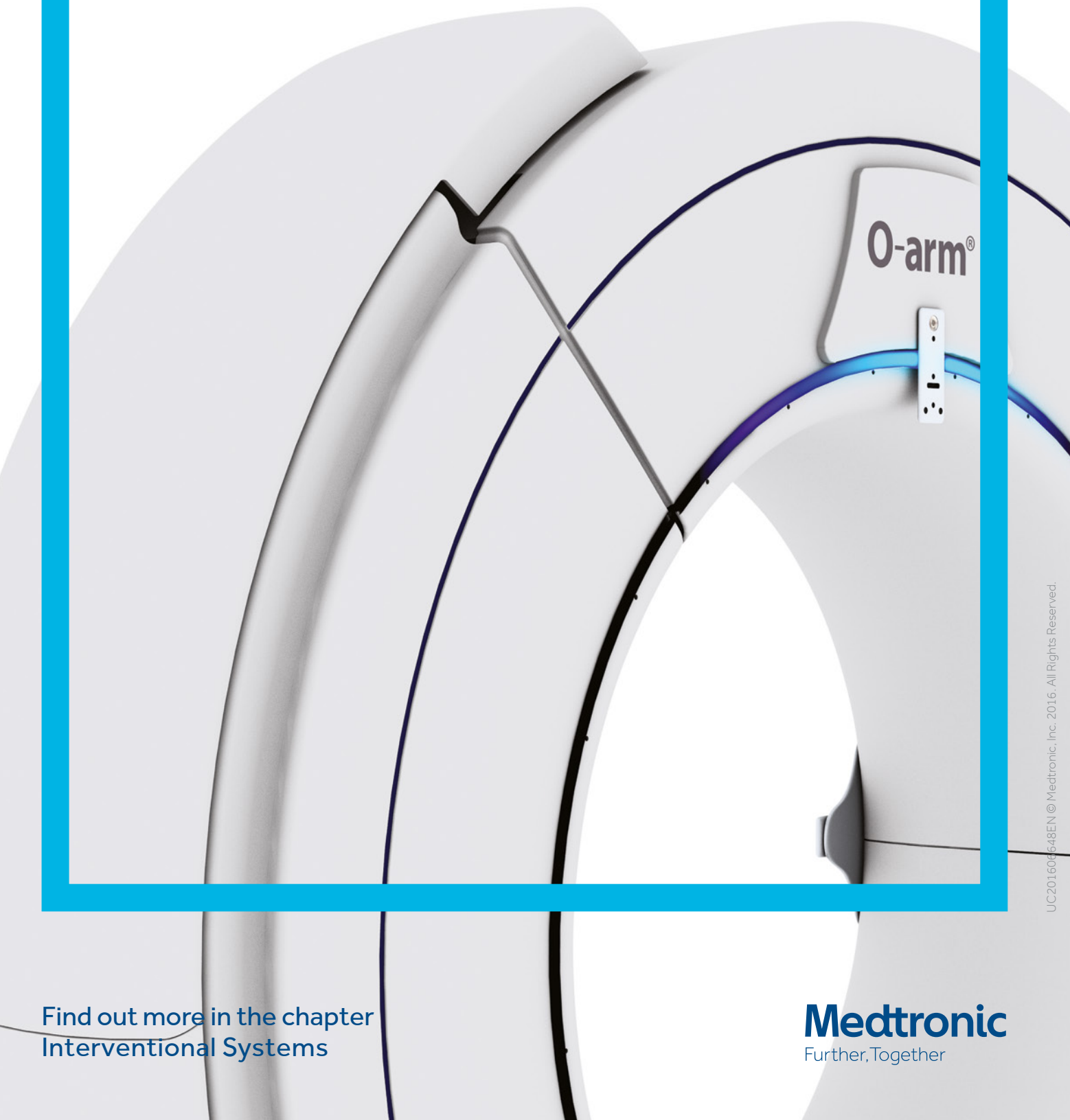

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