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RAD

The Radiology Guide to Technology and Informatics in Europe

BOOK 2014

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IT SOLUTIONS

RADBOOK 2014


Management

	RIS	Small Business PACS	Enterprise PACS	Card
	IMPAX RIS	IMPAX PACS	IMPAX PACS	IMPAX
	Canon RIS	Canon PACS	Canon PACS	
		CHILI Modality PACS	CHILI PACS	CHILI
	SYNAPSE RIS	SYNAPSE, SYNAPSE Modality Bundle	SYNAPSE PACS, SYNAPSE 3D, SYNAPSE VNA, SYNAPSE Mobility	SYNAPSE
	Centricity RISi with eRadCockpit	Centricity PACS with Universal Viewer	Centricity PACS with Universal Viewer	Centricity Universal
	iQ-RIS	iQ-WEBX	iQ-SYSTEM PACS	
	RadCentre	RadCentre Fusion	RadCentre Fusion	
	Hyper.RIS	Hyper.ePACS	Hyper.PACS	Hyper
		Acies ImagePilot	Acies	
	medavis RIS	JiveX Radiology	JiveX Enterprise	JiveX JiveX
	WinRadiolog RIS	ImageBroker XS	ImageBroker	Image
				
		CONAXX 2 and PROPAXX		
	Sectra RIS, Sectra DoseTrack, Sectra Business Analytics	Sectra PACS	Sectra PACS	Sectra
	syngo Workflow	syngo.plaza	syngo.plaza	syngo
				
		JiveX Radiology	JiveX Enterprise	JiveX JiveX
				




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Archiving

Image Distribution

Cardiology PACS	Long Term	Multimedia	Inhouse	Teleradiology	Portal Solution	Cloud Computing Application
IMPAX PACS	ICIS	ICIS	ICIS	ICIS	ICIS	ICIS
	Canon PACS	Canon PACS	Canon PACS	Canon RIS	Canon XDS	Canon PACS Canon XDS
CHILI PACS	CHILI PACS	CHILI PACS	CHILI/Web	CHILI/Web	CHILI/Telemedicine Record	OmniPACS
SYNAPSE CARDIOLOGY	SYNAPSE, SYNAPSE PACS, SYNAPSE CARDIOVASCULAR, SYNAPSE 3D, SYNAPSE VNA	SYNAPSE, SYNAPSE PACS, SYNAPSE CARDIOVASCULAR, SYNAPSE 3D, SYNAPSE Mobility	SYNAPSE, SYNAPSE CARDIOVASCULAR, SYNAPSE PACS, SYNAPSE Mobility, SYNAPSE 3D	SYNAPSE, SYNAPSE PACS, SYNAPSE Mobility	SYNAPSE, SYNAPSE PACS, SYNAPSE MOBILITY	SYNAPSE, SYNAPSE PACS, SYNAPSE 3D, SYNAPSE Mobility
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
	iQ-ROBOT PREMIUM		iQ-WEBX	iQ-WEBX	iQ-WEBX	iQ-WEBX
	RadCentre Data Centre	Health Relations	RadCentre Websolution	RedCentre Websolution	RadCentre Websolution	Radiology as a Service
Hyper.PACS	Hyper.ARC	Hyper.PACS, Hyper.WEB	Hyper.WEB	Hyper.TELEMED, Hyper.COM, Dicom2Mail-Module	Hyper.WEB, Hyper.TELEMED, Hyper.COM	Hyper.PACS Telearchive, Hyper.WEB Cloud
	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot		
JiveX Cardiology, JiveX ECG	JiveX Archive Manager, JiveX Storage Service for PACS (SSP)	JiveX Integrated Imaging	portal4med	portal4med	portal4med	portal4med
ImageBroker	ImageBroker	ImageBroker	ImageWeb	webConnect	PraxisPortal	PraxisPortal App
Sectra Open Archive	Sectra PACS, Sectra Open Archive	Sectra PACS, Sectra Image Central, Sectra Open Archive	Sectra PACS, Sectra LiteView	Sectra PACS, Sectra IEP	Sectra Order Management	Sectra IEP, Sectra Preop Online, Sectra DXR Online, Sectra OneScreen, Sectra DoseTrack
syngo Dynamics	syngo.plaza syngo.share	syngo.share	syngo.plaza syngo.share	syngo.plaza syngo.share	syngo.plaza syngo.share	syngo.share
			iNtuition, iNtuitionEMV, iNtuitionReview, iNteract+	iNtuition, iNtuitionCloud, iNtuitionSHARE, iNteract+	iNtuition, iNtuitionCloud, iNteract+	iNtuitionCloud
JiveX Cardiology, JiveX ECG	JiveX Archive Manager, JiveX Storage Service for PACS (SSP)	JiveX Integrated Imaging	JiveX Review, JiveX Review Web, JiveX Mobile	JiveX Telemedicine	JiveX Review Web	JiveX Application Service for PACS (ASP)
			Vitreia Enterprise Suite, VitreiaAdvanced, VitreiaView	Vitreia Enterprise Suite, VitreiaView	VitreiaView	VitreiaView



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Equipped with the largest available FPD at 43 x 43 cm and Shimadzu's newly developed digital imaging platform, the Sorialvision G4 covers the widest possible range of examinations with inter-departmental hospital capability. In both functionality and operability, the Sorialvision G4 multipurpose R/F table is far beyond other R/F systems. It provides "Best-in-class" features.

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- **Premium application software** supporting useful applications, such as tomo-synthesis for general radiographic imaging

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Dear Reader,

ECR is not only the place for medical imaging specialists to benefit from an unmatched scientific and educational programme; many companies appreciate the congress as an excellent venue to showcase their newest developments. For the eighth year in a row, the RadBook team is proud to present a compact overview of the commercially available radiological systems in Europe – including all innovations.

Computed tomography (CT) continues to be the industry's driving force, closely followed by interventional systems while at least in the public mind magnetic resonance imaging (MRI) seems to be the wall flower among the three beauties. But don't be fooled: MRI innovations happen in silence, very literally as all manufacturers are putting enormous efforts in reducing the noise of the sequences.

Digital radiography is a mature technology; with digital detectors being a dime a dozen these days, it is the software behind the detectors that defines image quality – the crucial feature of any imaging system.

Modern medical systems and software are already closely linked and well on their way to become inseparably intertwined.

Ultrasound developers pack more and more technology in ever smaller devices: equipment that used to weigh in at 200 kg a few years ago, today fits into the physician's pocket.

RadBook helps you to navigate the imaging system maze, to quickly identify solutions that meet your needs and to spot alternatives that were hidden from view before.

RadBook – systematic selection

Enjoy reading

Daniela Zimmermann

Guido Gebhardt

IMPRINT

Published by:

EUROPEAN HOSPITAL Verlags GmbH

Theodor-Althoff-Straße 45, 45133 Essen, Germany, Phone +49-201-87126-851, www.european-hospital.com and **X-ray Media** Guido Gebhardt, Adalbert-Stifter-Weg 2b, 85661 Forstinning, Germany, Phone +49-8121-907630, www.radiologieforum.de

Editor-in-Chief: Guido Gebhardt, Daniela Zimmermann, **Executive Director:** Daniela Zimmermann, **Advertising:** Ralf Mateblowski (D, A, CH), Eric Jund (E, F, I), Simon Kramer (B, GB, L, NL), Gavin Hua (China), C. H. Park (Korea), Hanna Politis (U.S.A, Canada),

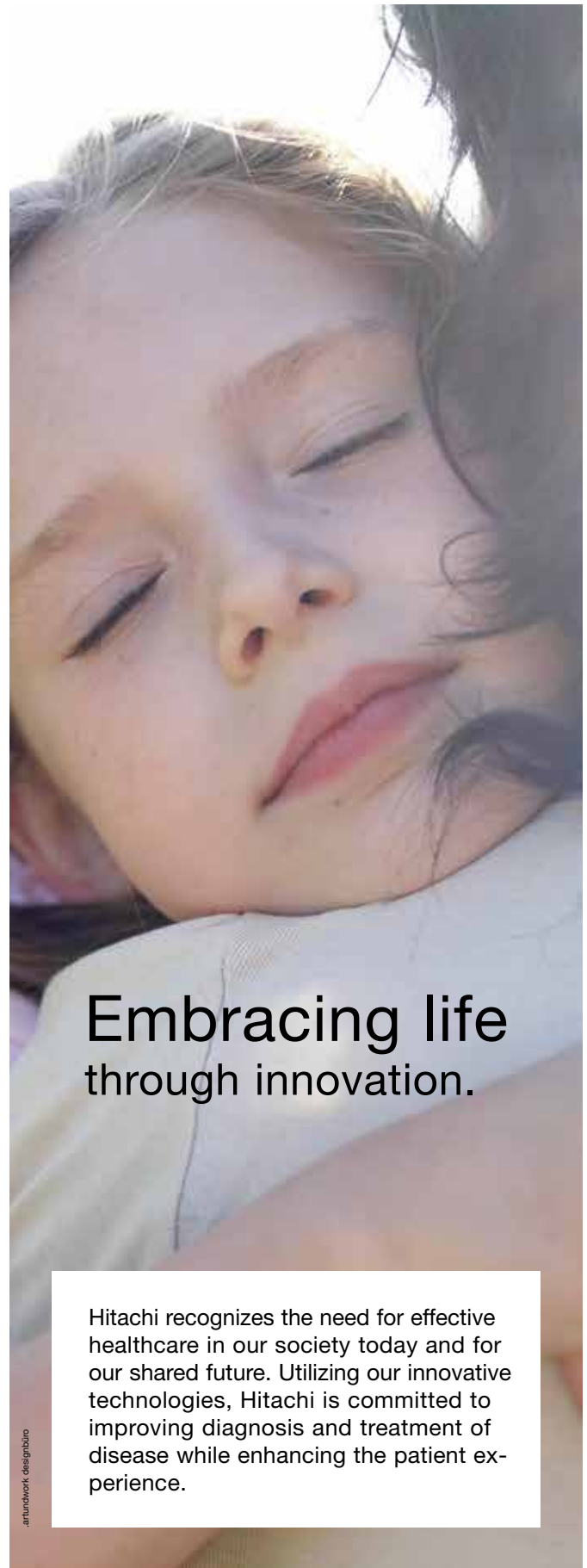
Art Directors: Erik Dreifke, Olaf Skrober

Subscription: Janka Hoppe, **Subscription rate:** € 19.– plus postage

The information and opinions expressed in articles and product entries published in RADBOOK are solely those of the manufacturers / companies, their authors and contributors, for which the publisher holds no responsibility.

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Embracing life through innovation.

Hitachi recognizes the need for effective healthcare in our society today and for our shared future. Utilizing our innovative technologies, Hitachi is committed to improving diagnosis and treatment of disease while enhancing the patient experience.

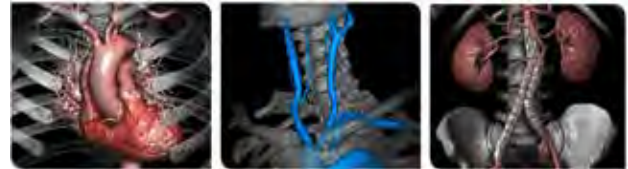
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HITACHI
Inspire the Next

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SIEMENS



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“Two steps ahead” VS. “Trying to keep up”

Second best is not an option.

Two steps ahead in **Preventive Care**, allowing a whole new range of patients to benefit. From kidney-friendly scanning to low dose early detection.

Two steps ahead in **Freezing Motion**, helping to avoid preventable readmissions even in challenging situations. Introducing “free-breathing” CT imaging and the industry’s fastest, most versatile scan mode.

Two steps ahead in **Decision Making**, boosting diagnostic confidence with 4D imaging at half the regular dose and precise Dual Energy quantification.

With the new SOMATOM Force, you are two steps ahead in all clinical questions. So stop trying to keep up – get two steps ahead with the new SOMATOM Force.

Answers for life.

COMPUTED TOMOGRAPHY

DUAL SOURCE

Siemens SOMATOM Force

Slices per rotation	2 x 192
Power	2 x 120 kW
Gantry bore	78 cm
Dual Energy	yes (Dual Source)

Highlights

- Kidney-friendly scanning with significantly reduced contrast media amounts required
- Low dose early detection with up to 50% dose reduction
- “Free-breathing” CT imaging with outstanding native temporal resolution
- The fastest, most versatile scan mode with the Turbo Flash spiral
- 4D imaging at half the dose
- Precise Dual Energy quantification to add tissue information to morphology



Siemens SOMATOM Definition Flash

Slices per rotation	2 x 128
Power	2 x 100 kW
Gantry bore	78 cm
Dual Energy	yes (Dual Source)

Highlights

- FAST CARE technology for workflow optimization
- Stellar detector for optimized low dose imaging and increased spatial resolution
- Split-second thorax imaging: avoiding breath hold or sedation in pediatric patients
- Sub-mSv heart scanning to cover the entire heart in only 250 ms
- Raw-data based iterative reconstruction (SAFIRE) for up to 60% dose reduction at up to 20 images/s
- Dose neutral Dual Energy for a second contrast in daily routine



VOLUME CTS

GE Healthcare Discovery CT750 HD

Channels	64
Spatial resolution	18.2 lp/cm

Highlights

- The leading edge of CT clarity
- The Discovery CT750 HD offers both high image quality and multiple dose reduction features on one platform.
- The Discovery CT750 HD can reach any part of the body of virtually any patient, and perform both generalized and specialized clinical applications, including:
- Gemstone* Spectral Imaging – the first quantitative dual-energy CT on the market.
- Cardiac imaging – highest spatial resolution in the industry at 18.2 lp/cm.
- Neuro imaging – the Discovery CT750 HD ensures ample coverage to perform perfusion studies of the entire brain.



GE Healthcare Optima CT660 FREEdom

Channels	128
Coverage	100 kW
Rotation	0.35 s (cardiac 0.058 s equivalent with Snapshot Freeze)

Highlights

- 64 and 128 slices imaging
- Latest innovations in a 40 mm detector CT
- Leadership in advanced cardiac CT
- Intelligent cardiac CT with Snapshot
- Assist and Snapshot Freeze
- Unique workflow features
- Real time recon (55 fps)
- Fast acquisitions with high helical pitch (1.531)
- Automatic reconstruction with 10 PMR
- Up to 40% dose reduction across the body
- Up to 500 slices coverage for perfusion
- 60% lower CO2 emission and energy saving
- Scalable and modular
- Compact for easy siting (18 sqm)
- Integrated ASiR reconstruction



GE Healthcare Optima CT660 Spatial Enhanced

Channels	128
Coverage	40 mm isotropic, 128i – 0.625 mm (overlap), 64i – 0.625 mm (overlap), 32i – 1.25 mm, 16i – 2.5 mm, 8i – 5 mm, 4i – 10 mm
Rotation	0.4 s (cardiac 0.35 s)

Highlights

- 64 and 128 slices imaging
- Latest innovations in a 40 mm detector CT
- Leadership in advanced cardiac CT
- Intelligent cardiac CT with Snapshot
- Assist and Snapshot Freeze
- Unique workflow features
- Real time recon (55 fps)
- Fast acquisitions with high helical pitch (1.531)
- Automatic reconstruction with 10 PMR
- Up to 40% dose reduction across the body
- Up to 500 slices coverage for perfusion
- 60% lower CO2 emission and energy saving
- Scalable and modular
- Compact for easy siting (18 sqm)
- Integrated ASiR reconstruction

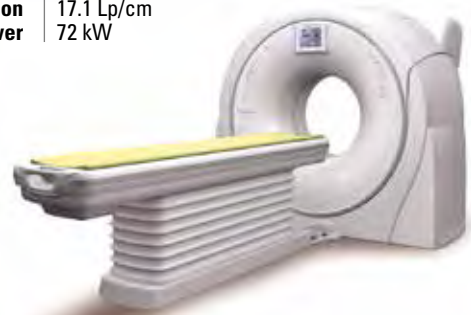


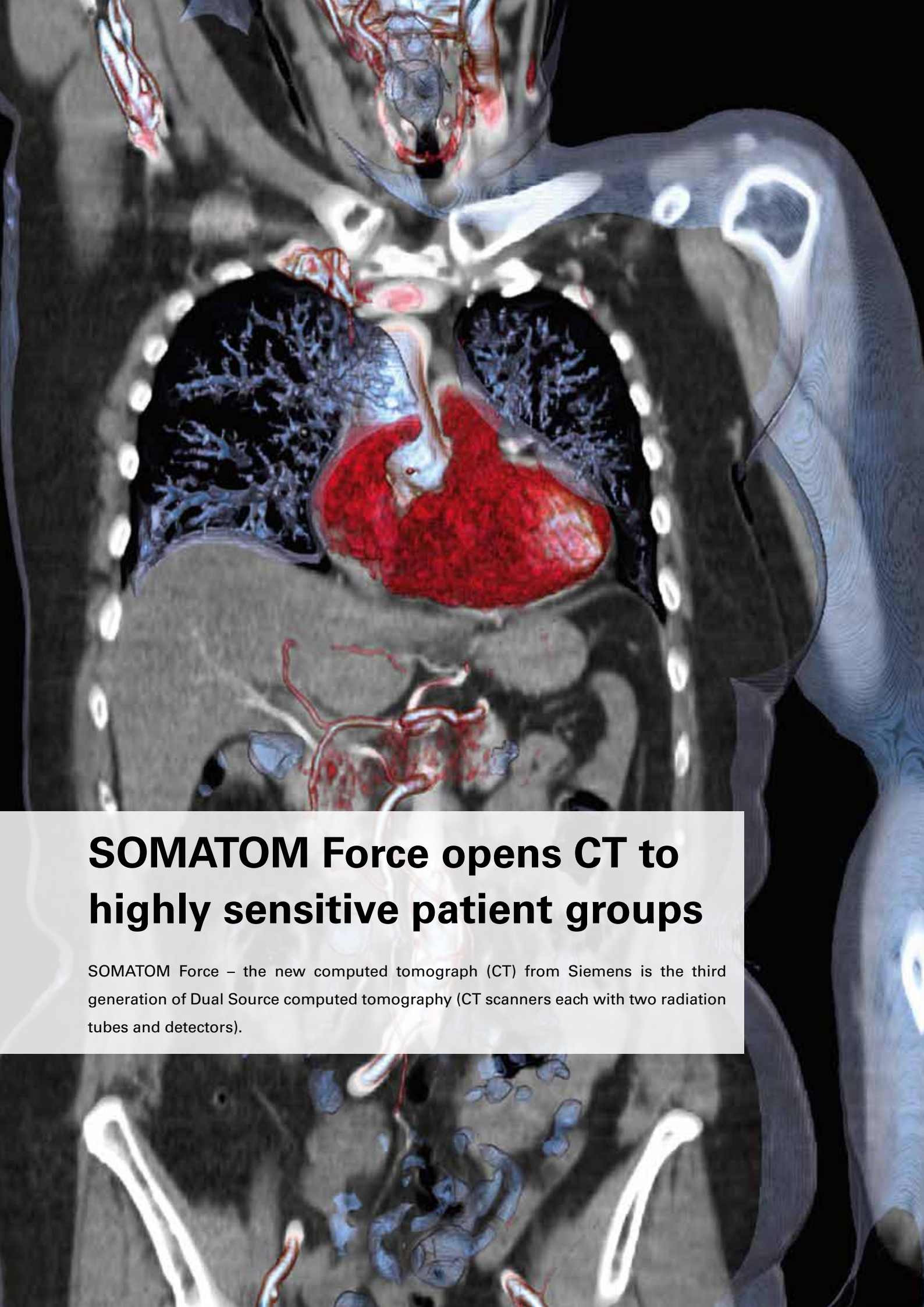
Hitachi SCENARIA

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

Highlights

- X-ray tube: 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





SOMATOM Force opens CT to highly sensitive patient groups

SOMATOM Force – the new computed tomograph (CT) from Siemens is the third generation of Dual Source computed tomography (CT scanners each with two radiation tubes and detectors).

In its first few weeks of clinical use at Mannheim's Institute for Clinical Radiology and Nuclear Medicine, Germany, SOMATOM Force enabled considerably quicker and more precise diagnoses at reduced doses. This high-end CT offers individualized diagnoses now especially also for challenging patients, e.g. for very young patients or people suffering from renal insufficiency, the seriously ill, and obese patients.

Less contrast medium reduces burden on the kidneys

Up to 20 percent of patients suffer from renal insufficiency. Contrast medium containing iodine can place extra burden on the kidneys of older patients and those with chronic illnesses in particular. Initial examinations in Mannheim show that the average quantity of contrast medium administered in thoracic examinations can be lowered from between 90 and 110 milliliters (ml) to between 25 and 35 ml. This is made possible by the two Vectron X-ray tubes in SOMATOM Force, which enable routine examinations at particularly low tube voltages of 70 to 100 kilovolts. As the contrast-to-noise ratio rises, the amount of contrast medium can be lowered accordingly.

Precise diagnoses for individual treatment

SOMATOM Force can also deliver considerable added value in treatment control. 4D imaging, which shows the function of organs and vessels next to their morphology, is particularly important here because it allows additional information to be gleaned about primary tumors and metastases. A disadvantage of this dynamic perfusion is that – up to now – high dose values of more than 50 millisievert (mSv) in certain cases are required e.g. for liver imaging. This dose can now be more than halved with SOMATOM Force. This fact enables the procedure to be used routinely, thus enabling quicker and more well-founded decisions to be made about which treatment is most suitable for an individual patient.

Early cancer detection at up to 50 percent lower dose

The NLST lung cancer screening study conducted in the U.S. has prompted a realignment of priorities in cancer prevention: The study showed that mortality rates can be reduced by 20 percent if early lung cancer detection is performed with low-dose CT rather than conventional chest X-rays. SOMATOM Force is particularly suitable for such early detection examinations. Up to 50 percent lower than that of previous high-end CTs, the radiation dose can be attributed to the "Turbo Flash Mode" of SOMATOM Force and the use of two special spectral filters – Selective Photon Shields – which optimize the X-ray spectrum and thus significantly improve the air/soft-tissue contrast.

Thorax diagnostics without breath-hold

Another advantage in pulmonary diagnostics is the enlarged field of view (50 centimeters) of the "Turbo Flash Mode", which



covers the

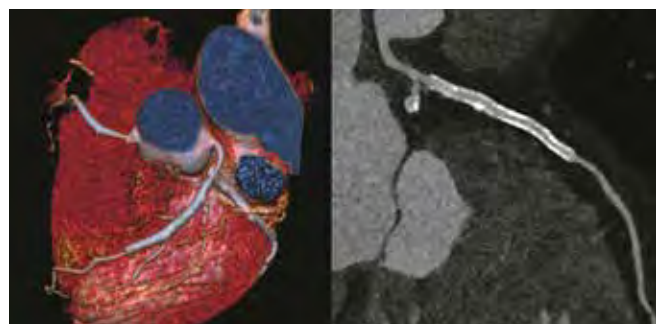
entire organ.

This extremely

quick scan mode with an acquisition rate of almost 400 millimeters per second allows the entire thorax to be depicted in around one second. If a larger area of the body is to be scanned, thanks to the fastest acquisition rate on the market (737 mm/s) entire thoracic-abdominal examinations can even be performed in just one second. This means that patients may not need to hold their breath. With SOMATOM Force, even high heart rates do not lead to disruptive motion artifacts in clinical images.


The products/features (here mentioned) are not commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Further details are available from the local Siemens organizations.

The statements by Siemens' customers described herein are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.



Siemens SOMATOM Definition Edge

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




Highlights

- 0.28 s rotation speed; spatial resolution of 0.50 mm; 0.5 mm slices
- Revolutionary Stellar detector and STRATON tube with z-Sharp for high-end imaging
- Raw-data based iterative reconstruction (SAFIRE) for up to 60 % dose reduction with up to 20 images/s
- Routine ready Single Source Dual Energy and Metal- Artifact-Reduction
- Dynamic imaging of up to 48 cm
- FAST CARE technology for workflow optimization

Siemens SOMATOM Perspective (64- and 128-slices)

Slices per rotation	64/128
Power	55 kW (112 kW equivalent)
Temporal resolution	195 ms with iTRIM (120 ms bi-segment)
Dual Energy	yes




Highlights

- Manage your financial performance with the unique eMode in combination with innovative service offerings
- Widen your clinical portfolio with high-end imaging at low dose
- Ease your working day with a fast recon speed of up to 20 images/s and the Illumination Moodlight
- Raw-data based iterative reconstruction (SAFIRE) for up to 60 % dose reduction at up to 15 images/s
- Efficient gantry design with an extremely short focal spot to isocenter distance

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

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



Highlights

- High rotation time of up to 0.5 s and 0 MHU STRATON tube with z-Sharp for excellent image quality
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV for up to 60% dose reduction
- Raw-data based iterative reconstruction (SAFIRE) for up to 60% dose reduction with up to 20 images/s
- 3D-guided intervention, upgradeable to Stellar detector

Toshiba Aquilion ONE VISION Edition

Slices per rotation	640
Spatial resolution	0.31 mm
Rotation speed	0.275 s




Highlights

- 640 slices per rotation
- 160 mm wide detector
- 78 cm bore
- 0.5 mm detector elements, 2 mm @ 3HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D iterative reconstruction
- Iterative bolus tracking
- Iterative 3D Fluoro (option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac
- Arrhythmia scanning
- Isophasic organ perfusion
- Ultra-Helical
- Dual Energy at 50 cm FOV (option)

Toshiba Aquilion ONE

Slices per rotation	640
Spatial resolution	0.31 mm
Rotation speed	0.35 s




Highlights

- Upgradeable to 0.275 s per rotation
- 160 mm wide detector
- 78 cm bore
- 0.5 mm detector elements, 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D iterative reconstruction
- Iterative bolus tracking
- Iterative 3D Fluoro (option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac
- Arrhythmia scanning
- Isophasic organ perfusion
- Ultra-Helical
- Dual Energy at 50 cm FOV (option)

Toshiba Aquilion PRIME

Slices per rotation	80 / 160
Spatial resolution	0.31 mm
Rotation speed	0.35 s



Highlights

- Upgradeable from 80 to 160 slices
- 40 mm wide detector
- 78 cm bore
- 0.5 mm detector elements, 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D iterative reconstruction
- Iterative bolus tracking
- Iterative 3D Fluoro (option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Low dose Helical Cardiac Prospective scanning (option)
- Dual Energy at 50 cm FOV (option)
- Up to 60 images/s reconstruction (option)
- 14.8 m² installation space

GE Healthcare

A good diagnosis
takes time. 29 ms.

The Discovery CT750 HD and Optima CT660
with Snapshot Freeze.

Snapshot Freeze introduces breakthrough capabilities to assist with the biggest challenges in Cardiac CT including motion in coronary arteries, calcium blooming and myocardium perfusion.

For more information go to www.ge-in-gesundheit.de



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GE imagination at work

Re-defining CT technology

Aquilion ONE Next Generation

The world's most advanced dynamic volume CT



The next generation of Aquilion ONE offers enhanced workflow and patient comfort along with innovative new imaging tools.

The latest evolution of the leading dynamic volume CT system sees increased ease of use for radiologists and radiographers, better patient safety and comfort as well as outstanding image clarity. Like its predecessor, the next generation of the Aquilion ONE system has the ability to scan entire organs in a single gantry rotation. The 16 cm detector makes it possible to capture morphology at a single moment in time - be it a heart, foot, or an infant's chest - and eliminates movement artefacts. Patient comfort and safety are optimized by a larger gantry aperture and a newly developed Quantum VI detector, providing higher light output for optimized dose reduction.

The new CT is entering the market at a time when Toshiba Medical Systems is set to become an ever more



Satoshi Tsunakawa, President and CEO, Toshiba Medical System Corporation, Japan

important 'player' within the Toshiba Corporation and the corporation's healthcare sector already has plans for further expansion. Satoshi Tsunakawa, President and CEO of Toshiba Medical Systems Corp., Japan, emphasizes that

the main aim of the business is to further extend the scope from medical diagnostics to new business to include disease prevention and patient care. Toshiba is already a key player in diagnostic imaging and has already sold 30,000 CT machines worldwide but believes there are further opportunities within the sector. "In order to realise this vision, our target for revenue in this year is 10% growth over last year," Tsunakawa adds.

At the heart of that growth – and a critical component in the evolution of the new Aquilion ONE – is the strong ethos of innovation within Toshiba. Henk Zomer, Senior Manager of the CT Business Unit at Toshiba Medical Systems Europe, says that innovation is a strong theme running through the development of CT within Toshiba which has seen the



SEMAR removes artefacts caused by metal and improves visualization of the implant, supporting bone and adjacent soft tissues for clearer and more confident diagnosis.

company become the CT market leader in Japan. At present, it is in third place on the global stage but has clearly-defined aims to become the number one CT manufacturer in the world. “Innovation never stops,” Zomer points out, and adds “it is a never-ending challenge between highly professional creative users and our engineers.”

Adaptive Diagnostics

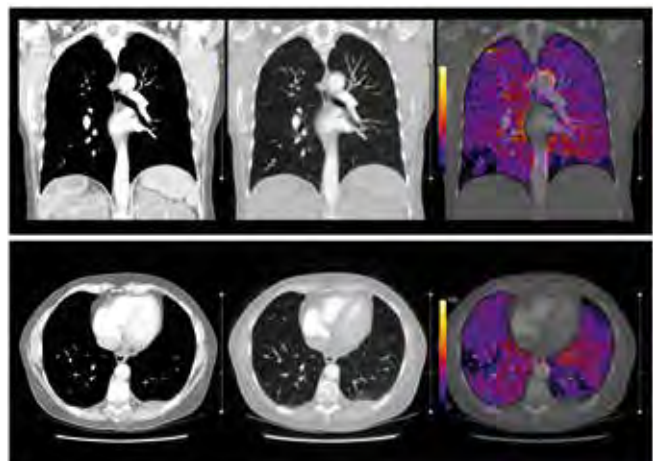
What sets the next generation of Aquilion ONE apart is its flexibility and performance, making use of new innovations like Adaptive Diagnostics, including Dual Energy raw data analysis, Variable Helical Pitch, SEMAR (Single-Energy Metal Artifact Reduction) and new SURESubtraction applications. Adaptive Diagnostics is Toshiba’s patient-centric suite of unique imaging solutions to simplify complex protocols and ensure consistent quality of results and simplifying workflows.

Meanwhile Dual Energy scanning is helping to bring greater consistency to clinical results. While anatomical structures attenuate X-rays differently, Dual Energy raw data analysis increases the amount of information available from CT imaging.

In addition the SURESubtraction applications provide clinical solutions to the challenges faced in everyday clinical practice: the brain subtraction algorithm enables accurate subtraction of the skull and medical implants; the neck subtraction deformable registration algorithm creates high-resolution images freed of bone structures; the lung subtraction provides iodine maps of the lung parenchyma with exceptional high contrast-to-noise ratio; and ortho subtraction ensures accurate subtraction of skeletal structures and calcified plaques.

With a constant focus on radiation dose, patient and staff safety, Toshiba developed fully integrated AIDR 3D (Adaptive Iterative Dose Reduction). AIDR 3D assists the radiologist in automatically saving dose on every examination while maintaining excellent diagnostic image quality at a radiation dose suitable for each patient.

A major challenge in CT remains the interpretation of scans from patients with metallic implants. This is where SEMAR technology plays a role by employing a sophisticated reconstruction algorithm to eliminate artefacts caused by metal while still improving visualisation of the implant. SEMAR can be used in routine low dose standard volume acquisitions and the combination with AIDR 3D provides excellent image quality.



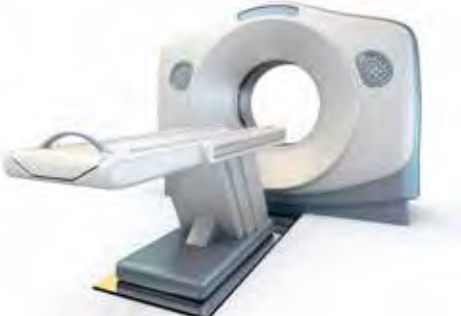
SURESubtraction Lung provides iodine maps of the lung parenchyma with a high contrast/noise ratio. The color overlay allows easy identification of hypo-perfused areas.

Summary

The next generation of Aquilion ONE marks a major step forward in scanning technology enhancing the whole CT experience for the patient and the health professional. With reduced radiation dose, less contrast agent, quicker delivery of results, improved imaging and increased versatility it offers a major advantage in technology and helps lead to better patient diagnosis and outcomes.

AGITO MEDICAL Refurbished GE LightSpeed VCT 64

Channels	64
Coverage	64 x 0.625
Rotation	0.35 sec




Highlights

- Refurbished medical equipment
- Service contracts
- Turn-key solutions
- Spare parts
- System installation
- Application training
- Site planning
- Deinstallation and project management
- We purchase your used equipment

GE Healthcare Optima CT660 S

Channels	64
Coverage	40 mm isotropic, 64i - 0.625 mm (overlap), 32i - 0.625 mm, 16i - 1.25 mm, 8i - 2.5 mm, 4i - 5 mm, 2i - 10mm
Rotation	0.4 s (cardiac 0.35 s)




Highlights

- 64 and 128 slices imaging
- Latest innovations in a 40 mm detector CT
- Leadership in advanced cardiac CT
- Intelligent cardiac CT with Snapshot
- Assist and Snapshot Freeze
- Unique workflow features
- Real time recon (55 fps)
- Fast acquisitions with high helical pitch (1.531)
- Automatic reconstruction with 10 PMR
- Up to 40% dose reduction across the body
- Up to 500 slices coverage for perfusion
- 60% lower CO2 emission and energy saving
- Scalable and modular
- Compact for easy siting (18 sqm)
- Integrated ASiR reconstruction

Siemens SOMATOM Definition AS (64-slice configuration)

Slices per rotation	192
Power	up to 100 kW
Gantry bore	78 cm
Dual Energy	yes




Highlights

- High rotation time of up to 0.3 s and 0 MHU STRATON tube with z-Sharp for excellent image quality
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV for up to 60% dose reduction
- Raw-data based iterative reconstruction (SAFIRE) for up to 60% dose reduction with up to 16 images/s
- 3D-guided intervention
- Special configuration for dedicated radiation therapy planning
- Fully onsite upgradeable to 128 slices with Stellar detector

Siemens SOMATOM Definition AS (20- and 40- slice configuration)

Slices per rotation	20/40
Power	80 kW
Gantry bore	78 cm
Dual Energy	yes




Highlights

- High rotation time of up to 0.33 s and 0 MHU STRATON tube with z-Sharp for excellent image quality
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV for up to 60% dose reduction
- Raw-data based iterative reconstruction (SAFIRE) for up to 60% dose reduction with up to 16 images/s
- 3D-guided intervention
- Fully onsite upgradeable to 128 slices with Stellar detector

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

Slices per rotation	16/32
Power	55 kW (112 kW equivalent)
Temporal resolution	195 ms with iTRIM (120 ms bi-segment)
Dual Energy	yes




Highlights

- Manage your financial performance with the unique eCockpit in combination with innovative service offerings
- Widen your clinical portfolio with high-end imaging at low dose
- Ease your working day with a fast recon speed of up to 20 images/s and the Illumination Moodlight
- Raw-data based iterative reconstruction (SAFIRE) for up to 60% dose reduction at up to 15 images/s
- Efficient gantry design with an extremely short focal spot to isocenter distance

Toshiba Aquilion RXL

Slices per rotation	16 / 32
Spacial resolution	0.35 / 0.31 mm
Rotation speed	0.40 s (option)



Highlights

- Upgradeable from 16 to 32 slices
- Upgradeable to 0.4 s rotation
- 32 mm wide detector
- 72 cm bore
- 0.5 mm detector elements, 2 mm @ 3 HU LCR
- AIDR 3D iterative reconstruction
- Dose check and report
- SURECardio, automatic optimization scan/reconstruction
- parameters (option)
- Low dose Helical Cardiac Prospective scanning (option)
- CT DSA with SURESubtraction (option)
- SUREFluoro for intervention procedures (option)
- SUREXtension, remote access (option)
- Reduced energy consumption

2 TO 16 SLICES

AGITO MEDICAL GE CT Service Provider



Highlights

- Full service contracts
- Lead shielding
- Preventive maintenance
- Tube changes
- Application training
- System relocation and installation

AGITO MEDICAL Refurbished GE Brightspeed 16

Channels 16
Coverage 16 x 0.625
Rotation 0.5 sec



Highlights

- Refurbished medical equipment
- Service contracts
- Turn-key solutions
- Spare parts
- System installation
- Application training
- Site planning
- Deinstallation and project management
- We purchase your used equipment

GE Healthcare Optima CT540

Channels 16
Rotation 0.5 sec

Highlights

- The Optima CT540 optimizes the patient experience while continuing to provide exquisite image quality.
- 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.
- 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 Optima CT520

Channels 16

Highlights

- Designed to help healthcare providers deliver the best patient care with customer inspired enhancements including:
 - Superb image quality
 - Advanced dose optimizing features
 - Streamlined workflow
 - Technological innovations
- Built on reliable and proven technology, the Optima® CT520 combines advanced clinical capacity with economic value.



GE Healthcare Brivo CT385

Slice thickness 0.625
Channels 16

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.
- Energy saving mode.

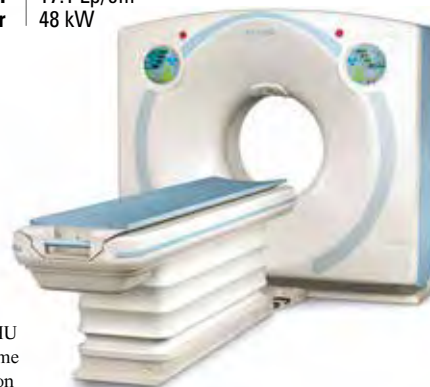


Hitachi ECLOS 16

Slices per rotation 16
Spatial resolution 17.1 Lp/cm
Power 48 kW

Highlights

- X-ray tube: 5.0 MHU
- Sub-second, real-time image reconstruction
- Weight limit of the table: 225 kg
- Up to 1,750 mm of coverage under X
- Minimum slice thickness: 0.625 mm





No room for compromise

The new benchmark in ultra high-end computed tomography

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



Uncompromising performance – The Revolution CT has been specially developed to combine uncompromising image quality and a wide range of clinical applications in one single system with high-performance technical components.

By bringing together different technological concepts, GE Healthcare has succeeded for the very first time in combining the leading technological concepts of computed tomography in one single device. This device is called the Revolution CT. The product is a technological sensation: It offers the highest temporal and spatial resolution (24 ms/0.23 mm) and excellent coverage all in one single device. The new CT represents a revolution from both a technical and clinical point of view and can be used in cardiology, neurology and oncology.

The company will be presenting the new technology for the first time in Europe at the 8th International Symposium for Multislice CT in Garmisch-Partenkirchen (22 to 25 January 2014).

Radiologists and MTRAs 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. However, multiple scans and numerous screening procedures are necessary until an actual recommendation for treatment is found.

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 MTRAs 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.

The device is especially advantageous when it comes to carrying out a quick examination on critically ill and challenging patients: People who experience problems holding their breath, have an irregular pulse or suffer from kidney failure can be examined accurately using the new Revolution CT with breathing spaces of less than a second at high and fluctuating heart rates and a low concentration of contrast agent. The same applies to patients who are unable to control their movements and behavior sufficiently.

* The CE conformity procedure for the GE Revolution CT is currently underway. The device cannot be placed on the market or put into operation before the conformity certificate (CE marking) has been issued.

See the Revolution CT for yourself at the GE Satellite Symposium "Revolution in Advanced CT Imaging". The first user of the Revolution CT worldwide will be addressing the people in attendance.

23 January 2014 at 6 pm at the Kongresszentrum/Olympiasaal

Siemens SOMATOM Emotion (16-slice configuration)

Slices per rotation	16
Power	50 kW
System Footprint	8 m ²
Installation Area	18 m ²

**Highlights**

- Committed to continuous innovation, SOMATOM Emotion now 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, powered by *syngo.via*
- Installed at nearly 9,000 institutes around the world; famous for its high versatility and high performance.
- It's great value for money
- Fabulous for its leading image quality, with the great routine spatial resolution and very small focal spot
- Fabulous leading dose technology with CARE Dose4D and Iterative reconstruction (IRIS)

Siemens SOMATOM Emotion (6-slice configuration)

Slices per rotation	6
Power	40/50 kW
System Footprint	8 m ²
Installation Area	18 m ²

**Highlights**

- Fast workflow for intervention and versatile post processing capabilities, powered by *syngo.via*
- Famous for its small footprint, extremely low power and air conditioning requirements
- Fabulous for its leading image quality, with the great routine spatial resolution and very small focal spot
- Famous for meeting all clinical requirements with its perfectly balanced geometry
- Fabulous leading dose technology with CARE Dose4D

Siemens SOMATOM Emotion Excel Edition

Slices per rotation	16
Power	50 kW
System Footprint	8 m ²
Installation Area	18 m ²

**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. It's great value for money. 16-slice scanner with great value for money
- Famous for its small footprint, extremely low power and air conditioning requirements
- Fabulous for its leading image quality, with the great routine spatial resolution and very small focal spot
- Fabulous leading dose technology with CARE Dose4D and iterative reconstruction (IRIS)

Siemens SOMATOM Scope

Slices per rotation	16
Power	27/50 kW
System Footprint	8 m ²
Installation Area	12 m ²

**Highlights**

- Leading image quality with resulting 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)
- All-in-one workplace and FAST CARE technologies for more efficient examination procedures
- Optimized total cost of ownership due to reduced overhead costs and extended scanner lifetime with eCockpit

Siemens SOMATOM Spirit

Slices per rotation	2
Power	26/40 kW
Spacial 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
- CARE Dose4D enables a dose reduction up to 68%
- Increased volume coverage with gantry rotation speed of up to 0.8 s

Toshiba Astelion Advance Edition

Slices per rotation	16 / 32
Spacial resolution	0.35 mm
Rotation speed	0.75 s

**Highlights**

- Upgradeable from 16 to 32 slices
- Upgradeable to 0.6 s rotation
- 20 mm wide detector
- 72 cm bore
- 0.5 mm detector elements, 2 mm @ 3 HU LCR
- AIDR 3D iterative reconstruction
- Navi Mode Operation for fast patient throughput
- CT DSA with ^{SURE}Subtraction (option)
- ^{SURE}Fluoro for intervention procedures (option)
- 2.9 ton/year reduction of CO₂ emission
- Minimized energy consumption
- Minimum foot print of 10.4 m²

ONCOLOGY CT

GE Healthcare Discovery CT590 RT

Channels	16
Coverage	16 x 0.625 or 16 x 1.25
Rotation	0.5 s

Highlights

- 8/16 slices imaging systems
- Wide bore geometry (80 cm)
- GE MicroVoxel technology
- Biopsy and interventional modesobese patient capability up to 295 kg
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40% dose reduction across the body with integrated ASiR reconstruction
- Respiratory gating solutions with RPM camera
- 4D gating reconstruction on the operator console
- Complete and easy to use RT simulation planning solution with SIM MD on AW



GE Healthcare Optima CT580 Series

Channels	8 or 16
Coverage	8 x 1.25 or 8 x 2.516 x 0.625 or 16 x 1.25
Rotation	0.8 or 0.5 s

Highlights

- 8/16 slices imaging systems
- Wide bore geometry (80 cm)
- GE MicroVoxel technology
- Biopsy and interventional modesobese patient capability up to 295 kg
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40% dose reduction across the body with integrated ASiR reconstruction
- Respiratory gating solutions with RPM camera
- 4D gating reconstruction on the operator console
- Complete and easy to use RT simulation planning solution with SIM MD on AW



SCANORA® 3Dx

The in-office
Cone Beam CT
system for
Head & Neck imaging



- Wide area of applications (up to 8 FOV's)
- Patients receive considerably less dose compared to medical CT
- Point-of-care operation provides CT results during the initial office visit
- Complete solution with 3D software package

SOREDEX

www.soredex.com

Digital
imaging
**made
easy™**

Siemens SOMATOM Definition AS RT pro edition

Slices per rotation	20/64
Power	80 kW
Gantry bore	80 cm
Dual Energy	yes

Highlights

- High rotation time of up to 0.3 s and 0 MHU STRATON tube with z-Sharp for excellent image quality
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV for up to 60% dose reduction
- Raw-data based iterative reconstruction (SAFIRE) for up to 60% dose reduction with up to 16 images/s
- 3D-guided intervention
- Special configuration for dedicated radiation therapy planning

**Toshiba Aquilion LB**

Slices per rotation	32
Spatial resolution	0.5 mm
Rotation speed	0.50 s

**Highlights**

- 32 slices
- 0.5 s per rotation
- 32 mm wide detector
- 90 cm bore
- 70 cm FOV, 85 cm extended FOV
- 0.5 mm detector elements, 2 mm @ 3 HU LCR
- 500 kg patient load table
- AIDR 3D iterative reconstruction
- Respiratory gating (option)
- Oncology table top (option)
- CT DSA with SURESubtraction (option)
- SUREFluoro for optimal intervention procedures (option)
- SUREXtension, remote access for instant reporting (option)
- Reduced energy consumption

SURGICAL CT**Medicor NeuroLogica BodyTom Portable CT-Scanner**

Field of View	60 cm
Gantry bore	85 cm
Coverage	4 cm = 32 Slice x 1.25 mm
Spatial resolution	17 Lp/mm

Highlights

- KV Range 80 - 140 kVat 300 mA
- Focal spot size 1.2 mm x 1.4 mm
- DICOM 3.1 with modality worklist
- Internal lead shielding
- Compatible with all surgical navigation systems
- Weight 1,497 kg, L 225 cm x W 91 cm x H 202 cm
- Advanced visualization software package
- 2D, 3D and MPR tools
- Dose display prior to scan
- Battery powered

**Medicor NeuroLogica CereTom**

Field of View	25 cm
Gantry bore	32 cm
Slice thickness	1.25, 2.5, 5 and 10 mm
Rotation speed	1 sec

Highlights

- Images compatible with surgical navigation systems
- wireless connectivity to PACS and DICOM 3 compliant with modality worklist
- Intraoperative scanning capabilities with DORO CERETOM intraoperative cranial stabilisation system
- Immediate 2D, 3D and MPR images with custom pre-set protocols
- Advanced visualisation solutions powered by Barco

**DIGITAL VOLUME TOMOGRAPHY****Planned Oy Verity**

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

Highlights

- Cone Beam CT (CBCT) scanner dedicated to extremity and maxillo-facial 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



RAD

BOOK 2014

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www.radbook.eu

SOREDEX SCANORA 3D

Scan volume	60x60 mm - 130x145 mm
Voxel size	0.133 mm - 0.35 mm
Scan time	11 - 26 sec.
System footprint	
Installation Area	187 cm x 187 cm



Highlights

- SCANORA 3D is a medium field-of-view Cone Beam CT imaging system for head and neck area. The system is available with optional RealPAN panoramic imaging with dedicated sensor.
- The patient is seated on the integrated chair for ascertaining stability. The FOV size (from 60x60 mm up to 130x145 mm) and protocol are user selectable according to the diagnostic task. The FOV can be freely located in the skull area thanks to motorized positioning movements and laser lights.
- The ClearTouch control panel ensures smooth workflow.
- The modern 3D imaging technique provides excellent diagnostic performance with low x-ray dose.

SOREDEX SCANORA 3Dx

Voxel size	0.1 mm - 0.5 mm
Scan time	18 - 34 sec.
System footprint	
Installation Area	50x50 mm - 240x165 mm
	187 cm x 187 cm



Highlights

- SCANORA 3Dx is a large field-of-view Cone Beam CT imaging system for head and neck area. The system is available with optional RealPAN panoramic imaging with dedicated sensor.
- The patient is seated on the integrated chair for ascertaining stability. The FOV size (from 50x50 mm up to 240x165 mm) and protocol are user selectable according to the diagnostic task. The FOV can be freely located in the skull area thanks to motorized positioning movements and laser lights.
- The ClearTouch control panel ensures smooth workflow.
- The modern 3D imaging technique provides excellent diagnostic performance with low x-ray dose.

Villa Sistemi Medicali Rotograph Evo 3D

Scan volume	85 x 85 mm
Voxel size	166 µm
Scan time	11.2 s (exposure)



Highlights

- 3-in-1 dental system with "Cone Beam" technology
- Pan-3D detector always ready to operate: no need to switch it from Pan to 3D mode
- Can be integrated with Cephalometric arm
- Optional Evo Xp Examination Module enlarges the traditional Panoramic views
- Accessible to any patient, including ones on wheelchairs
- Reconstruction time as low as 45 s
- Upgradeable to 145 x 114 x 95 mm FOV volume

ACCESSORIES / COMPLEMENTARY SYSTEMS

AGITO MEDICAL Mobile Rental Solutions



Highlights

- AGITO Medical offers a wide selection of customized medical trailers and modular buildings, available for short- and long-term rental.
- GE Lightspeed VCT 64 Trailer
 - GE Lightspeed 16 Pro Trailer
 - GE Optima MR360 Advance 1.5T Trailer
 - GE Excite HDxT 23.x 1.5T Trailer
 - Siemens Magnetom Avanto 1.5T Relocatable
 - GE Signa HD 1.5T Relocatable
 - Siemens Magnetom Symphony 1.5T Relocatable
 - Philips Gemini GXL16 Trailer
 - GE Innova 2000S Trailer
 - Additional systems available on request

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



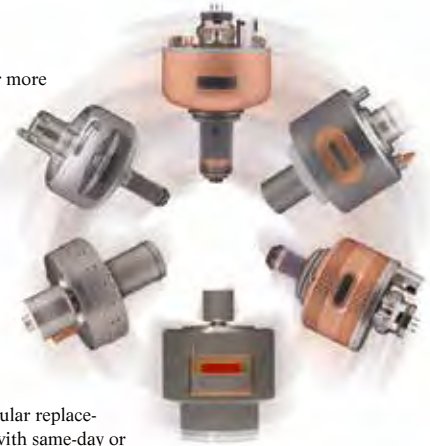
Highlights

- Replacement for GE LightSpeed VCT and select Series* CT systems
 - Offers the same warranty as the OEM product
 - Keep your system operational without breaking the budget
- * All product listed may be trademarked by the referenced OEM

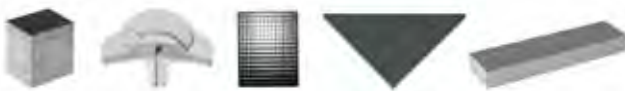
Dunlee Replacement Tubes

Highlights

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



Dunlee Smit Röntgen Tungsten Laser Melted Products



Highlights

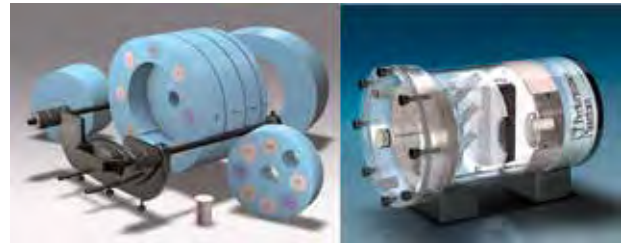
Smit Röntgen offers pure Tungsten products made by Powder Bed Laser Melting. With this new, unique and patented technology, freeform parts made out of pure tungsten can be manufactured

Applications:

- CT anti-scatter grids
- Collimators for Molecular Breast Imaging and SPECT
- Dedicated X-ray shieldings and collimation parts
- X-ray tube parts

- Features:
- Breakthrough freedom of design
- Eco-friendly technology
- Unparalleled short design cycle
- Sold through Dunlee

GCTechnology CIRS Phantoms



Highlights

- Electron density phantom family for diagnostic and CBCT
- Tissue equivalent CT dose phantoms
- Bone analysis CT simulator
- Spiral / helical CT phantom
- AAPM CT performance phantom
- 3D sectional torso phantom

I.A.E. RTC 165



Highlights

- Replacement for GE Scanners: Sytec 6,000 / 8,000 Prospeed, Hi-speed 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

medifa-hesse MRT5600 II

Power | 2,340 x 500 mm
1.0 mm /100 kV
300 W (line) or battery



Highlights

- Table top as well as rails at head end and beside the lying surface are made of carbon fiber for excellent usage of c-arms
- Height adjustment, Trendelenburg positioning, lateral tilt and sliding of table top by hand switch or operating panel at the column
- Longitudinal as well as transversal slide of table top additionally by joystick
- All adjustments work electro-hydraulically
- Supports patients weight up to 250 kg in each position

PTW NOMEX Dosemeter – True Precision. PTW.

Highlights

- CE marked, class IIb certified DOSEMETER, fully compliant with IEC 61674
- 300 mm long or 100 mm long CT ion chamber can be connected for measurements acc. to IEC 60601-2-44
- Provides for automatic air density correction for precise results
- Software menu in Cn/GB/Fr/Ge/It/JP/Pt/Ru/Es
- Stored data and waveform export as XLS file via USB or BT
- Accessories: CE marked, class I certified CTDI PHANTOMS (single or combined HEAD and BODY PHANTOM) available



Varian MCS 6074 Replacement Tube



Highlights

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

Varian MCS 8064 Replacement Tube



Highlights

- Replacement tube for GE Lightspeed VCT
- Installs and calibrates like the original
- Over 30,000 anode end grounded (AEG) tubes sold
- Designed with Varian



24 m² with 80 km/h

MOBILE MRI

-269 °C and 1,5 Tesla



LEADING INDEPENDENT SPECIALIST FOR MOBILE MEDICAL IMAGING

INTERIM SERVICE

Interim Service ensures continuity of your diagnostic imaging department during downtimes

ROUTE SERVICE

Routing Service of mobile MRI, CT, PET/CT, ESWL and SBB

MODULAR BUILDING

Providing custom build modular buildings for MRI, CT, PET, PET/CT

PRE-OWNED

Please ask us about our preowned equipment (e.g. MRI, CT, PET, PET/CT) or provide us your old system to purchase

www.alliancemedical.de

MAGNETIC RESONANCE IMAGING

China Resources Wandong Medical Equipment Co., Ltd (previously Beijing Wandong Medical Equipment Co., Ltd, CR Wandong for short) has dedicated itself to the R&D, manufacture, sales and service of medical imaging equipment for 58 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/ACR approved. 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.





Toshiba's Vantage ELAN combines clinical performance with affordability and patient comfort

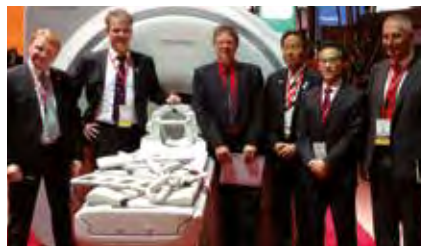
Toshiba's new Vantage ELAN

Combines Strong Performance and Affordability

Cost-effective and compact, the premium 1.5T MRI Vantage ELAN™ system uses the same type of magnet as other Toshiba products to achieve excellent image quality but requires a mere 23 sqm of space. With its widely recognised complete M-Power clinical application software suite and HHS (High Speed Switching) technology to facilitate the use of 16 channel coils, the Vantage ELAN manages to maintain ease of use for the operator while offering a quiet and comfortable patient experience due to Toshiba's renowned Pianissimo noise reduction technology.

This low-noise quality was one of the features of the Vantage ELAN that particularly attracted radiologist Dr Peter Thorsten since it is an innovation which significantly improves patient experience. When expanding his radiology practice in Güstrow, Germany, Thorsten selected Toshiba's Vantage ELAN – the first such system outside of Japan – as the

“natural choice” in view of the successful relationship with the company following the installation of a Vantage Titan



Dr. Peter Thorsten (third from left) from Güstrow, Germany, is particularly impressed by the comprehensive coil concept and the low-noise performance of Vantage ELAN

MRI scanner in 2010. He is particularly enthusiastic about the user interface of the Vantage ELAN and since his staff is already familiar with the Toshiba protocols, the shift to the new system will be smooth.

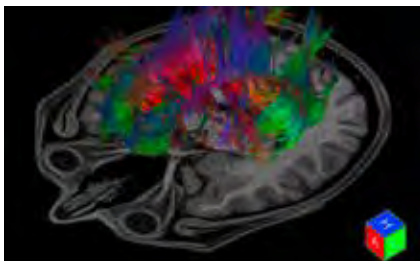
“I had the opportunity to look at the system at RSNA in Chicago and was so impressed by its performance and the coil concept that we decided to acquire it,” Dr Thorsten explained. It will be used for all types of examinations from the head to the spinal column and joints. “Moreover,” he added, “abdominal MRI is an important area in our office and the Toshiba sequence strategy has enabled us to specialize in MR phlebography.”

As Toshiba aims to grow its market share, particularly in Europe, the company is confident that the addition of the Vantage ELAN to its MRI portfolio has created a unique opportunity within the marketplace.

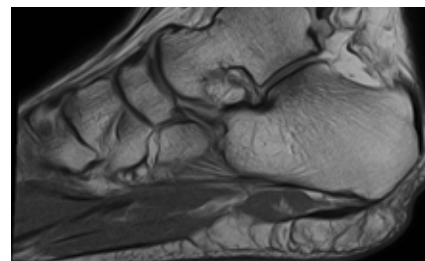
Alain Bertinatti, Toshiba Medical System Europe's MR Business Unit Manager, underlined that the cost pressure hospitals and healthcare systems are currently experiencing was a major consideration in the development of the new product. Faced with the decision to



Time-SLIP of renal vessels, a non-contrast-enhanced MR angio technique



Tractography of the brain, acquired with a DTI scan in 49 directions



An FSE PD scan acquired with a 16 element flex coil

either compromise on its renowned image quality, design, technical innovation or unique set of features or to endeavour to deliver a high quality product at a competitive price, the company clearly opted for the latter. Bertinatti is proud to present the Vantage ELAN system which combines outstanding homogeneity and a 1.5T ultra-short zero boil-off magnet to offer excellent image quality. In addition, the system is equipped with Eco Mode technology to ensure highest energy efficiency.

Bertinatti pointed out that all the latest innovations of Toshiba systems are available on the Vantage ELAN, including Toshiba's advanced non-contrast MRA technology, which allows exceptional vascular imaging without the use of contrast, thus reducing patient risk and at the same time being cost-effective.

Dr Isabelle Parienty-Boyer from the Radiodiagnostic and Medical Imaging Centre, Hauts-de-Seine, France, is a specialist in non-contrast renal MR angiography. She performed about 700 examinations of renal arteries in patients suffering from renal insufficiency. Since referring nephrologists often ask her to refrain from using gadolinium she works with Toshiba's Vantage MR system without contrast agents because the results are as good as the contrast-enhanced scans, sometimes even better. In her opinion Toshiba offers the best equipment for this type of exami-

nation because of the ability to use two planes, axial and coronal.

Hans Baartman, Senior Product Manager at Toshiba Medical Systems Europe, highlighted another major benefit of the Vantage ELAN: the ease and speed of installation. Since the system requires little space it can simply be integrated in the examination room. With all elements such as ECG and recording equipment integrated it is ergonomically designed to be comfortable for the operator. Feet first imaging significantly enhances the patient experience, Baartman said, adding that Pianissimo capability, integrated coils and sound suppression technology reduce the noise of the MRI environment. "There is also the

option to tilt the patient's head 10 or 20 degrees in order to make the patient feel a little more comfortable. Moreover the new light design of the board helps reduce the claustrophobic feeling many patients experience," he added.

The Vantage ELAN has a 63 cm aperture with feet first imaging available for all types of examinations, except for scanning of the head and upper torso. Full angio and cardio suites are available, and the body package can be extended to include the SpineLine application offering fully automated planning of spine examinations. Together, these options enable head to toe imaging.

The Vantage ELAN requires a mere 23 sqm installation space



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 Discovery* MR750w 3.0 T

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 cm FOV
- Geometry Embracing Method (GEM**): light-weight and fl exible coils, embedded posterior array, open face head/neck unit, feet fi rst imaging
- Multi-drive RF transmit improves RF uniformity and signal homogeneity
- Optical RF - analog to digital-optical signal conversion

* Discovery is a trademark of General Electric Company. The MR750w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA

** The GEM coil suite available on MR450w and MR750w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA

GE Healthcare Signa HDxt 3.0 T - Optima* Edition

Gradient	50 mT/m
Slew rate	150 T/m/s
Channels	up to 32



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
- Optical RF - analog to digital-optical signal conversion

* Optima is a trademark of General Electric Company

** The GEM coil suite available on MR450w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA

GE Healthcare MRgFUS

Field Technology	1.5 T / 3.0 T
Clinical Application	Combination of MR imaging and highly intense ultrasound ExAblate 2,000 (InSightec) Uterine fibroids / bone tumors* / breast cancer* / liver tumors* / prostate cancer*




Highlights

- No radiation
- Visualizes and controls treatment by monitoring tissue effect real time
- Limited conscious sedation (except for liver application general anesthetic; necessary)
- Quick recovery, low rate of complications

* Investigational use

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

- Unmatched 3T magnet
- Highest gradient amplitude and performance with XR 80/200
- Parallel transmit technology (TimTX TrueShape and ZOOMit standard)
- Tim 4G integrated coil technology
- Pioneering research applications

Siemens MAGNETOM Skyra, A Tim+Dot System

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



Highlights

- 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 higher signal purity and improved stability
- TrueForm design for optimized homogeneity volumes matching the true form of the body
- New fixed and Tim dockable table options



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



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Siemens **MAGNETOM Verio, A Tim+Dot System**

Field strength	3T
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 3T 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
- Increased result consistency for faster diagnosis

Siemens **MAGNETOM Spectra, A Tim+Dot System**

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




Highlights

- Outstanding image quality with Tim 4G DirectRF technology
- Best-in-class 3T image homogeneity with TimTX TrueForm
- Excellent usability and image consistency with Dot
- 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 optimum TCO

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
- Atlas, full matrix coil concept
- Connectivity of up to 136 coil elements simultaneously with 16 or 32 channel-readout
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Image reconstruction rate of up to 12,600 img/s
- M-Power intuitive graphical user interface

1.5 TESLA

GE Healthcare **Discovery MR450 1.5 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 **Optima* MR450w with GEM Suite**

Gradient	34 mT/m
Slew rate	150 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
- Optical RF - analog to digital-optical signal conversion

* Optima is a trademark of General Electric Company

** The GEM coil suite available on MR450w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA

GE Healthcare **Optima* MR430s 1.5 T**

Gradient	70 mT/m
Slew rate	300 T/m/s



Highlights

- High field MR speciality system for extremity imaging
- Innovative design offers improved MR experience for patients as well as more efficiency and simplicity for technologists
- Minimal space requirements (20 m²)
- Most powerful gradients commercially available
- Healthymagination validated product

* Optima is a trademark of General Electric Company. The MR430s cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA

GE Healthcare Optima MR360 Advance 1.5T

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



Highlights

CARING DESIGN.

ADVANCED PERFORMANCE.

- Homogeneous magnet
At the heart of the Optima MR360 Advance is our same proven, highly homogeneous magnet (typical ppm <0.06 ppm @ 30 cm DSV)
- Optical RF (OpTix)
OpTix Optical RF technology offers high channel count, analog to digital-optical signal conversion. OpTix provides up to 27 percent higher signal to-noise ratio (SNR)
- READY Interface
The READY Interface streamlines workflow by offering simplified control of the scan parameters
- Express Suite
The Express Suite coil design achieves outstanding coverage and penetration depth

GE Healthcare Signa HDxt 1.5 T -Optima* Edition

Gradient 33 mT/m
Slew rate 120 T/m/s
Channels 8 / 16 / 32



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
- Optical RF - analog to digital-optical signal conversion

* Optima is a trademark of General Electric Company

** The GEM coil suite available on MR450w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA

GE Healthcare Optima MR360 1.5 T

Gradient 33 mT/m
Slew rate 100 T/m/s
Channels up to 16



Highlights

- Remarkable flexibility and efficiency to match a wide range of imaging needs
- High image quality and lower total cost of ownership
- Technologists benefit from ease of use and confidence
- Radiologists benefit from expanded diagnostic capabilities administrators benefit from more satisfied patients, efficient throughput, and opportunities for growth

GE Healthcare Brivo MR355 Inspire 1.5T



Highlights

CARING DESIGN.

PRACTICAL TECHNOLOGY.

- Optical RF (OpTix)
OpTix Optical RF technology offers high channel count, analog to digital-optical signal conversion. OpTix provides up to 27 percent higher signal-to-noise ratio (SNR)
- Usable FOV
At the heart of the Brivo MR355 Inspire is our same proven, highly homogeneous magnet (typical ppm <0.06 ppm @ 30 cm DSV)
- READY Interface
- The READY Interface streamlines workflow by offering simplified control of the scan parameters, which may allow for greater consistency from technologist to technologist and ultimately patient to patient.

GE Healthcare Signa HDx 1.5 T

Gradient 23 mT/m
Slew rate 50 T/m/s
Channels 8



Highlights

- Compact MR design – only 25 m2 siting space
- Low operating costs – 25% less than other 1.5 T systems
- High fidelity gradients to achieve accurate gradient pulses
- Broad range of high density coils for all applications
- Exclusive HD applications
- Consumes 41% less energy than previous generation systems, GE

Hitachi ECHELON OVAL

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




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

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

Siemens MAGNETOM Aera, A Tim+Dot System

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




Highlights

- High patient comfort with 70 cm Open Bore in combination with ultra-short system design (145 cm cover to cover)
- Up to 50% higher productivity with Tim 4G and Dot
- Full range of applications for the clinical routine
- DirectRF - digital in/out for higher signal purity and improved stability
- TrueForm design for optimized homogeneity volumes matching the true form of the human body
- Tim Dockable Table - mobility done right

Siemens MAGNETOM Espree, A Tim System

Field strength	1.5T
Gradient	33 mT/m
Slew rate	170 T/m/s
Channels	Up to 32




Highlights

- Greater patient access and comfort with 70 cm Open Bore
- Shortest MRI system with only 125 cm system length (cover to cover)
- Increased throughput with Tim
- Attract a wider range of patients
- Maximized patient access and 60% head-out exams
- Maximizing return due to minimized siting requirements and costs

Siemens MAGNETOM Avanto, A Tim+Dot System

Field strength	1.5T
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
- Strong gradients for high resolution and short scan times
- Increased result consistency for faster diagnosis
- Faster training and increased staff versatility
- AudioComfort
- Broad application range
- Easy siting conditions

Siemens MAGNETOM ESSENZA, A Tim+Dot System

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




Highlights

- Higher patient comfort, due to light-weight coils, ultra-short magnet design and faster exams
- Increased throughput, consistency, and ease of use - with Dot
- Greater clinical scope with standard and advanced clinical applications
- Diagnostic confidence through remarkably high 1.5T image quality
- Excellent life-cycle value through low installation and operating costs

Toshiba Vantage Titan Helios

Gradient	36 mT/m
Gradient slew rate	203 mT/m/ms
Channels	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 up to 128 coil elements with 16 or 32 channel-readout
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Optical data transfer
- Image reconstruction rate of up to 12,600 img/s
- Intuitive M-Power graphical user interface



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 up to 128 coil elements with 8, 16 or 32 channel-readout
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Optical data transfer
- Image reconstruction rate 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, acoustic noise reduction system
- Low couchtop of 45 cm for easy patient access
- Connectivity of up to 44 coil elements simultaneously
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Optical data transfer
- Image reconstruction rate of up to 12,600 img/s
- Intuitive M-Power graphical user interface
- Integrated cooling cabinet
- Fully enclosed and isolated cabinets reduce acoustic equipment noise to 50dB
- No need for additional airconditioning
- No need for separate technical room

Wandong i_Magnate 1.5 T Superconducting MRI System

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



Highlights

- Optical RF technology greatly brings greater SNR ratio and highly increase image quality
- Ultra short bore of only 140 cm with a spacious bore diameter of 62 cm
- 8 - 32 channel parallel acquisition achieve higher scanning speed
- Zero helium consumption technology
- Mobile device control available
- Powerful workstation with various image processing function

MAGLIFE Serenity



MR-compatible Monitoring

MAGLIFE Serenity guarantees highest ECG quality during MRI scanning even under strongest gradient influence. It is specifically developed to monitor all vital parameters during anaesthesia of adults, children and neonates in an MRI environment.



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OPEN

Xingaoyi (XGY) SUPERSCAN -1.5 T

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

**Highlights**

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

Esaote G-scan Brio eXP

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

**Highlights**

- G-scan Brio eXP is a third generation dedicated MRI for MSK imaging in supine and weight-bearing position.
- G-scan Brio eXP Image quality in line with today's standards. Featuring the complete range of MRI imaging sequences from SE, TSE to dedicated Steady State based sequences for High-Res. imaging of cartilage.
- WB-MRI can give important added diagnostic value to the surgeons for pathologies not clearly defined in traditional MRI a clear benefit for your patients.
- Like all Esaote MRI systems, also G-scan has a very low break-even figure thanks to its extremely low running costs.
- G-scan WB-MRI the added value also for your imaging center.

Esaote O-scan eXP

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

**Highlights**

- O-scan eXP is a third generation dedicated MRI designed for imaging extremities.
- O-scan Image quality in line with today's standards. Featuring the complete range of MRI imaging sequences from SE, TSE to dedicated Steady State based sequences for High-Res. imaging of cartilage.
- O-scan eXP technology makes for exam times of 20 minutes per patient.
- O-scan break-even figure is only 3 exams/day thanks to low investment cost (system + installation) and extremely low running costs.
- O-scan, compatible with today's needs requiring quality healthcare at affordable costs and economical in the future also with declining reimbursement rates.

Esaote S-scan eXP

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

**Highlights**

- S-scan eXP a third generation dedicated MRI for imaging of the spine and extremities.
- S-scan Image quality in line with today's standards. Featuring the complete range of MRI imaging sequences from SE, TSE to dedicated Steady State based sequences for High-Res. imaging of cartilage.
- S-scan eXP technology makes for exam times of 20 minutes per patient.
- S-scan break-even figure is only 5 exams/day thanks to low investment cost (system + installation) and extremely low running costs.
- S-scan, compatible with today's needs requiring quality healthcare at affordable costs and economical in the future also with declining reimbursement rate

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 imagequality 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
- Allows newly developed technologies available at an excellent cost of ownership
- High magnetic field homogeneity
- Environment friendly: extremely low power consumption and reduced installation requirements
- Reduced running costs allowing fast return of investment

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
- Sharing the same syngo software platform as all other MAGNETOM systems: high-field applications tailored to mid-field for all clinical fields
- True, multichannel, seamless imaging (up to 100 cm)
- No cryogen use and low power consumption to further reduce operating costs
- Outstanding image quality at mid-field

Wandong WDM: i_Open 0.5T Permanent MRI System

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



Highlights

- Two column, large span, super open design
- Six-way movement motorized patient table
- Automatic laser positioning system with two-LCD touch screen control panel
- Passive + digital shimming
- Patient gap 410mm
- Light weight of magnet 20t
- Four channels digital RF system
- Comprehensive sequences and functionalities: SE, GE, IR, FSE, FGE, MRA, STIR, FLAIR, MTC, MRCP, TOF, etc.
- High performance workstation with DICOM 3.0
- CE and FDA approved

Wandong i_Open 0.36T Permanent MRI System

Field strength	0.36 T
Gradient	26 mT/m
Slew rate	65 T/m/s



Highlights

- High field strength 0.36T, C-Shape permanent magnet
- Passive + digital shimming
- Patient gap 400 mm
- Two channel phase array receiving coils
- Comprehensive sequences and functionality: SE, GE, IR, FSE, FGE, MRA, STIR, FLAIR, MTC, MRCP, TOF, etc.
- High performance workstation with DICOM 3.0
- CE and FDA approved

Xingaoyi (XGY) Oper -0.5 T

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

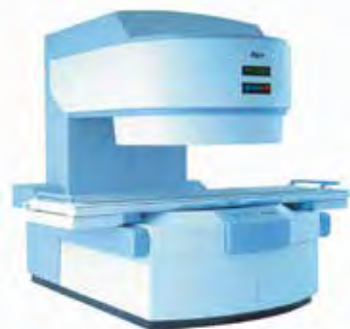


Highlights

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

Xingaoyi (XGY) Oper -0.4 T

Field strength	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 strength	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

Xingyaoi (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	3T
Gradient	45 mT/m
Slew rate	200 T/m/s

**Highlights**

- Simultaneous whole-body acquisition of MR and PET
- State-of-the-art 3T MRI and cutting-edge molecular imaging fully integrated
- Precise alignment of MR and PET in space and time
- MR-based motion freeze of PET images
- Shorter exams for more patient comfort
- Zero dose from MRI, reduced overall dose

SURGICAL MRI**Medtronic Polestar Surgical MRI System**

Magnetic Field	0.15 T
Slew rate	23.5 mT/m
Gradient	80 T/m/s

**Highlights**

- Designed for integration in most OR's using mobile RF shielding
- Compatible with most existing surgical equipment
- Perfect match to neurosurgical workflow
- Fits under OR table and moves up to patient for imaging
- Standard patient positioning, no patient movement needed during procedure
- Integrated StealthStation Image Guided Surgery System to maintain navigational accuracy throughout the surgery – auto-registration of images to patient
- Confirmation of completeness of resection and absence of complications prior to closing

MRT COILS**NORAS 4 Ch Flex Coils -Dental Array / Orbit Array**

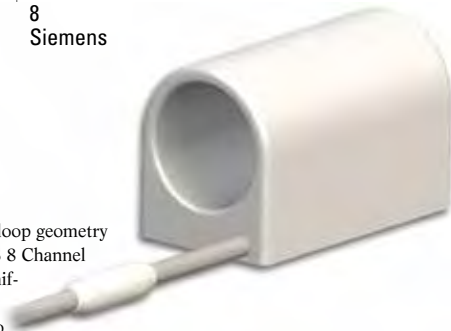
Field strength	1 T, 1.5 T and 3 T
Channels	4
System platform	Siemens and Philips (1 T Philips only)

Highlights

- NORAS follows the concept of optimized product design, which delivers significant higher SNR compared to standard coils. Both flex coils guarantee an optimum adaption to the anatomy of the particular examination area and feature high wearing comfort due to the low weight.
- The NORAS 4 Ch Dental Array has been designed for high-resolution MR imaging of dental structures, periodontal structures and neural structures in the dental area.
- The NORAS 4 Ch Orbit Array has been optimized for the MR imaging of the eye socket and orbita. Similar to diving glasses the flex coil is placed directly above the eyes.

**NORAS 8 Channel Elbow Array**

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

**Highlights**

- With the modified loop geometry of the new NORAS 8 Channel Elbow Array, a significantly improved signal-to-noise-ratio has been achieved whilst ensuring at the same time a homogeneous illumination of the examination area.
- Due to its very compact and closed design this volume array provides best imaging quality when it comes to diagnosis of the elbow. The high contrast in soft tissue visualization, what sets MRI apart from other examination methods, helps to show evidence of tumoral, inflammatory and traumatic diseases.

NORAS Biopsy Breast Coil w / Biopsy Unit

Field strength	1.5 and 3 T
Channels	4
System platform	Siemens

**Highlights**

- The 4 Ch Biopsy Breast Coil serves for diagnostics as well as for breast biopsies. A very open designed setup with the NORAS patient rest, guarantees optimal access to the breast for interventions.
- The Biopsy Set includes a complete positioning unit and two disposable grids for medial, lateral and cranio-caudal access. It is compatible with the coordination software from Siemens and modularly extendable based upon request. The re-usable quality plastics (PEEK) are suitable for all traditional sterilization processes.
- NORAS also offers biopsy units compatible to GE and Invivo breast coils.

NORAS Multipurpose Coils CPC and VARIETY

Field strength | 1.5 and 3 T
Channels | 8 and 16
System platform | Siemens



Highlights

- The specialty of the 8 Ch CPC is the high density of small elements for many body regions (coil diameter only 5 cm per channel). Therefore, a high signal gain is given and very high resolutions can be achieved.
- With Siemens software update VB19 the array becomes Tim compatible.
- The VARIETY is a 16 Ch array, which has been developed for high flexibility during examination of challenging anatomic regions.
- Each half of the coil is based on an 8 Ch array, that can be used separately as a surface array for coverage of larger body areas, or in conjunction with each other, clamping an anatomical area as a volume array.

NORAS Neurosurgery Solution FLEXIBILITY

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



Highlights

- The new version of the NORAS head holder, integrated in an 8 Ch iMRI head coil for imaging and intervention in the neurosurgical OR environment, provides more flexibility in patient positioning.
- Being height adjustable, the setup enables optimal positioning in 70 cm bore systems. Moreover the head holder is movable along the bore direction, which is very convenient when placing the patient on the transfer-board in the first place.
- A mechanically improved solution for the anchorage of the 5-point fixation on the head frame is implemented, which will block any movement at the wing point. Additionally, 3-point fixation is possible now also.

Hologic Sentinelle Breast MRI Coils

Channels | 8 or 16



Highlights

Hologic's Sentinelle next-generation MRI coils optimize imaging and access, patient care and comfort, and practice efficiency. Sentinelle 8 and 16 channel coils are compatible with Siemens, GE and Toshiba systems.

Highlights:

- Exquisite high resolution images independent of breast size
- Proprietary Variable Coil Geometry enables the coils to adjust for each breast on each patient
- Open access for positioning the breast to help ensure appropriate coverage of breast tissue
- Four quadrant access for biopsy, allowing for a minimally invasive path to the lesion
- Visco elastic modular padding for enhanced patient comfort



24 m² with 80 km/h

MOBILE MRI

-269 °C and 1,5 Tesla



LEADING INDEPENDENT SPECIALIST FOR MOBILE MEDICAL IMAGING

INTERIM SERVICE

Interim Service ensures continuity of your diagnostic imaging department during downtimes

ROUTE SERVICE

Routing Service of mobile MRI, CT, PET/CT, ESWL and SBB

MODULAR BUILDING

Providing custom build modular buildings for MRI, CT, PET, PET/CT

PRE-OWNED

Please ask us about our preowned equipment (e.g. MRI, CT, PET, PET/CT) or provide us your old system to purchase

www.alliancemedical.de

ACCESSORIES / COMPLEMENTARY SYSTEMS

AGITO MEDICAL Mobile Rental Solutions



Highlights

- AGITO Medical offers a wide selection of customized medical trailers and modular buildings, available for short- and long-term rental.
- GE Lightspeed VCT 64 Trailer
- GE Lightspeed 16 Pro Trailer
- GE Optima MR360 Advance 1.5T Trailer
- GE Excite HDxT 23.x 1.5T Trailer
- Siemens Magnetom Avanto 1.5T Relocatable
- GE Signa HD 1.5T Relocatable
- Siemens Magnetom Symphony 1.5T Relocatable
- Philips Gemini GXL16 Trailer
- GE Innova 2000S Trailer
- Additional systems available on request

AGITO MEDICAL GE MRI Service Provider



Highlights

- Full service contracts
- Cryo system including cold head changes, compressors, absorbers and flex line
- Preventive maintenance visits
- Gradient amplifiers
- RF amplifiers
- Coil Repair
- Application training
- System relocation and installation

AGITO MEDICAL Refurbished GE Signa Excite HDxT

Field strength 1.5T/3T
Gradient 33 mT/m
Slew rate 120 T/m/s



Highlights

- Refurbished medical equipment
- Service contracts
- Turn-key solutions
- Spare parts
- System installation
- Application training
- Site planning
- Deinstallation and project management
- We purchase your used equipment

AGITO MEDICAL Refurbished GE Signa HD

Gradient 33 mT/m
Field strength 1.5T/3T
Slew rate 120 T/m/s



Highlights

- Refurbished medical equipment
- Service contracts
- Turn-key solutions
- Spare parts
- System installation
- Application training
- Site planning
- Deinstallation and project management
- We purchase your used equipment

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



GCTechnology | CIRS Phantoms



Highlights

- Anthropomorphic 3D skull phantom (multi modality = CT, US, MRI)
- Prostate training phantom (multi modality)
- Pelvic phantom (multi modality)
- 3D abdominal phantom (multi modality)
- Lumbar training phantom (multi modality)
- Biopsy training breast phantom (multi modality)
- Gillian QA phantom (multi modality)

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 adults, children and neonates

SCHILLER | MAGLIFE Serenity



Highlights

- MRI compatible up to 3 Tesla
- Mains and battery driven (1.5 and 6 hours)
- 12.1" colour display
- Optical core and skin temperature
- Configuration for anaesthesia, cardiac and intensive care applications
- Patented artefact inhibition
- 6 optical gating outputs
- Optimized for adults, children and neonates

MAGLIFE Serenity



MR-compatible Monitoring

MAGLIFE Serenity guarantees highest ECG quality during MRI scanning even under strongest gradient influence. It is specifically developed to monitor all vital parameters during anaesthesia of adults, children and neonates in an MRI environment.



SCHILLER
The Art of Diagnostics

INJECTORS

Bracco Injengineering CT Exprès

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

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 Injengineering Empower MR

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)



Bracco Injengineering 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 10.0ml/sec in user-specified increments of 0,1ml/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



MEDRAD Avanta Advanced Fluid Management System

Capacity	150 ml Selectable pressure increasement
Pressure	300 / 1,200 psi/bar
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



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.
- MEDRAD's P3T Personalized Patient Protocol software automates personalized protocols for each patient, enabling a higher percentage of diagnostic quality images (vs. standard protocols) while maintaining efficient workflow



MEDRAD Intego PET Infusion System

Flow rate	1 ml/sec
------------------	----------

Highlights

- Imagine, smarter, safer, simpler PET.
- Automate Infusion, Standarize Protocols, Personalize Doses, Reduce Technologist Exposure MEDRAD is redefining PET with smarter, simpler and safer FDG or NaF administration. Using a simple touch screen, the power-driven Intego PET Infusion System infuses doses-on-demand from a multi-dose vial providing you with greater flexibility, enhanced workflow, added protection, and more accurate, repeatable, patient-specific dosing.



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

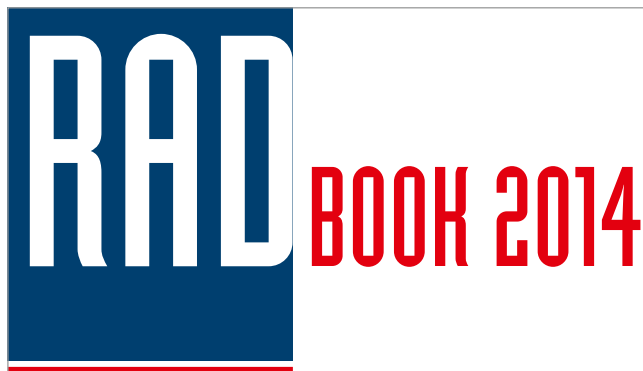
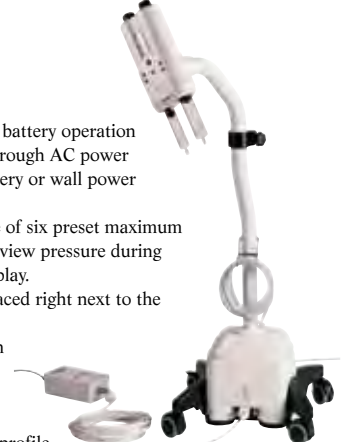
- The Mark 7 Arterion Injection System is the latest in MEDRAD's "Mark" series of angiographic injectors.
- The Mark 7 Arterion is lighter (compared to earlier systems), more maneuverable and easier to use so you can focus more on the patient
- It has a clear and intuitive user interface and a unique front-load system to simplify set-up and enable a cleaner tear-down
- The clear syringe facilitates purging air
- Multiple configurations for maximum configuration flexibility

**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 – switch to either battery or wall power in seconds
- Pressure Limit selection from one of six preset maximum pressure limits, and the ability to view pressure during injection on the control room display.
- 3.0 T compatibility even when placed right next to the magnet opening
- Multi-phase injection control with 6 user-programmable phases including PAUSE and HOLD
- Programmable and independent KVO separate from the injection profile



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MEDTRON 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)

Highlights

- Absolutely 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 – interface capability (as an option)
- Secured injection position (built-in sensor) – Aluminium housing
- Up to 6 phases - use of prefilled syringes (as an option)
- Alternatively, input of flow rate or phase duration
- Display of injection parameter or pressure graph at the remote control

**MEDTRON Accutron CT-D**

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

Highlights

- Absolutely 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) – up to 6 phases
- Secured injection position (built-in sensor)
- Alternatively, display of injection parameters or pressure graph
- Aluminium housing - wall or ceiling suspension system (as an option)
- CANopen Interface (as an option)

**MEDTRON Accutron HP**

Flow rate	Angio mode: 0.1 - 30 ml/s, programmable in 0,1 ml/s steps, CT mode: 0.1 - 10 ml/s, programmable in 0,1 ml/s steps
Capacity	200 ml
Max. injection pressure	Angio mode: 83 bar (1200 psi), programmable from 5 to 83 bar (73 to 1200 psi) in 1 bar steps, CT mode: 21 bar (305 psi), programmable from 5 to 21 bar (73 to 305 psi) in 1 bar steps
Syringe	Automatic filling via menu with volume input or manual filling with variable speed, filling speed 1-4 ml/s, optimized high-pressure tube systems with check valves

Highlights

- Two specialists in one device: fast high-pressure injections for angiography and multiphase injection profiles for computed tomography
- Absolutely wireless injector unit with rechargeable batteries
- Wireless touchscreen remote control (as an option)
- Up to 3 phases - wall or ceiling suspension system (as an option)
- Integrated heated syringe holder for Easy Loading Syringe (ESL) 200 ml
- 120 injection profiles can be defined and stored by the user (60 angio / 60 CT)
- Aluminium housing



MEDTRON Accutron HP-D

Flow rate	Angio mode: 0.1 - 30 ml/s, programmable in 0.1 ml/s increments, CT-mode: 0,1 - 10 ml/s, programmable in 0,1 ml/s steps
Capacity	200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	Angio mode: 83 bar (1200 psi), programmable from 5 to 83 bar (73 to 1200 psi) in 1 bar steps, CT mode: 21 bar (305 psi), programmable from 5 to 21 bar (73 to 305 psi) in 1 bar steps
Syringe	Automatic filling via menu with volume input or manual filling with variable speed, filling speed 1-4 ml/s, optimized high-pressure tube systems with check valves

Highlights

- Absolutely wireless injector unit with rechargeable batteries
- Multiphase program controlled injection of CM and NaCl
- Single or multi injection mode - Wireless touchscreen remote control
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Touchscreen control panel with different languages
- Up to 3 phases - pressure graph - secured injection position (built-in sensor)
- 60 injection protocols can be defined and stored by the user
- Interface (as an option) - Aluminium housing



MEDTRON Accutron MR

Flow rate	For both injection units: 0.1 - 10 ml/s, programmable in 0.1 ml/s steps
Capacity	65 ml or 200 ml (CM), 65 ml or 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	21 bar (304 psi)
Syringe	Automatic filling via menu with volume input or manual filling with variable speed, filling speed 1 - 5 ml/s, optimized tube systems with check valve

Highlights

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



Accutron CT-D

Accurate.
Reliable.
Wireless.

The diagnostics specialist

- ideal diagnostics in computed tomography
- economic and patient-friendly
- intuitively operable



ECR 2014 in Vienna
06. - 10.03.2014 - Expo E, Stand 553

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BOOK 2014

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info@medtron.com · www.medtron.com

Nemoto CT-Injector A 60 (Medicor)

Syringe	200 ml, 100 ml with adapter
Pressure	300 psi
Throughput	0.1 - 10 ml/s in 0.1-ml/s-steps

**Highlights**

- LCD-display
- Real time monitoring of the injection parameters
- Economical entrance model

Nemoto CT-Injector Dual Shot Alpha 7 (Medicor)

Syringe	Contrastmedia A: 200 ml, 100 ml with adapter /125 ml with prefilled syringe adapter; Saline B: 200 ml, 100 ml with adapter
Max. injection pressure	A: 300 psi, B: 300 psi
Throughput	A: 1 - 100 / 125 / 200 ml in 1-ml-steps; B: 1 - 100 / 200 ml in 1-ml-steps

Highlights

- Needle positioning test
- Programmable autofill function
- Program memory on CF memory card
- Advanced programming functions
- Timing bolus option
- Auto prime function
- automatic body weight protocol function
- 5x20 protocol memories

**Nemoto CT-Injector Dual Shot Alpha 7S (Medicor)**

Syringe	A: Contrastmedia A: 200 ml, 100 ml with adapter; B Saline: Saline 200 ml, 100 ml with adapter
Pressure	A: 300 psi; B: 300 psi
Throughput	A: 1 - 100 ml / 200 ml in 1-ml-steps; B: 1 - 100 ml / 200 ml in 1-ml-steps
Flow rate	0,1 - 10 ml/sec

**Highlights**

- Needle positioning test
- Timing bolus injection
- Simple user interface
- New design with only 2 components
- Multi-Language available
- 3 protocols memory / anatomical area
- Software upgrade via SD-card

Nemoto Rem Press (Medicor)

Capacity	1 - 150 ml
Flow rate	0,1 - 25 ml/sec
Max. injection pressure	50 - 1200 psi

Highlights

- Easy to see setup screen ensures injection setting
- Remaining volume in the syringe can be checked from the side of the powerhead display
- Syringe light illuminates the syringe tip and the gasket area, which helps to check for remaining air bubbles
- During injection the syringe light indicates the injection status by flashing
- Optional foot switch

**Nemoto Sonic Shot GX (Medicor)**

Syringe	60 ml; prefilled syringe with adapter
Flow rate	00,1 - 10 ml/sec
Max. injection pressure	200 psi

**Highlights**

- Intuitive touchscreen interface
- Easy to view color display
- Convenience of using pre filled syringes
- No magnetic or RF interferences
- Ceiling mounting option

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ulrich medical INJECT CT motion

Application Capacity CT
all commercially available media containers (CM 2 x 500 ml, NaCl 1 x 1,000 ml)

Max. injection pressure 17 bar (246.6 psi)

- Unique roll pump system for more cost-effectiveness
- Direct and multiple injections from all commercially available media containers
- 5 detectors to reliably prevent air injection and selectable range of pressure limits
- Two-piece tubing system with check valves and particle filter
- Display with user guidance on the injector
- Wireless-enabled administration with Bluetooth and battery
- Synchronization interface for scanner available
- Available as pedestal version or with 3D ceiling mount



ulrich medical mississippi

Application Capacity MRI (up to 3 T)
all commercially available media containers (CM max. 2 x 1,000 ml (for CT), CM max. 1 x 100 ml (for MRI), NaCl max. 1 x 2,000 ml)

Max. injection pressure 16 bar (232 psi)

Highlights

- Unique roll pump system for more cost-effectiveness
- Three media accesses for use of all commercially available media containers
- Large media supply for several injections consecutively from one media container
- Integrated pressure control system
- Sensors to prevent air injection
- Two-part hose system with check valves and particle filter
- Fast patient changeover
- Various software options available



ulrich medical missouri

Application Capacity CT
all commercially available media containers (CM max. 2 x 1,000 ml, NaCl max. 1 x 2,000 ml)

Max. injection pressure 16 bar (232 psi)

Highlights

- Unique roll pump system for more cost-effectiveness
- Three media accesses for use of all commercially available media containers
- Large media supply for several injections consecutively from one media container
- Sensors to prevent air injection and integrated pressure control system
- Two-part hose system with check valves and particle filter
- Fast patient changeover
- Synchronization interface for scanner available
- Various software options available



ulrich medical ohio M

Application Capacity MRI (up to 3 T)
all commercially available media containers (CM max. 2 x 1,000 ml (for CT), CM max. 2 x 100 ml (for MRI), NaCl max. 1 x 2,000 ml)

Max. injection pressure 16 bar (232 psi)

Highlights

- Unique roll pump system for more cost-effectiveness
- Three media accesses for use of all commercially available media containers
- Choice between two different contrast agents without change of media containers
- Integrated pressure control system
- Sensors to prevent air injection
- Two-part hose system with check valves and particle filter
- Fast patient changeover
- Various software options available



ulrich medical ohio tandem

Application Capacity CT
all commercially available media containers (CM max. 2 x 1,000 ml, NaCl max. 1 x 2,000 ml)

Max. injection pressure 16 bar (232 psi)

Highlights

- Unique roll pump system for more cost-effectiveness
- Three media accesses for use of all commercially available media containers
- Choice between two different contrast agents without change of media containers
- Sensors to prevent air injection and integrated pressure control system
- Two-part hose system with check valves and particle filter
- Fast patient changeover
- Synchronization interface for scanner available
- Various software options available



ulrich medical tennessee

Application Capacity MRI (up to 3 T)
all commercially available media containers (CM max. 2 x 1,000 ml (for CT), CM max. 2 x 100 ml (for MRI), NaCl max. 1 x 2,000 ml)

Max. injection pressure 16 bar (232 psi)

Highlights

- Unique roll pump system for more cost-effectiveness
- Mains-operated, battery-free handling for MRI up to 3 T
- Three media accesses for use of all commercially available media containers
- Large media supply for several injections consecutively from one media container
- Integrated pressure control system
- Sensors to prevent air injection
- Two-part hose system with check valves and particle filter
- Fast patient changeover



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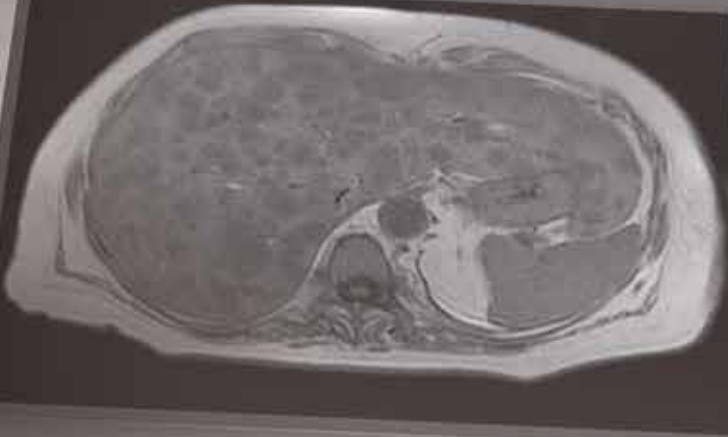
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LOCAL TIME 14:23



Add this session to your basket

Voting Tool

Current presentation

A-073
Chairman's introduction: importance of cancer hallmarks for radiologists

Next presentation

A-074
Cell proliferation and death

NH 4 - Imaging the hallmarks of cancer

Live Hashtag #ECR2014ET #NH4

Friday, March 7, 08:30 - 10:00 / Room E1

Session Type: New Horizon Session

Topic: Molecular Imaging, Oncologic Imaging

5 presentations in this session:

- A-073 - Chairman's introduction: importance of cancer hallmarks for radiologists
- A-074 - Cell proliferation and death
- A-075 - Angiogenesis
- A-076 - Dysregulated metabolism
- Panel discussion: Cancer hallmarks as therapeutic targets

A-073

Chairman's introduction: importance of cancer hallmarks for

08:30

A.R. Padhani, Northwood/UK

ESR

Modern cancer research and increasing therapy are mechanism based with the development of disease-modifying therapies that target the hallmarks of cancer. Modern imaging tools enable the visualization and quantitative assessment of the expression of molecular targets, of their interaction with potential ligands, as well as of the functional consequences of interactions at a molecular, cellular, metabolic, physiological, and morphological levels.

Chatbox

Chat & Social Media Stream



Wow, great session about to start here in Room E1 - better join quickly or watch on ECR Live #ECR2014EE #NH4

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INTERVENTIONAL SYSTEMS



RADBOOK 2014

BI-PLANE

GE Healthcare Innova IGS 620

Detector	Biplane cardiac system
DQE	79%
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

GE Healthcare Innova IGS 630

Detector	Biplane Angio system
DQE	77%
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

Shimadzu Trinias B12 / B8

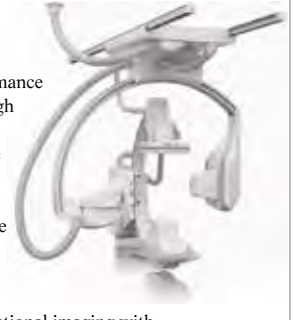
Resolution	2.58 Lp/mm
Detector	Dynamic flat panel detector (Csl)
Size	12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)

**Highlights**

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

Siemens Artis biplane

Power	100 kW
Detector	a-Si / Csl, 20 x 20 (1,024 x 1,024 pixels), 184 µm a-Si / Csl, 30 x 40 (1,920 x 2,480 pixels), 154 µm zen30HDR, hi-res crystalline silicon / Csl, (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
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo iPilot (3D-roadmapping)
- CARE+CLEAR, improving image quality and optimizing dose in every Artis system

Toshiba Infinix CF-i/BP

Power	100 kW
Detector	20 x 20 cm flat panel detector

**Highlights**

- Cardio intervention demands speed, precision, and optimum performance. The Infinix CF-i/BP is designed to take advantage of the latest technological innovations to reduce dose and to save time. A revolutionary graphic user interface and a multi-tasking computer enable the system to fully meet the requirement for optimum image quality, safety, ease of use, advanced efficiency and improved workflow. The unique multi-axis floormounted system enables unprecedented patient access and is supplied with the latest generation Flat Panel Detector to present high quality fluoroscopic and fluorographic images.

Toshiba Infinix DP-i

Power	100 kW
Detector	20 x 20 cm and 30 x 40 cm flat panel detector

**Highlights**

- A single room X-ray solution 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 Infinix DP-i; a cardiac dedicated floor-mounted C-arm for interventional cardiology and an advanced ceiling-suspended C-arm for angiographic and interventional application in one room.

SINGLE PLANE

Toshiba Infinix VF-i/BP

Power Detector | 100 kW
30 x 30 cm and 30 x 40 cm or 30 x 30 cm and 30 x 30 cm flat panel detector

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 and to save time. A revolutionary graphic user interface and a multi-tasking computer enable the system to fully meet the requirement for optimum image quality, safety, ease of use, advanced efficiency and improved workflow. The unique multi-axis floor mounted system enables unprecedented patient access and is supplied with the latest generation Flat Panel Detector to present high quality fluoroscopic and fluorographic images.



GE Healthcare Discovery IGS 740

DQE Size | 77 %
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
- Integrated large display monitor
- Functionalities integration at table side

GE Healthcare Discovery IGS 730

DQE Size | 77 %
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 table side

GE Healthcare Innova IGS 540

DQE Size | 77 %
41 x 41 cm



Highlights

- Large imaging Field of View
- High detector DQE and AutoEx
- Latest 3D-guiding solutions
- Integrated large display monitor
- Functionalities integration at table side

GE Healthcare Innova IGS 530

DQE Size | 77 %
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 table side

GE Healthcare Innova IGS 520

DQE Size | 79 %
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 CL 323i

DOE	77%
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

DOE	79%
Field of View	20 x 20 cm

**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

Power	100 kW
II format	9" and 13"
Resolution	6.5 Lp/mm; 6 Lp/mm

**Highlights**

The new solution for the market demand: higher features at a lower price! Excellent manoeuvrability 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)
- DICOM interface

Shimadzu BRANSIST alexa C12

Resolution	2.58 Lp/mm
Detector	Dynamic flat panel detector (Csl)
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
- SUREngine: realtime image enhancement processing

Shimadzu BRANSIST alexa F12

Resolution	2.58 Lp/mm
Detector	Dynamic flat panel detector (Csl)
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
- SUREngine: realtime image enhancement processing
- Unique pioneering imaging technology - RSM-DSA

Shimadzu Trinias C12 / C8

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

**Highlights**

- Wide coverage for smooth operability
- SCORE PRO image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE StentView
- SCORE CT
- SMART design concept
- Comprehensive dose management package

Shimadzu Trinias F12 / F8

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

- Multipurpose system with optimal FPD size
- 6 axis C-arm for radial/brachial approach
- SCORE PRO image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- Outstanding SCORE StentView software
- SCORE 3D
- Comprehensive dose management package



Siemens Artis ceiling

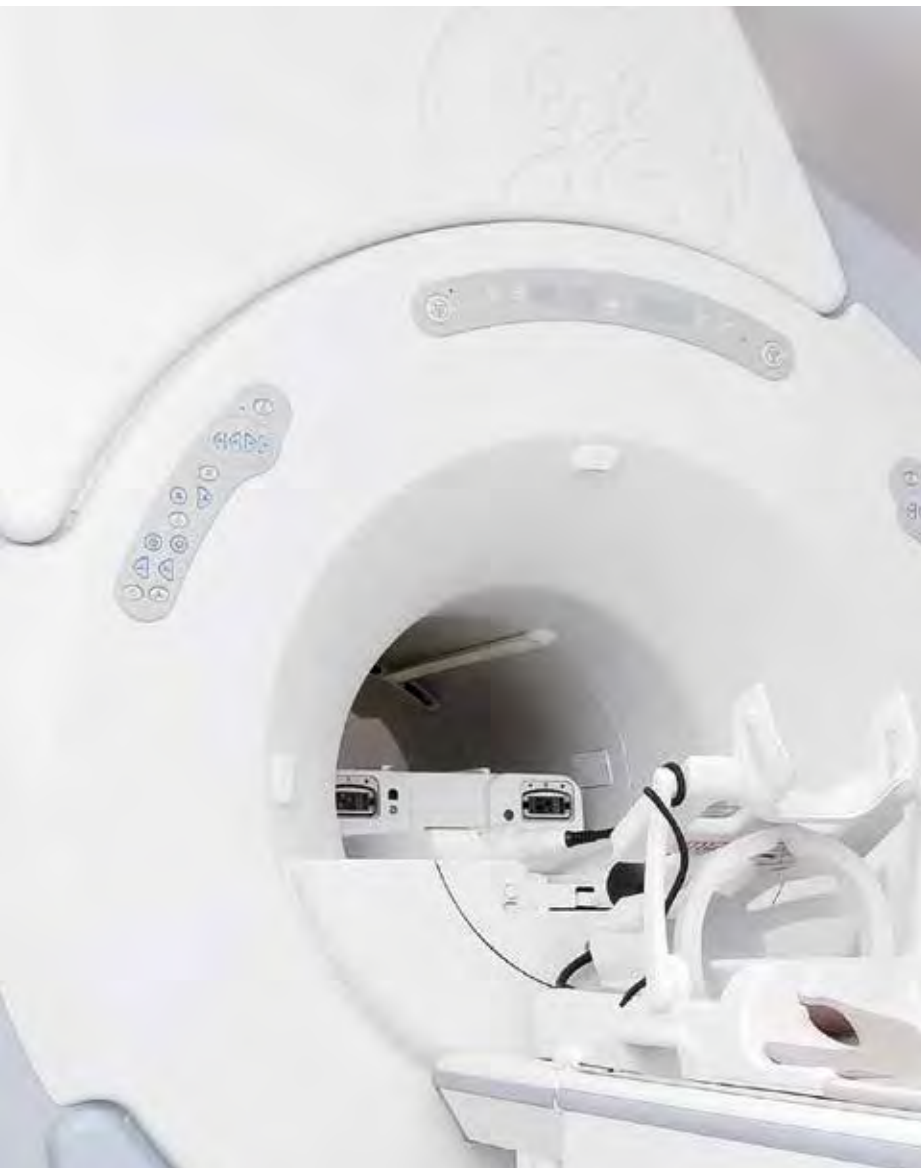
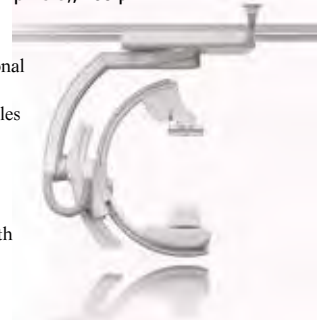
Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
 a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
 zen30HDR, hi-res crystalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights

Ceiling-mounted system for interventional imaging.

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 iPilot (3D-roadmapping)
- CARE+CLEAR, improving image quality and optimizing dose in every Artis system



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Siemens Artis floor

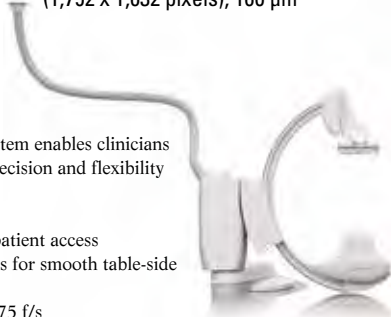
Power Detector	100 kW
	a-Si / Csl, 20 x 20 (1,024 x 1,024 pixels), 184 µm a-Si / Csl, 30 x 40 (1,920 x 2,480 pixels), 154 µm zen30HDR, hi-res crystalline silicon / Csl, (1,792 x 1,632 pixels), 160 µm

Highlights

Floor-mounted system for interventional imaging.

The Artis floor-mounted system enables clinicians to care with greater ease, precision and flexibility for small rooms.

- Small footprint of 29 sqm
- 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 iPilot (3D-roadmapping)
- CARE+CLEAR, improving image quality and optimizing dose in every Artis system

**Siemens Artis one**

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

Highlights

Floor-mounted system for uncompromised imaging. Artis one is an angiography system that leaves the beaten track. It marks a new approach to interventional imaging.

- 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 sqm
 - 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
- CARE+CLEAR, improving image quality and optimizing dose in every Artis system

Siemens Artis zee Multi Purpose System

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

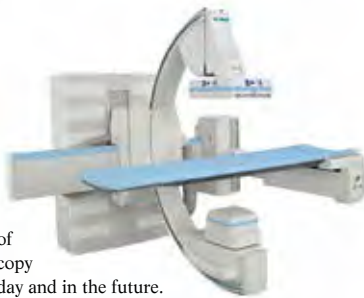
Highlights

Multi-purpose system for fluoroscopy and angiography.

The Artis zee multi-purpose system is specifically designed to meet the escalating demands of interventional radiology, fluoroscopy and interventional cardiology today and in the future.

The system left suspension meets the special 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
- CARE+CLEAR, improving image quality and optimizing dose in every Artis system

**Siemens Artis zeeo**

Power Detector	100 kW
	a-Si with Csl scintillator, 30 x 40 (1,920 x 2,480 pixels), 154 µm zen30HDR, high-resolution crystalline silicon with Csl scintillator, (1,792 x 1,632 pixels), 160 µm

Highlights

Multi-axis system for interventional imaging. The Artis zeeo is a visionary break-through in X-ray generation and detection that 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 iPilot (3D-roadmapping)
- CARE+CLEAR, improving image quality and optimizing dose in every Artis system

**Toshiba Infinix CC-i**

Power Detector	100 kW
	20 x 20 cm flat panel detector

**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 and to save time. A revolutionary graphic user interface and a multi-tasking computer enable the system to fully meet the requirement for optimum image quality, safety, ease of use, advanced efficiency and improved workflow. The advanced ceiling suspended system enables unprecedented patient access and is supplied with the latest generation Flat Panel Detector to present high quality fluoroscopic and fluorographic images.

Toshiba Infinix CF-i/SP


Power Detector	100 kW
	20 x 20 cm flat panel detector

**Highlights**

- Cardio intervention demands speed, precision, and optimum performance. The Infinix CF-i/SP is designed to take advantage of the latest technological innovations to reduce dose and to save time. A revolutionary graphic user interface and a multi-tasking computer enable the system to fully meet the requirement for optimum image quality, safety, ease of use, advanced efficiency and improved workflow. The unique multi-axis floor mounted system enables unprecedented patient access and is supplied with the latest generation Flat Panel Detector to present high quality fluoroscopic and fluorographic images.

Toshiba Infinix Hybrid

Power	100 kW
Detector	30 x 40, 30 x 30, 20 x 20 cm Csl Flatpanel Detector




Highlights

- The combination of the Infinix VC-i with the fully integrated dedicated surgical table Maquet Magnus perfectly meets the requirements of the rapidly growing demand for hybrid procedures. It offers 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 40cm.

Toshiba Infinix VC-i

Power	100 kW
Detector	30 x 30 cm or 30 x 40 cm flat panel detector




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 and to save time. A revolutionary graphic user interface and a multi-tasking computer enable the system to fully meet the requirement for optimum image quality, safety, ease of use, advanced efficiency and improved workflow. The advanced ceiling suspended system enables unprecedented patient access and is supplied with the latest generation Flat Panel Detector to present high quality fluoroscopic and fluorographic images.

Toshiba Infinix VF-i/SP

Power	100 kW
Detector	30 x 30 cm or 30 x 40 cm flat panel detector




Highlights

- Vascular intervention demands speed, precision, and optimum performance. The Infinix VF-i/SP is designed to take advantage of the latest technological innovations to reduce dose and to save time. A revolutionary graphic user interface and a multi-tasking computer enable the system to fully meet the requirement for optimum image quality, safety, ease of use, advanced efficiency and improved workflow. The unique multi-axis floor mounted system enables unprecedented patient access and is supplied with the latest generation Flat Panel Detector to present high quality fluoroscopic and fluorographic images.

Wandong CGO-2100 FPD - Angiographic & Cardiac System

Power	100 kW
Detector	40 x 30 FPD
Pixel size	194 µm




Highlights

- High frequency 100 kW / 200 kHz generator
- 0.3 / 1.0 mm, 2.0 MHU X-ray tube assembly
- Floor mounted C-arm, large range of movement along three axes, affiliated with longitudinal movement of cath-table enables more clinic applications
- Cath-Table: four way movement of tabletop, electric up / down movement
- 40 x 30 cm Csl FPD, 2,048 x 1,536 high resolution with 30 fps image acquisition rate
- 14-bit grey scale, InvaRay digital imaging platform, DSA
- Comprehensive image processing workstation capable of handling various complicated procedures
- DICOM 3.0 fully support

SURGICAL II-C-ARMS

GE Healthcare OEC 9900 Elite

Power	15 kW
II format	11 cm, 15 cm, 23 cm and 31 cm
Resolution	1,024 x 1,024 px




Highlights

- DRM (Dynamic Range Management)
- Intuitive touchscreen interface
- Comfortable viewing with flat screen monitors
- Easy archiving: CD/DVD and DICOM
- Fully motorized imaging system

GE Healthcare OEC Brivo Plus

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



Highlights

The clinically versatile OEC Brivo 865 Plus promises features to help add to your mobile surgical imaging capabilities:

- 1k x 1k 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	1,024 x 1,280 pixel
Field of View	11 cm, 15 cm and 23 cm

**Highlights**

- Compact C-arm with optional monitor cart capability
- Imaging excellence for confidence in surgery
- Touch screen interface for simplicity and ease of use
- Compact design for rooms or facilities with limited space
- Sleek, high-quality flat panel display
- CD/DVD recording device with PC-based operation
- USB port for plug-and-play image storage
- High-quality, clinically versatile system for maximum return on investment
- Available as a Compact configuration with 1 or 2 monitors or with optional monitor cart (Compact2, Compact+ and Series)

GMM MCA prime

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

**Highlights**

- Innovative C-arm mobile unit for the best operating reliability in fluoroscopy and radiography procedures.
- Provided with High Frequency generator and ample C-arm with wide dimensions and movements.
- 9" or 12" triple field Image Intensifier, 1K CCD camera.
- Exclusive user interface with LCD touch screen display ensuring complete management of the operating parameters and visualization of messages for the operator.
- DICOM functionalities and comprehensive series of both standard and optional accessories.

INTERMEDICAL RADIUS DFG

II format	9" and 12"
Power	5 kW
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 1k x 1k
 - 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 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 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

Primax International CYBERBLOC

Power	Up to 15 kW
II format	9" and 12"
Design	Light aluminum alloy chassis for easy positioning

**Highlights**

- Compact and solid design in aluminium alloy
- Extended rotation
- Touch screen interface
- High energy pulsed fluoroscopy up to 100 mA
- Image system 625 lines or 1024x1024
- DSA available for vascular applications
- DICOM 3

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Shimadzu Opescope Acteno

Resolution	CCD-Sensor, 1024 x 1024 x 12 bit
II format	23 or 15 cm
Power	2 kW



Highlights

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

Siemens ARCADIS Avantic

Power	25 kW
II format	33 cm



Highlights

Cutting-edge mobile imaging with a larger field of view

- Large 15" (33 cm) 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* and remote user interface* for control of all relevant C-arm functions from within the sterile field

* Option

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 intra-operative 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 Orbic

Power	2.3 kW
II format	23 cm
Resolution	1.8 Lp/mm



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 25 mA
- EASY (Enhanced Acquisition System) with automatic dose, contrast and brightness control

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
- Ergonomic and space-saving trolley
- EMotion*, onboard sound system
- 1K² navigation interface NaviLink 2D*

* Option

Siemens SIREMOBIL Compact L

Power	1.4 kW
II format	23 cm



Highlights

The compact allrounder 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 trolley
- Consistent digital 1K² imaging chain

STEPHANIX OMNISCOP Series

Power up to 15 kW
II format up to 12"
Resolution up to 1 k x 1 k

Highlights

Multipurpose solution for covering a wide range of procedures

- such as surgery, traumatology, orthopedics, vascular and cardiac
- Large choice of high frequency generator to respond to your needs
- Small footprint for a convenient positioning
- High resolution CCD camera
- Post-processing software highlight tiny details
- Comprehensive and intuitive user interface.
- Touch screen console
- Advanced functions: APR, DICOM connectivity

**Medicor Swemac Biplanar 600s**

Power 0.9 kW
II format 23 cm
Resolution 1000 x 1000 Pixels

Highlights

- The Biplanar performs simultaneous fluoroscopy in two planes with seamless integration into your workflow.
- Ideal for operating hips, knees, shoulders and spine
- Without any need for repositioning, you are able to see both vertical and horizontal views
- Reduces operating time
- Significant dose savings for patients as well as hospital staff

**Technix TCA6**

Design 9" surgical C-arm equipped with 0.5k x 0.5k camera
Power 3.5 kW (TCA6 S) / 5 kW (TCA6 R)
II format 23 cm

Highlights

- Stationary anode (TCA6 S) / Rotating anode (TCA6 R)
- 0.5k x 0.5k camera
- Image storage: LIH + 350 / 2700 / 110000
- Compact version without cart and 19" LCD monitor on-board / Lightweight cart with 19" LCD monitors
- Up to 25 fps acquisition
- Optional $\pm 30^\circ$ motorized rotation for lithotripsy interventions
- Anatomical programs
- Laser for patient centering
- DICOM connectivity (LAN or wireless)
- DSA, roadmap, stenosis analysis

**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

**Villa Sistemi Medicali Arcovis 3000 S / R**

Power 3.5 kW (fixed anode) / 5 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
- Perfect balance between image quality, ease of positioning and ergonomics
- 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
- Large 19" LCD monitors

**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
- $\pm 60^\circ$ rotating control panel for immediate operation even in the most difficult environment



Wandong WDM XC30

Power	5kW
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. Digital high frequency generator, Ergonomics designed, compact structure, Microcomputer-control, easy to operate, maintain and move. Sensitive touch button, digital display, error auto-diagnostic function, digital interface, facilitate to equip with digital image collection & storage workstation.



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 / 20 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. It also comes with a unique liquid cooling system (Advanced Active Cooling) and is specially designed for extended use in operating theaters.

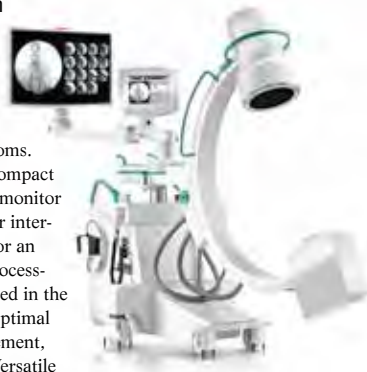


SURGICAL FLAT PANEL C-ARMS

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. Versatile viewing options such as the separate Ziehm Viewing Station enable the physician to configure the unit according to individual requirements. A variety of options let Ziehm Solo be configured to the needs of the application it will be used for.



Hologic Fluoriscan InSight-FD Mini C-arm System

Highlights
The Fluoriscan InSight-FD mini C-arm system with flat detector technology offers thin profile and improved workspace access while providing ease of positioning.

Highlights:

- Ergonomic flat detector design with ease of positioning for patient/surgeon access
- Greatest range of motion
- Forward tube source design offers greater C-arm depth
- Flat detector technology with 75 micron array and 2k x 1.5k resolution
- Image processing algorithms deliver superb image quality
- Automatic imaging with "Dose Optimization" for all extremities
- Touch-screen interface with easy-to-understand controls; swivel & tilt capable
- Peripherals and Options




INTERMEDICAL RADIUS XP (MODEL WITH FLAT PANEL)

Pixel size	1536 x 1536 pixels
Detector	Digital Flat Panel Detector 30 x 30 cm
Power	20 kW

Highlights

- Large Power reserve of 20 kW
- Excellent 1536 x 1536 pixels image quality
- Outstanding versatility: flexible 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





Medtronic O-arm System

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

Highlights

- Fast 13 s 3D scan – Fully mobile – Flexible intra-operative 2D- and 3D-imaging
- Large 2D-image size and large 3D scan volume
- Seamless integration in OR workflow
- Easy in use: All motions motorized, simple control panel
- Position memory remembers scan positions
- 4 preset 3D scan modes: Standard, High Definition, Low Dose & Enhanced Cranial
- Easy draping of the breakable gantry
- Seamless integrating with StealthStation Navigation
- Full DICOM3, USB, CD / DVD interfacing





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Siemens Cios Alpha

Power	12 kW or optional 25 kW
Detector	20 cm x 20 cm or optional 30 cm x 30 cm
Pixel size	194 µm

Highlights

See the power with Full View FD

- Full View FD: Outstanding image quality and up to 25 % more coverage**, even during image rotation
- Retina Imaging Chain with IDEAL (Intelligent Dose Efficiency Algorithm) dose reduction: High-quality images at very low dose
- One of the most powerful 25 kW* mobile C-arms, to see and do more
- Full table-side control and single-touch positioning* for effortless operability
- Fully integrated vascular support, featuring unique live graphical overlay*

* Option ** Compared to today's conventional image intensifiers.

Cios Alpha 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.



Ziehm Vision RFD Hybrid Edition

Resolution	1,536 x 1,536
Detector	a-Si; 30 cm x 30 cm / 20 cm 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 4 axes. The movements can be accurately steered with the Position Control Center directly from the sterile field, enhancing precision and saving valuable time during surgery. 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 and despite the generator's high power reserves, the design is compact and enables easy positioning of the device at the OR table.



Ziehm Vision RFD

Resolution	1,536 x 1,536
Detector	a-Si; 30 cm x 30 cm / 20 cm 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 (Advanced Active Cooling) it is specially designed for extended use in operating theaters, making Ziehm Vision RFD ideal for demanding interventions such as AAA procedures. It is also a perfect fit for vascular procedures, interventional radiology, and hybrid room applications.



Ziehm Vision FD Vario 3D

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

Highlights

- A masterpiece of engineering, the 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 CT like reconstructions can be combined with navigation systems. The C-arm's 3D data enables surgeons to perform image guided surgery with great accuracy. Ziehm Vision FD Vario 3D is ideal for orthopedics, spine surgery and neurosurgical procedures.



Ziehm Vision FD

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

Highlights

- Ziehm Vision FD was the first mobile C-arm worldwide to offer flat-panel detector technology. The latest generation delivers fully digital, distortion-free images with over 16,000 shades of gray. High dynamic range imaging plus low radiation levels clearly set Ziehm Imaging's C-arms apart from competitor systems. Ziehm Vision FD has a large C-arm opening for easy patient positioning as well as a monitor cart with an intuitive touchscreen and two 19" flatscreen monitors. The monoblock generator's unique liquid cooling system (Advanced Active Cooling) is specially designed for extended use in operating theaters. Ziehm Vision FD is recommended for applications like spine surgery, neurosurgery and vascular procedures.



ACCESSORIES / COMPLEMENTARY SYSTEMS

I.A.E. SpA C30-RTM 70



Highlights

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

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 1064 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.
- Kits contain an introducer, a 21G needle and a flat-tip optical fibre. The main applications currently involve the reduction of benign thyroid nodules and the destruction of primary and secondary malignant liver lesions.
- Further applications are being researched to assess their effectiveness, safety, and long-range clinical results: metastatic lymph nodes in the neck, breast, pancreas and prostate tumors.

GCTechnology CIRS Phantoms



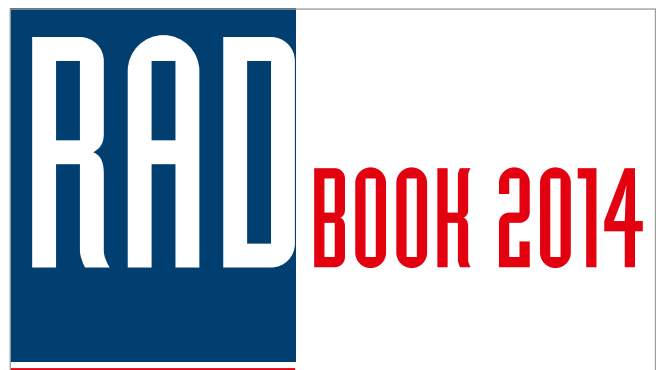
Highlights

- 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

PTW NOMEX System – True Precision. PTW.

Highlights

- CE marked, class IIb certified DOSIMETRY SYSTEM, fully compliant with IEC 61674
- Comprises NOMEX DOSEMETER and MULTIMETER (simultaneously captures all dose values, PPV, kVmean/max, TF, HVL, frequency, pulses and waveforms)
- Shadow-free ion chambers or semi-conductor detectors can be connected for no interferences with the AEC acc. to IEC 60601-2-43
- Software menu in Chinese/English/French/German/Italian/Japanese/Portuguese/Russian/Spanish
- Stored data and waveform export as XLS file via USB or BT
- Accessories: CE marked, class I certified PHANTOMS available: NORMI RAD/FLU, NORMI DSA, NORMI 3D



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Find out how
radiology can improve
communication with
referring physicians
Scan the code or go to
the report at
sectra.com/report/rad



HOW TO INCREASE EFFICIENCY IN RADIOLOGY? AT SECTRA, WE START BY LISTENING.

Radiology lies at the very center of the healthcare chain. Most patients pass through an imaging department at one point or another in their treatment. That said, an organization's overall effectiveness is highly dependent upon the ability of radiology to provide excellent service to referring physicians. But how is that best done?

We asked 78 referring physicians and 78 radiologists to give their views on the process of ordering studies and communicating results. The goal was to understand how communication between radiologists and




referring physicians can be improved and, as a result, increase the overall efficiency of the healthcare chain.

At Sectra we believe it's only by listening and gaining a real understanding of the challenges that you are facing that we can develop solutions that truly make a difference. Download our report about how radiology can improve communication with referring physicians at sectra.com/report/rad

SECTRA

Knowledge and passion

IT SYSTEMS



How radiology can improve communication with referring physicians

Radiology lies at the very center of the healthcare chain. Most patients pass through an imaging department at one point or another in their treatment. That said, an organization's overall effectiveness is highly dependent upon the ability of radiology to provide excellent service to referring physicians. But how is that best done?

In June 2013, Sectra asked 78 referring physicians and 78 radiologists to give their views on the process of ordering studies and communicating results. The goal was to understand how communication between radiologists and referring physicians can be improved and, as a result, increase the overall efficiency of the healthcare chain.

The survey shows that increased communication is clearly seen as important by both radiologists and referring physicians. It also indicates that there are several ways of increasing efficiency by improving both how studies are ordered and how results are communicated. The views of referring physicians and radiologists differ somewhat. Referring

physicians often see both ordering of studies and communication of reports as a bigger challenge than radiologists. The responses from radiologists and referring physicians in the 2013 report can be summarized in the following needs:

- Implement decision support to increase the quality of the requests
- Increase transparency with regard to waiting times
- Make reports clearer by including images
- Improve the communication of critical results
- Implement a portal for easier scheduling
- Make radiation dose information visible in both the requests and the report

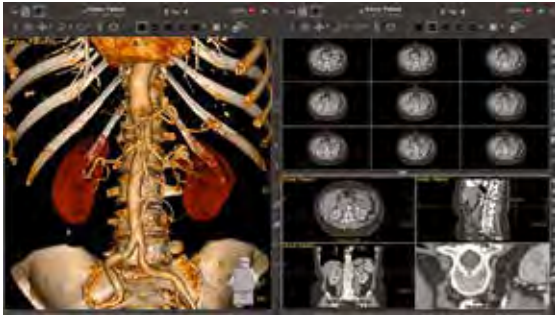
Head to sectra.com/report/rad to gain access to the complete report and an insight of how you can improve communication with you referring physicians.



SECTRA
Knowledge and passion

RIS / PACS

Agfa HealthCare IMPAX

**Highlights**

IMPAX is a next generation PACS, designed to streamline your enterprise workflow and deliver increased efficiency and productivity to your hospital or care facility. It is a single workflow-based system that can serve your needs within, and outside, the walls of your facility. By proving an electronic workflow system, streamlining study reviews, offering a persona-based design, and enabling improved reporting and results distribution, IMPAX adapts to your specific needs.

Canon PACS)

**Highlights**

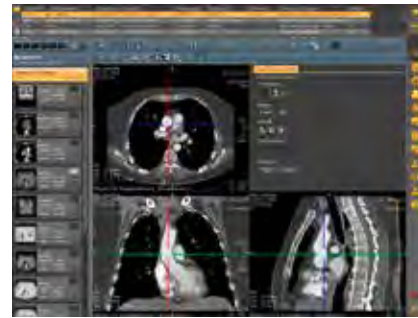
- Canon's Picture Archiving and Communication System (PACS) offers a fully scalable and reliable solution, which is applicable to all medical imaging and reading environments.
- Canon's innovative Healthcare IT solution software (RIS, PACS, XDS) increases efficiency for clerical and clinical workflows. The software solutions are fully compliant to industry standards and the Integrating Healthcare Enterprise (IHE) profiles.

Canon RIS

**Highlights**

- Canon's web-based Radiology Information System (RIS) focuses on the workflow of the radiology department. With this solution in place, you can enhance patient care by controlling and automating your workflow, step by step.
- Canon's innovative Healthcare IT solution software (RIS, PACS, XDS) increases efficiency for clerical and clinical workflows. The software solutions are fully compliant to industry standards and the Integrating Healthcare Enterprise (IHE) profiles.

CHILI PACS

**Highlights**

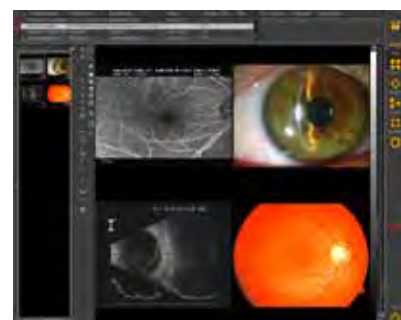
- Multimedia PACS
- One viewer for all areas
- Scalable (practice to enterprise)
- For multi center enterprises
- Fail over and load balancing
- Interfaces to HIS/RIS
- Synchronisation with HIS/RIS
- Archiving in existing systems
- Web based image distribution
- Referring physician access
- Teleconferencing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

CHILI Teleradiology Gateway

**Highlights**

- Vendor-independent protocols
- DICOM, DICOM-E-Mail, https, ...
- Automatic protocol conversion
- Rule-based autorouting
- Fault tolerant
- Data buffering
- Automatic recovery after interruption
- Comprehensive security measures
- Data encryption
- Adjustable lossy and lossless compression
- Secured logfiles
- Audit trails
- Diagnostic web-viewer
- Web-based administration
- Compliant to German Röntgenverordnung
- Compliant to German DIN 6868-159
- Works with any PACS

CHILI Web

**Highlights**

- Multi-media (DICOM, jpeg, avi, PDF, ...)
- Modality independent
- Very well suited for teleradiology
- Referring physician access
- Independent of hardware and OS
- Java technology
- User concept with roles and rights
- Central user administration (LDAP, AD, ...)
- Security by encryption
- Data compression (lossless and lossy)
- Suited for reporting
- Medical product class IIB
- Works with any PACS

FUJIFILM SYNAPSE

SYNAPSE

Highlights

- Foundation Technologies
- Synapse is a collection of software modules providing PACS features to single or group of hospitals
- Fujifilm's Next Generation PACS.
- Synapse Workstation Software is the multi-modality diagnostic viewing solution. Synapse Workstation Software provides viewing and manipulation of radiological data including images, reports, patient status and clinical information. It also provides for integrations to clinical applications including dictation systems, RIS and 3D processing applications. It is a multipurpose, enterprise wide application used for Radiologist interpretation, in-house clinical review and physician access

FUJIFILM SYNAPSE CARDIOVASCULAR

SYNAPSE
cardiovascular**Highlights**

- Developed with direction from cardiologists, Synapse Cardiovascular offers capabilities and tools that help streamline workflow, image review, and reporting for a variety of cardiac areas like cardiac catheterization, ECG management, echocardiography, nuclear cardiology and vascular ultrasound

FUJIFILM SYNAPSE Teaching File

SYNAPSE
mobility**Highlights**

- Virtual archive for scientific and clinical purposes
- This web application for managing large amounts of information, allowing the searching, consultation and sharing of diagnostic studies, searched by free text within the study data stored on the Synapse PACS system. Registered users are able to see key-images and the respective reports and create their teaching archive associating each selected study with keywords and short notes, share with other teaching colleagues. Synapse also provides teaching mechanism used for comparison and differential diagnosis, further raising the level of accuracy.

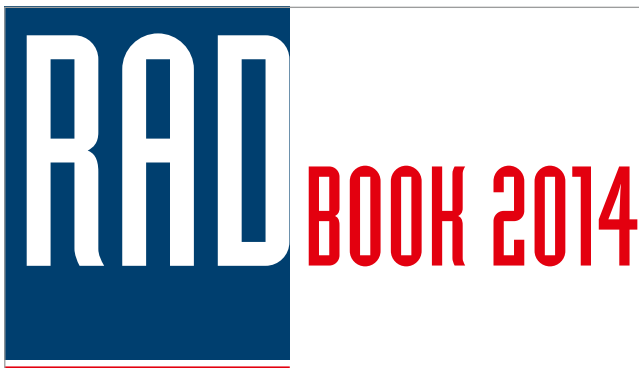
GE Healthcare Centricity Clinical Archive

**Highlights**

- Unifies patient images and documents across the care continuum to help clinicians make informed decisions with greater efficiency.

Centricity Clinical Archive provides critical tools for healthcare systems:

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



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GE Healthcare Centricity PACS/Centricity PACS IW

**Highlights**

- Centricity PACS and Centricity PACS-IW with Universal Viewer introduce an intuitive imaging application that connects advanced visualization, provides extensive breast imaging tools, image-enables EMR systems, and unlocks patient history from silos to better inform and streamline diagnosis.
- 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**

- Help ensure high-performance collaborative care with the Centricity RIS-i 5.0 enhanced workflow manager and eRadCockpit reporting tool. Now with the eRadCockpit reporting tool, RIS-i helps you to maximize efficiency by optimizing your workflow, connecting experts, balancing workloads and leveraging your existing infrastructure.
- Embedded XDS consumer
- MDT module connecting clinicians outside of radiology with Radiologists running the MDTs
- eRadCockpit
- e-Order review
- '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 5000 facilities ranging from small, individual, imaging centers to large multi-modality, multi-site hospital installations across 97 countries. It is full-featured, state-of-the-art, robust and reliable, and available in most major world languages. The system is highly customizable with technical support provided in local languages by manufacturer-trained engineers, with a guaranteed 99.9% uptime.

RAD

BOOK 2014

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ISOFT RadCentre Fusion**Highlights**

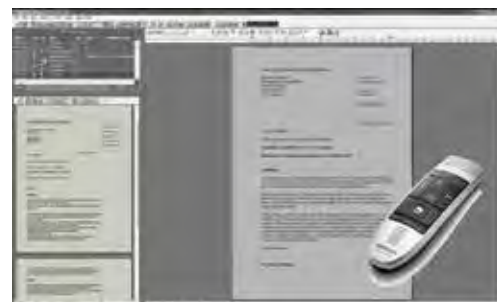
- RadCentre Fusion is a complete solution for continuous mapping of processes in radiology, mammography, nuclear medicine and radiotherapy. Choosing the most appropriate technology, architecture and software component, the solution is designed to transfer patients quickly and seamlessly from diagnosis to therapy.

Core Features:

- 3D functionality and segmentation
- Pre-operative endo-prothetics with mediCAD module
- Multimedia interface / import and export functionality


ITZ Medicom Hyper.PACS with archiving-system Hyper.ARC**Highlights**

- ITZ-Parallel-Archiving-Concept
- No archiving of errors like with backup-principle
- One database for PACS and archiving-system
- Fast shortterm - and fireproof longterm - archive
- Compliance to RÖV and MDD

medavis RIS**Highlights**

- medavis RIS revolutionises radiology workflows. It offers process optimisation, fast operation and comprehensive features in institutions of all sizes: concise scheduling, hassle-free service entry, fast report creation, automated billing. In addition, extensive data analyses are facilitated with a statistics module. This makes medavis RIS a high-performance system for planning and process optimisation in radiology. medavis RIS fully integrates into the existing IT infrastructure, thus providing great flexibility while administrative processes remain simple.


medigation RIS / PACS



Highlights

- Our RIS/PACS solutions are designed for multi-site and manufacturer-independent networks. The WinRadiolog RIS product portfolio implies the whole patient management for your medical practice and hospital respectively. Along with the patient registration and the order entry, WinRadiolog RIS offers with the scheduler the booking of the individual modalities. Further performance features: report acquisition, materials management and billing. Our PACS product portfolio comprises a proven DICOM archive, an intuitive operating review- and reporting software with integrated 3D function as well as display options on normal paper or on patient CD. With webConnect we also offer a manufacturer-independent and surprisingly simply solution to multi-site networking.

PROTEC CONAXX 2




Highlights

- CONAXX 2: User-friendly and intuitively operable software for the acquisition of X-ray images and operation of DR-modalities and X-ray generators.
- Image diagnose directly in CONAXX 2 possible (optional / single workstation solution)
- Compatible with any DICOM PACS
- Extraordinary workflow efficiency saves time and money

Key features:

- Automatic image optimisation
- Three clicks only to get your X-ray image

PROTEC PROPAXX




Highlights

- State-of-the-art software for viewing, processing and archiving offering multifunctional and flexible support in the diagnosis of X-ray images.

Key features:

- 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
- Communication interfaces enable PROPAXX to direct data and image exchange with image acquisition systems and modality consoles (e.g. CONAXX 2)

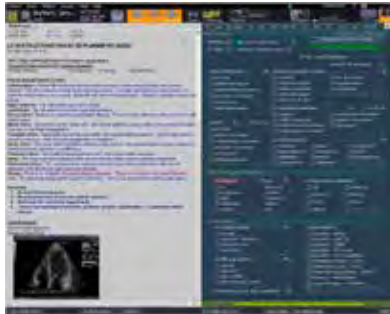
Sectra RIS / PACS



Highlights

- Sectra RIS/PACS is designed to shorten report turnaround times, enhance request and result distribution workflows, and improve communication and dialog between radiology and referring units. Highlights in the most recent version of Sectra RIS/PACS include: a complete PACS reporting module with voice recognition and server-based volume visualization with time-saving diagnostic tools for vessel analysis and bone segmentation.

Siemens syngo Dynamics




Highlights

With *syngo Dynamics* you can rapidly read multi-modality images and create reports for your cardiovascular patients. Studies from across your enterprise can be accessed quickly, and are available at your fingertips. Customizable templates enable you to tailor evidence-based structured reporting to efficiently meet your needs and workflow.

And in conjunction with *syngo.via*¹, you have fast access to advanced visualization functionality. All of this creates a solid basis for your decision making. In addition, you can conveniently access the system from wherever you are, using a wide variety of Internet-enabled devices.¹

¹ Refer to Website for Disclaimers

Siemens syngo.plaza



Highlights

syngo.plaza is the agile PACS and reading software, where 2D, 3D, and 4D reading comes together in one place. Drawing on Siemens' expertise, this agile PACS is designed to meet a broad range of clinical challenges. High-throughput reading helps to enhance your workflow, and the intuitive user interface can be personalized in line with your requirements. The easy-to-manage IT environment helps to save time, resources and effort. And because *syngo.plaza* integrates seamlessly with *syngo.via*¹, users can tap into the ultimate potential of *syngo*.

¹ Refer to Website for Disclaimers

◀ ADVANCED VISUALIZATION ▶

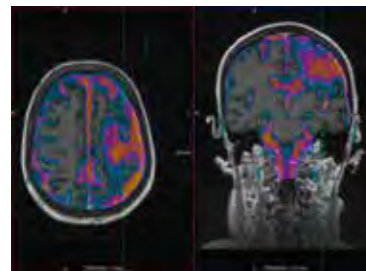
VISUS JiveX PACS



Highlights

- JiveX allows realizing holistic solutions without neglecting the special requirements of single specialty departments. The concept consists in supplying all important applications with a universal platform based on modern web technology at each workstation. This platform carries out the whole logistics from image acquisition to image and finding distribution with digital finding as well as radiogram finding and image archiving.

Agfa HealthCare IMPAX Clinical Applications



Highlights

Agfa HealthCare delivers and supports a wide range of own and third party applications to fulfill the professional needs of its customers.

- IMPAX Volume Viewing
- IMPAX PET & SPECT Viewing
- IMPAX Virtual Colonoscopy
- IMPAX Orthopaedic Tools
- Advanced features for smart workflows
- Tight integration with IMPAX for fast creation and distribution of results
- Familiar interface and a high level of automation

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

FUJIFILM SYNAPSE 3D

Highlights

- The Synapse 3D Clinical Application Suite includes a comprehensive Base Toolset and the option to enhance your capabilities with an Advanced Radiology Toolset. Fujifilm innovations such as the award-winning automatic vessel segmentation and analysis algorithm, one-click measurement tools, and exceptional masking segmentations using Fujifilm Image Intelligence help make Synapse 3D a vital part of your daily workflow

IMAGE Information Systems iQ-VIEW PRO 4D

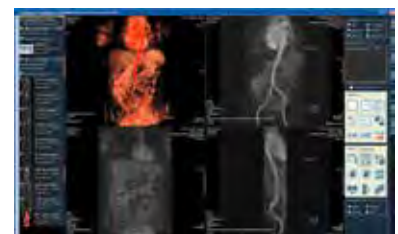


Highlights

- iQ-VIEW PRO 4D is an advanced multimodality and multiphase radiology reading solution for the post-processing of 2D, 3D and 4D medical images. It offers special applications for volume rendering, virtual endoscopy, bronchoscopy, vessel analysis and oncology RECIST follow up. There are tools for MPR, curved MPR, MIP and MinIP, Volume rendering and multiphase Imaging with contrast uptake for breast MRI etc. iQ-VIEW PRO 4D replaces your advanced post-processing workstation, for any manufacturer and all modalities with its highly specialized modules.

medigration ImageVision

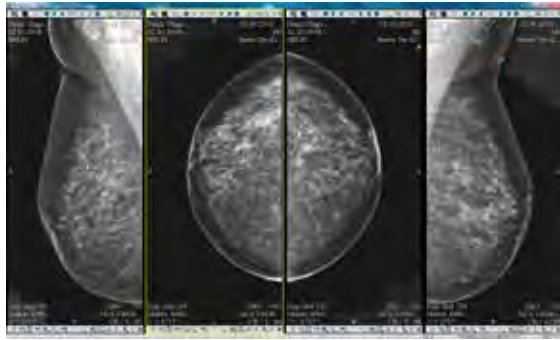
- Mammo MR screening
- Calcium scoring
- CFA
- Coronaries / heart
- Lung
- EP planning
- Funktional imaging
- Stroke
- Vessel measurement
- Virtual colonoscopy



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

ITZ Medicom HyperPACS - Reporting and Advanced Visualization

**Highlights**

- Universal solution for all purposes
- Free selection of postprocessing software for Radio and Cardio
- 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

TeraRecon iNteract+

**Highlights**

- iNteract+ is TeraRecon's new 'ingeniously informed' image viewer. iNteract+ is an information enablement tool that is an overlay of the powerful image viewers that TeraRecon has offered over the past 12 months. iNteract+ offers the ability to combine clinical information along with the imaging information and display it in a singular viewer. iNteract+ combines standards-based Health Information Exchange protocols and leading imaging interoperability technologies to deliver a more efficient clinical experience.

TeraRecon iNtuition

**Highlights**

- iNtuition is TeraRecon's flagship offering for advanced visualization and decision support and provides a suite of advanced imaging tools for volumetric interpretation of CT, MR and PET data via client-server and web-based cloud technologies. Its customizable Workflow Templates crates structured workflow with intelligent automation at each step which can be shared and distributed for fast diagnostics within the enterprise, or across the globe.

TeraRecon iNtuition CLOUD

**Highlights**

- iNtuition CLOUD provides the company's award-winning flagship iNtuition solution for advanced visualization as an Internet-based service. Facilities can securely upload scans to the iNtuition CLOUD site, then log in via a browser from any Mac or PC to access the full suite of truly thin-client iNtuition tools.

Mint Medical mint Lesion

**Highlights**

mint Lesion - Comprehensible treatment assessment

mint Lesion supports radiologists and oncologists in assessing the effectiveness of a cancer therapy. An optimized workflow streamlines radiological readings, e.g. by fast classification and tracing of lesions throughout all follow-up studies.

- Invocation from RIS, PACS, EMR, EDC, preserving the current working context
- Organ-independent image analysis for various imaging modalities (CT, MRI, PET, DICOM CR, DX, DICOM NM)
- Simultaneous assessment of tumor entities at arbitrary points of time
- Image correlation and lesion matching in follow-up assessments
- RECIST, WHO, irRC, Choi, Cheson, mRECIST for HCC, and customizable modifications
- Treatment assessment with automatic response classification

Mint Medical mint Liver

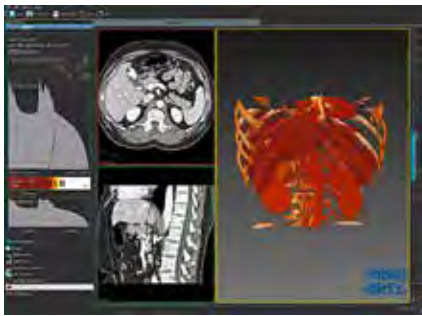
**Highlights**

mint Liver - Liver Resection

Planning

mint Liver offers valuable and efficient methods and workflows to support diagnosis and therapy planning of liver diseases.

- Smooth integration into clinical workflow by optimal integration in existing software platforms
- Fully automatic liver analysis for high quality visualization and volumetric analysis
- Easy definition of resection strategies enables an update of the resection plan even during surgery
- Customizable reports

Mint Medical MITK 3M3**Highlights**

MITK 3M3 - Image Analysis

MITK 3M3 is a free and user-friendly application which ensures effective and efficient work, analysis, and visualization of radiological image data.

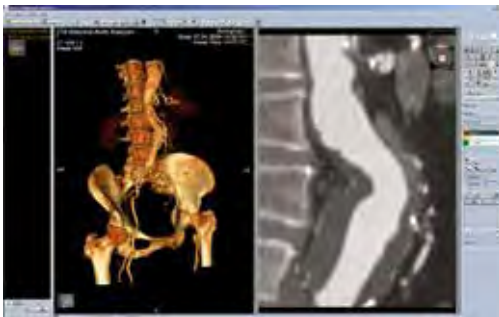
- DICOM support, including disc import and local database
- Visualization of 2D, 3D and 3D+t images
- Advanced GPU volume visualization, vessel analysis
- Data fusion / registration, overlay (image fusion) of different image data
- Chronological comparison of images
- Available for Windows, Linux, and Mac OS

Siemens *syngo.via***Highlights**

The *syngo.via*¹ 3D routine and advanced reading solution helps to accelerate workflows across all modalities.

- It helps to accelerate radiological workflows and saves valuable time. You can access and read cases quickly and easily with features such as automated pre-processing and pre-fetching of prior examinations.
- Modular licensing enables you to expand *syngo.via* with the needs of your medical facility.
- It guides you through the entire workflow. *syngo.via* supports to identify human anatomy for reliable and reproducible diagnostic results. And, it enables you to deliver the relevant findings in one single report.

¹ Refer to Website for Disclaimers

VISUS JiveX Vessel Analysis**Highlights**

- This software is designed for fast and convenient vessel segmentation, analysis and diagnosis. It is integrated with the JiveX Diagnostic workstation. The software allows all extra cardiac vessels to be defined and segmented selectively. For the analysis of cardiac problems, JiveX Cardio Analysis is in preparation. This tool can view and measure pathologies, e. g. stenosis or aneurysms, in curved MPR images. Measurement results are available automatically for integrated report creation.

Vital Images Europe Vitrea Enterprise Suite**Highlights**

- Vitrea Enterprise Suite includes products for health imaging and informatics.
- Vitrea, Vital's multi-modality advanced visualization solution, can fit into any environment. Its advanced applications provide rich clinical tools for viewing in 2D, 3D and 4D for efficient and effective patient care.
- VitreaView, Vital's universal viewer addresses the needs of physicians who want unrestricted access to DICOM and non-DICOM patient imaging. It provides secure integrated access through technologies such as EMR, EHR or HIE. VitreaView enables access to images from disparate enterprise databases to provide a single, integrated universal viewer.

Vital Images Europe VitreaAdvanced**Highlights**

- VitreaAdvanced, Vital's advanced visualization solution, provides powerful 2D, 3D and 4D images for applications addressing cardiovascular, neurovascular and oncology disease states. Fueled by intelligent automation, it utilizes an intuitive clinical workflow to improve speed and simplicity of use.
- VitreaAdvanced can be customized with Vital's clinical applications, and offers seamless integration and interoperability with PACS and EMR systems. Its scalable and versatile deployment options allow for customization within the enterprise.

 VitreaAdvanced.

Vital Images Europe VitreaView**Highlights**

- VitreaView is a universal viewer that directly addresses the needs of physicians who want uniform access through a simple intuitive user interface for all of patient imaging. It offers secure integrated access to both DICOM and non-DICOM imaging through technologies such as EMR, EHR and HIE. VitreaView also enables access to images from disparate databases, providing one integrated universal viewer. Institutions deploying VitreaView provide standardization and access for medical professionals who desire to optimize their time and focus on patient care

◀ PORTAL SOLUTION ▶

Vital Images Europe VitreaWorkstation

**Highlights**

- VitreaWorkstation is an intuitive, multi-modality advanced visualization solution. It provides rich clinical tools for viewing human anatomy in 2D, 3D and 4D for efficient and effective patient care. It increases scanner productivity by extending workflow beyond the console and optimizing time and resources to produce clinical results.

Agfa HealthCare ICIS

**Highlights**

ICIS is an enterprise and regional health imaging solution. ICIS enables caregivers to create, collaborate, exchange, and manage a comprehensive medical imaging record through the complete disease lifecycle. ICIS extends departmental workflows into the enterprise and regional health, enabling referring physician, clinician and healthcare providers access to the complete patient record through the EHR with both textual and image information in sync and context.

Canon Cross-Enterprise Document Sharing (XDS)

**Highlights**

- Canon's Cross-Enterprise Document Sharing (XDS) infrastructure reduces the duplication of unnecessary examinations, enabling patient treatment to start sooner.
- Canon's innovative Healthcare IT solution software (RIS, PACS, XDS) increases efficiency for clerical and clinical workflows. The software solutions are fully compliant to industry standards and the Integrating Healthcare Enterprise (IHE) profiles.

CHILI Telemedicine Record

**Highlights**

The Telemedicine Record is a web-based platform for the exchange of multimedia documents (e.g. diagnoses, lab results, DICOM-compliant images). It can be tailored to the specific requirements of the respective institution (data model, forms, workflow).

- Capture, display and administration of patient data
- Upload and download of DICOM images

- Forwarding to referring doctors and consultants
- User administration with individual user rights

Suited for

- Inter-sector exchange of multimedia patient data
- Multicentre studies with DICOM images

FUJIFILM SYNAPSE VNA

Highlights

- Multi-vendor environments are common place and Synapse VNA provides the platform to interface and integrate the data generated by these systems, and provide actionable intelligence. Synapse VNA will enhance image management, streamline workflow, reduce costs and, most importantly, improve patient care. It can be implemented within any environment and offers data access and availability. The archive allows sharing and consolidation of the storage and provides secure access across all authorized users. Synapse VNA provides a unified viewing experience for the VNA DICOM and non-DICOM data.

medavis portal4med

**Highlights**

- portal4med stands for unlimited flow of medical information across institutions, locations and countries. In teleradiology workflows, portal4med provides access to the medical expertise which is best suited for each case. Anywhere and by the simplest technical means. Independent from opening hours and medical locations. portal4med is an open communication platform: Its interfaces are designed to allow any modules to integrate into any IT environment - flexible and scalable, supporting HL7, DICOM and IHE. Whatever technology is deployed already can be retained.

medigration PraxisPortal



Highlights

- To connect your referring practices
- Efficient and encrypted transferral of image data
- Secure, user-defined access control
- Fast display of images and findings as PDF or SR
- No elaborate VPN necessary
- 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
- Images and results can be called up within seconds due to intelligent data compression
- Total security by means of 128 bit AES encryption
- No VPN connection necessary



The diagnosis is in the details.

Addressing the radiology department's need for high-quality, high-productivity image capture systems, we offer a rich portfolio of DR solutions empowered by MUSICA image processing software, from mobile to affordable and fully automated, high-performance DR rooms.

Insight. *Delivered.*


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Siemens syngo.share


Highlights

- syngo.share¹ is the smart VNA from Siemens. With its modular and scalable architecture, syngo.share can be deployed as departmental, enterprise-wide or regional solution.
- Universal data management and universal web viewer (DICOM, native non-DICOM and multimedia)
- Dynamic data management for efficient usage of storage
- Multi-site data exchange (IHE XDS / XDS-I) and data management
- Supporting tumor boards, research, case collection, thin-slices handling, etc.



¹ syngo.share is a medical device of ITH icoserve technology for healthcare GmbH, Innsbruck, Austria. syngo.share currently is not available in all countries.

Hectec mediCAD Classic



Highlights

mediCAD Classic is developed in collaboration with doctors for doctors. For you and your patients, this means:

- First and most common planning program on market worldwide
- Ready to use in 22 languages
- Time savings up to 85 % compared to conventional planning processes
- Largest implant data base with more than 105 international implant manufacturers already integrated
- Made in Germany


Hectec mediCAD mobile



Highlights

mediCAD mobile gives you direct access to planning regardless time and location. According to American market researchers, more than 100 million tablet computers will be used for medical applications in 2015. Users of these devices save tremendous amounts of time. X-ray images, analyses, PACS images, planning files, and a wide variety of documents can be used directly at the point of care.

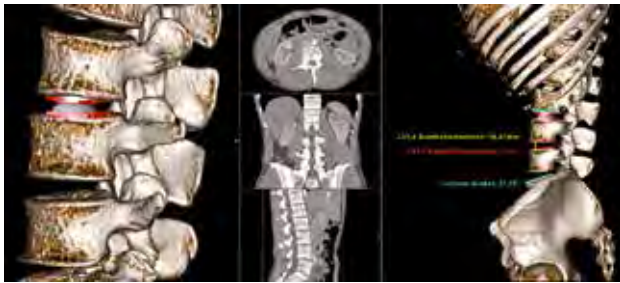
Hectec mediCAD QueryClient



Highlights

mediQR and Query Client PACS connectivity for 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.

Hectec mediCAD spine 3D

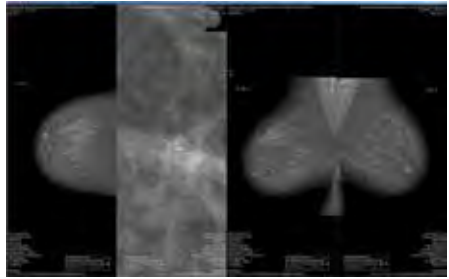


Highlights

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. Of course, you can always manually reduce automatic results to the desired values and edit suggestions made by the software.

medigation 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

MAMMO WORKSTATION

FUJIFILM AXON Mammo

**Highlights**

- Dedicated Mammography Review Workstation
- Specialized keypad, designed exclusively for AXON Mammo
- 3rd colour touchscreen monitor
- Automatic Breast Line detection and quadrant viewing
- Automatic Image Alignment and fit to screen
- User specific, easily customizable viewing protocols
- Image enhancement with multiple WL/LUT presets and LUT customization display of CAD results
- Support for an extensive range of DICOM Classes
- Local Archival of images with automatic Query Retrieve and forwarding of images to PACS printing to both Film and Paper Printers with a range of layout options
- RIS and PACS integration

Hologic SecurView Diagnostic Workstations

**Highlights**

The SecurView workstation is a powerful diagnostic workstation for the digital mammography suite.

- Flexible, intuitive image review capabilities that are tailor made to the radiologist's specifications
- It makes it possible to work interactively and intelligently through information-sharing and offer fast access to patient images
- Multimodality options allow all DICOM breast images from other imaging modalities such as ultrasound and MRI to be reviewed side by side, improving workflow and efficiency
- Integrated computer aided detection (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. iQ-VIEW PRO MAMMO TOMO combines state-of-the-art features, such as vendor-independent hanging protocol sequences, automatic nipple height alignment, and support of high-resolution displays of up to 2 x 15 megapixels. It can easily be integrated into virtually any HIS, RIS, EMR or screening system.

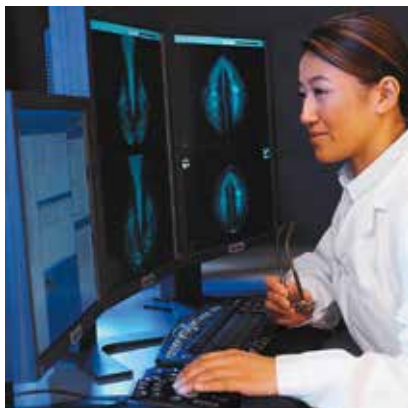
medigation MammoView

- Default display protocol
- Hi-res displays or mixed setups
- Digital dictation integration
- Dedicated keypad
- Web client

**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 greyscales)

Sectra Breast Imaging PACS

**Highlights**

- Sectra Breast Imaging PACS features true multi-modality capabilities and now supports display and review of breast tomosynthesis images. Regardless of modality or vendor, all breast images are automatically aligned and displayed side-by-side in the same size and dimension. CAD is an integrated part of the reading workstation, and the ergonomic key pad offers fast and easy access to the most commonly used tools.

Siemens syngo.Breast Care¹**Highlights**

- Client-server application for state-of-the-art mammography and unique tomosynthesis¹ reading
- Customization of workflows according to personal preferences
- Flexible hardware configuration – from a stand-alone workstation to a multiple user server
- Mammography and multi-modality 3D/4D reading – in a single workplace
- Link-it automatically displays areas of interest in any corresponding view e.g. CC to MLO and/or 2D to 3D tomo views



¹ syngo.Breast Care and Tomosynthesis are not yet commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Please contact your local Siemens organization for further information.

MOBILE RIS/PACS VIEWER

VISUS JiveX Diagnostic Mammo

- Default display protocol
- Hi-res displays or mixed setups
- Digital dictation integration
- Dedicated keypad
- Web client



Highlights

- The independent reporting software JiveX Diagnostic Mammo was developed specifically for curative mammography and mammography screening. The highly specialized hanging and reading protocols meet the most challenging requirements for smooth work processes. As an option, the system disposes of the JiveX Mammo Report Manager which is a fully integrated module for reporting.

Agfa HealthCare ICIS View



Highlights

- Offers fast, on-demand image and report access, regardless of location or origin
- Provides secure, private content access
- Delivers seamless EMR integration, irrespective of application
- Leverages existing technology investment
- Expands traditional reach of hospital clinical services

CHILI Mobile



Highlights

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

FUJIFILM SYNAPSE Mobility



Highlights

- Synapse Mobility, Fujifilm's versatile solution for on-the-go access to all your patient reports and images from your iPad, iPhone or Android smart phone.
- Synapse Mobility delivers many of the powerful, flexible advanced visualization tools you're used to working with at a traditional Synapse workstation:
- 2D toolkit includes window/level, pan, zoom, magnifying glass, cine, free-hand and text annotation, image flip and rotate as well as linear, angle and ROI measurements
- 3D toolkit offers a scalpel and bone removal tool, clipping planes, window/level, pan, zoom and annotation

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.

ITZ Medicom Hyper.PACS Mobile Solutions



Highlights

- Hyper.PACS supports all mobile devices and tablet-PC
- Save by encryption and anonymized transmission
- Receive your images wherever you are with high image quality
- Different functionalities from viewing up to diagnosis
- Sending and administration from any location

medigration PraxisPortal App

**Highlights**

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

Sectra LiteView

**Highlights**

- Sectra LiteView, allows for mobile access to images and reports on iPads as well as on common web viewers, further enhancing communication with referring physicians. It also helps reduce lead times, and supports decision-making and patient interaction.

Experience is
everything.

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practical knowledge, ski
resulted in understanding
of events participated

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ACCESSORIES / COMPLEMENTARY SYSTEMS

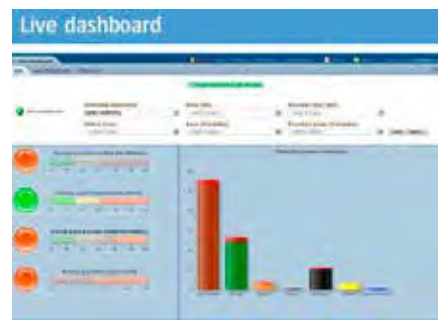
VISUS JiveX Mobile



Highlights

- JiveX Mobile gives the clinical staff more flexibility and facilitates communication in every-day clinical. Both tablet PCs and smartphones are excellently suited as a mobile desk if - and only if - the required data are quickly available, consistent throughout the hospital network and comply with the strict data privacy rules in healthcare.

Agfa HealthCare IMPAX Business Intelligence



Highlights

- Management decisions driven by insight
- Optimizes work processes and quality of care
- Improves and accelerates decision-making
- Identifies trends and cost-saving opportunities
- Creates market understanding that enables comparative benchmarking
- Delivers operational confidence and better patient satisfaction
- Improves competitiveness by aligning resources with strategies

Agfa HealthCare IMPAX REM - Radiation Exposure Monitoring



Highlights

- Facilitates dose reduction in patients
- Track data across modality and vendors
- Informs decisions at the point of care
- Provides dose guidelines to enable quick response to changing regulations
- Facilitates best practice implementation to avoid unnecessary ionizing radiation exposure
- Supports development of future care by mapping and reporting exposure pattern results

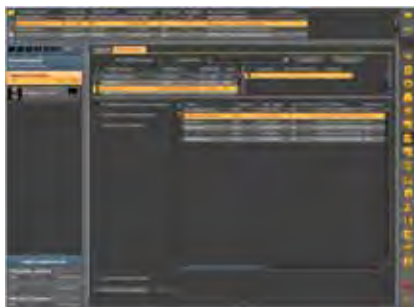
CHILI Import Robot



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

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

Esaote SUITESTENSA CVIS PACS



Highlights

By encompassing all cardiology specialties into a all-in software platform, Esaote's Cardiovascular Information System and PACS represents the most comprehensive approach to Cardiology, Cath-Lab, Echo, ECG, EP, Cardio Surgery, Structural and Interventional Cardio. Thanks to tailored-to-needs products (CVIS PACS and CAAS XA/X-Ray Angiography, IVUS OCT/Intravascular, MR Quantitative Analysis, 3mensio CT/Structural Heart & Endovascular) Esaote delivers the best workflow management from patient admission to exam execution, reporting, post-processing, distribution and implementing the newest Structured Report, 3D/4D and mobile PACS technologies.

Esaote SUITESTENSA Mobile PACS**Highlights**

- The newest frontiers of mobile PACS connection anytime, anywhere
- Works on modern web browsers, IOS & Android mobile devices, Laptop and desktop computers
- Supported Operating Systems: Windows, Mac OS
- Unparalleled security: no downloads mean no risk of data loss (it works with existing image and reporting archives)
- Manage simultaneously the same image from different access points
- Predefined workspaces and display of data as previously assigned to the image modality
- Interactive 2D, 3D & MIP/MPR diagnostic (slab variation up to 50 mm), 3D Volume Rendering
- Digital slow motion (XA, US/Echo)

Esaote SUITESTENSA RIS PACS**Highlights**

SUITESTENSA is the RIS PACS imaging & information management software platform bridging RIS PACS and applications in an innovative way. Using web-enabled technology, SUITESTENSA exploits DICOM 3.0, HL7 and FDA-XML standard communication protocols, supporting systems' interoperability and avoiding data duplication. SUITESTENSA implements the newest Structured Report, 3D & 4D for CT/MR/PET and mobile PACS technologies. It is dedicated to Radiology, Nuclear Medicine, Radiotherapy, Breast Medicine, Interventional Radio, Orthopedics, Operating Room, with administrative, reporting and post-processing tools specifically dedicated to their needs.

FUJIFILM SYNAPSE ERm
Highlights

- Communication tool for acute stroke and emergency cases
- Fujifilm offers an expanding portfolio to enable the display of medical images. SYNAPSE ERm is a mobile application for emergency treatment. It supports smooth communication for emergency cases like acute stroke by linking the clinical images and data on mobile devices.
- Specialists outside of a hospital are able to support emergency diagnosis and treatment. The system has an 'Emergency Call' function which notifies the specialist about urgent cases on their registered mobile devices and offers a 'Timeline Display' which is used to capture communications and findings in secure tweets.

IMAGE Information Systems iQ-CONFORMITY**Highlights**

- iQ-CONFORMITY is a ground breaking new software solution that converts DICOM data from all modalities and vendors into one vendor neutral format, thus unifying anatomic regions, body parts, view codes, view positions, contrast agents, and more. As a result, adjusting multiple hanging protocols for multiple vendors is no longer necessary. In addition, issues of managing both CT/MRI with enhanced CT/MRI in a single network are things of the past. All in all, iQ-CONFORMITY can save radiologists 30 minutes per day in a multi-vendor, multimodality reading environment.

ISOFT RadCentre Mammography**Highlights**

- RadCentre Mammography is a workplace profile for the structured and graphic generation of reports of complementary and double reading in mammography diagnostics. With its ergonomic interface, RadCentre Mammography sets new standards in operating comfort and security.

ISOFT RadCentre Speech Integration**Highlights**

- Information transfer quality and speed are of great importance in the field of diagnostic imaging. The fast and efficient creation of reports makes it possible to continue treatment without delay. iSOFT's RadCentre Speech Integration offers the ideal supplementary workflow with digital dictation and speech recognition software. Seamlessly integrated into iSOFT's RadCentre it provides you with the latest state-of-the-art speech recognition for healthcare applications: Nuance SpeechMagic.

medavis cockpit4med**Highlights**

- With cockpit4med you always have an eye on your management data – anytime and anywhere. Due to its accessibility via any web browser - even on tablets or mobile phones - you are always in control of your radiological workflow. cockpit4med extracts data from different sources and presents user-friendly and meaningful information. Any data – from modality occupancy rates, number of patients waiting to open report orders – is displayed in real time and in graphically optimised diagrams, tables etc. This facilitates the quick analysis of important factors, accelerates the deduction of measures and shortens your reaction times.

NDSsi Video Informatics Platform Solutions**Highlights**

- Informatics platforms for real-time image management, distribution, control from multiple sources & incorporation of Internet connectivity for streaming video & image routing throughout the hospital & beyond. Full Duplex Audio is included in streaming.

ConductOR

- All-in-one customizable informatics platform enabling video format conversion, image scaling, routing, switching & IP streaming

ScaleOR

- Medical-grade video converter with modular design supporting both analog & digital video in HD or SD formats

ZeroWire

- Advanced medical-grade wireless video solution that reliably delivers full HD surgical video in real time

**Sectra Enterprise Image Management Solutions****Highlights**

- Sectra's offering within enterprise image management provides secure and cost-efficient storage as well as a single point of access to and efficient means for sharing all patient data without compromising patient integrity. The offering includes a vendor neutral archiving solution, Sectra Open Archive, enabling storage of medical images, film and sound clips from virtually any source, providing a complete medical record.

Sectra Business Analytics Suite**Highlights**

- Sectra's business analytics offering comprises Sectra DataWarehouse and Sectra BizTrack analytics applications. These help streamline the radiology workflow by providing tools for monitoring the production and performance of PACS and RIS, including analyses of Key Performance Indicators.

Sectra Cross-enterprise Workflow Solutions**Highlights**

- Sectra's cross-enterprise workflow solutions features products and services facilitating cooperation between hospitals on a point-to-point, regional or even national scale. The solutions enable efficient sharing and collaboration of both workload and competencies, thus facilitating more efficient use of resources, reducing lead times and improving diagnostic quality. The solutions address the different levels of co-operation healthcare organizations may desire ranging from sharing of medical information to tightly integrated workflows.



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MAMMOGRAPHY

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VILLA
SISTEMI MEDICALI

Advances in breast tomosynthesis

By: Andrew Smith, PhD, Vice President, Imaging Science, Hologic, Inc., Bedford, MA, USA

HOLOGIC®



Breast tomosynthesis is a 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 1mm thick, which can be displayed individually or in a dynamic ciné mode. Tomosynthesis has been available in Europe and other countries recognising the CE Mark since 2008. In February 2011, the Hologic Selenia® Dimensions® breast tomosynthesis system was the first commercial system of its kind approved by the United States Food and Drug Administration (FDA). The system is approved for use in the same clinical indications as 2D mammography, including breast cancer screening, diagnosis and intervention.

A tomosynthesis data set greatly reduces detection challenges associated with overlapping structures in the breast, which is the primary drawback of conventional 2D analogue and digital

mammography. In clinical use, breast tomosynthesis offers significant benefits, including increased cancer detection*, decreased recall rates*, help in localising structures in the breast* and improved lesion and margin visibility*.

Clinical performance of breast tomosynthesis

The performance of tomosynthesis has been evaluated in a number of venues, including large screening trials in Europe and in the US by monitoring performance before and after the introduction of tomosynthesis into routine clinical practice. The results are

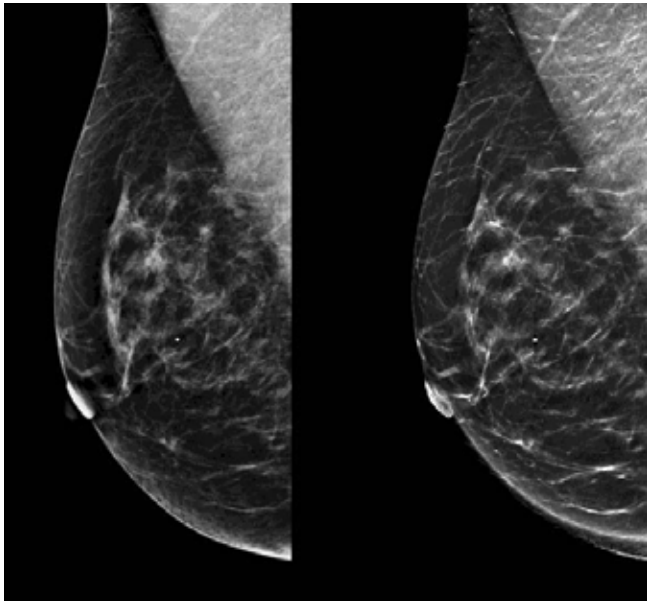
consistent across the studies; breast tomosynthesis used in combination with 2D mammography increases invasive cancer detection rates* and results in a significant reduction in false positive recalls*.

Advanced applications in breast tomosynthesis

The growing adoption of tomosynthesis in clinical use creates an opportunity for technological evolutions that may be useful in streamlining workflow, reducing dose and improving diagnostic accuracy. Two of the recent advances in tomosynthesis applications are discussed in the following sections.

Reducing patient dose in tomosynthesis

One area in which extensive research and development efforts have been focused is the creation of a 2D image generated from a tomosynthesis data set. This method provides a 2D image for use during tomosynthesis review, but does not require an X-ray exposure to generate the 2D image as it is



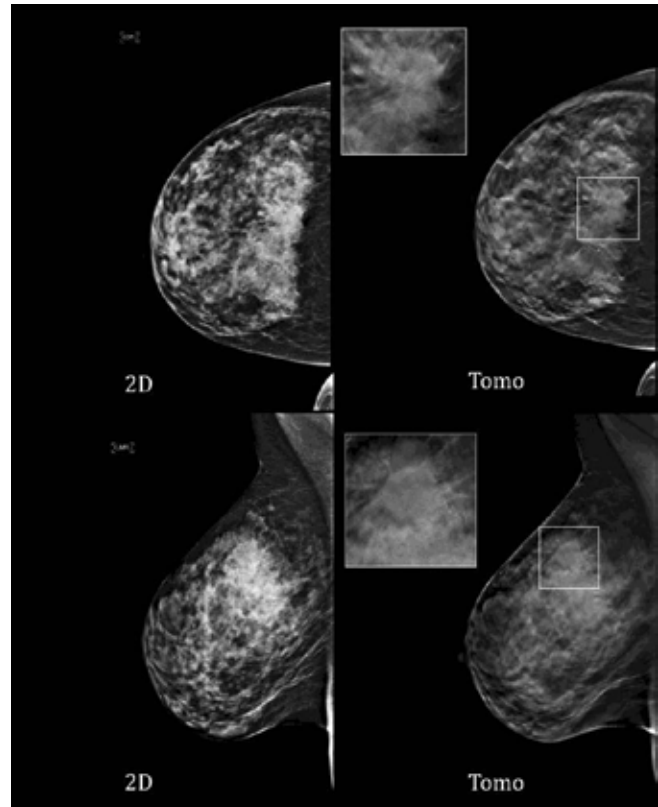
C-View™ images eliminate the need for additional exposures and keep the dose for tomosynthesis exams the same as that of a digital mammography exam.

created directly from the tomosynthesis slices. In November 2011, Hologic announced the commercial release and CE mark of its C-View™ 2D image reconstruction algorithm that eliminates the need for a conventional 2D mammogram as a component of a tomosynthesis screening procedure. This approach, which received U.S. FDA approval in May 2013, provides the advantage of reducing the number of exposures, leading to shorter exam times, increased patient comfort due to reduced time under compression and reduced patient dose. This software allows screening with tomosynthesis at comparable dose as conventional digital mammography.

Tomosynthesis guided biopsy

The ultimate diagnosis of a breast cancer lesion is through biopsy tissue sampling. The ability for tomosynthesis to identify lesions not readily visible with digital mammography or ultrasound has created an issue: How can a lesion that cannot be located using standard imaging methods be biopsied? Many lesions found with tomosynthesis can, in retrospect, be located and biopsied under stereotactic guidance, or biopsied using ultrasound imaging. But subtle lesions found in tomosynthesis sometimes can only be identified using tomosynthesis imaging. This requires that biopsy systems employ imaging and localisation using tomosynthesis.

With tomosynthesis-guided biopsy, it is possible to deter-



Tomosynthesis is effective in locating lesions that are occult in 2D imaging. In the image above, the architectural distortion is essentially occult in the 2D mammograms, but is easily visualized in the tomosynthesis images. Tomosynthesis-guided biopsy of this lesion might be appropriate, and more effective than stereotactic localization.*

mine the x-y-z location of a lesion with a single tomo scan. Advantages of this procedure compared to stereotactic biopsy include improved visibility of lesions that are occult in 2D imaging, faster lesion targeting, fewer X-ray exposures and reduced patient procedure time.

Conclusion

Breast tomosynthesis has been proven in several large-scale screening studies to increase the detection rate of invasive breast cancers*, while at the same time reducing false positive recalls*. Advanced processing algorithms have made it possible to generate a 2D image from the tomosynthesis data set, thereby reducing dose to the patient, while still providing the 2D image needed for optimal performance. Finally, it is now possible to perform biopsies using tomosynthesis guidance, enabling accurate targeting of all lesions, including those visible only on tomosynthesis imaging.

* Data on file

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DIGITAL MAMMOGRAPHY

FUJIFILM Amulet F

Power	3.5 kW
Detector	Direct optical switching, a-Se
Pixel size	50 micron

Highlights

- Ultimate patient comfort with new adaptive compression paddle
- Optimised for user & patient ergonomics
- 50 micron image at extremely low radiation dose
- High DQE and high MTF
- Direct optical switching technology
- Auto-positioning
- Single-touch function
- Stereotactic biopsy examinations with lateral approach optional
- 3D mammography optional
- Compatible with digital mammography CAD
- Specially designed AWS (Acquisition Workstation)




FUJIFILM Amulet Innovality

Detector	a-Se direct conversion with HCP (Hexagonal Close Pattern)
Power	7 kW
Pixel size	50 micron

Highlights

- Choice of 2 tomosynthesis angles depending on the clinical need
- Intelligent exposure control with automatic implant detection
- Ultimate patient comfort with new adaptive compression paddle
- Optimised for user & patient ergonomics
- 50 micron image at extremely low radiation dose
- High DQE and high MTF
- HCP detector design
- Auto-positioning
- Single-touch function
- Stereotactic biopsy examinations with lateral approach optional
- Tomosynthesis and 3D mammography optional
- Specially designed AWS (Acquisition Workstation)



FUJIFILM Amulet S

Power	3.5 kW
Detector	Direct optical switching, a-Se
Pixel size	50 µm

Highlights

- Ultimate patient comfort with new adaptive compression paddle
- Optimised for user & patient ergonomics
- 50 micron image at extremely low radiation dose
- High DQE and high MTF
- Direct optical switching technology
- Auto-positioning
- Single-touch function
- Compatible with digital mammography CAD
- Specially designed AWS (Acquisition Workstation)



GE Healthcare Senographe Care

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

Highlights

- Combination of iodinated contrast medium and digital mammography with a-Silicium detector
- Reliable, affordable system
- Optimized image quality and dose efficiency
- super IQ for dense breast
- Dual track tube Mo / Rh-Stereo
- option available
- The landmark in breast care
- Image quality: clearly excellent



GE Healthcare Senographe Crystal



Highlights

- Senographe Crystal
- Easy to transition to full-field mammography
- Small footprint
- Simplified installation
- Automated functions – intuitive interface – compact ergonomic design
- Excellent 2D image quality – Single-chip mammography CMOS detector

GE Healthcare Senographe Essential

kV Range	20 - 49 kV
Detector	a-Silicium, 24 x 31 cm
Pixel size	100 µm



Highlights

- High patient throughput
- Dual track tube Mo/Rh
- Automatic Optimization of Parameters (AOP)
- Ergonomic paddles that shape to the breast
- Stereo-option available
- SenoBright – Contrast Enhanced Spectral Mammography (CESM) option available – to localize potential lesions when initial screening results prove inconclusive
- SenoClaire – Digital Breast Tomosynthesis option available



3D mammography transforming breast care for generations to come

The total breast tomosynthesis solutions. Only from Hologic.

- Selenia® Dimensions® 3D mammography system, proven to increase detection and decrease recalls.*
- C-View™ software, clinically confirmed, lower-dose choice.*
- Affirm™ breast biopsy guidance system with Eviva® biopsy system, the innovative tomosynthesis biopsy option.

To learn more, e-mail us at info@hologic.com.

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HOLOGIC®

Extraordinarily powerful care

Hologic Selenia Digital Breast Imaging Solutions

Resolution	70 μm
Detector	Amorphous Selenium, 24 x 29 cm

Highlights
 Today the breast imaging suite demands the best possible digital mammography image, the lowest possible dose, and the most flexible tools for the technologist.

- The Selenia digital mammography system is designed to meet this demand, delivering exceptional sharp, digital images, with excellent contrast and consistency.
- Robust and flexible for any clinical setting, including mobile environments and full service practices that wish to perform both screening and diagnostic mammography examinations, the Selenia system is designed to support your workflow preferences.




Hologic Selenia Dimensions 2D/3D

Detector	Amorphous Selenium, 24 x 29 cm
Power	n/a
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.

- Exceptionally sharp images
- Groundbreaking breast tomosynthesis technology
- Seamless, instantaneous transition between imaging modes: 2D, 3D, and 2D and 3D acquired in the same compression
- Advanced user tools to simplify operation and enable higher patient throughput
- Integrated upright biopsy capabilities



IMS Giotto Image 3DL

Power	8 kW
Detector	Amorphous Selenium, 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 DOE and high MTF
- Amorphous selenium detector: available in 24 x 30 cm




IMS Giotto Tomo

Power	8 kW
Detector	Amorphous Selenium, 24 x 30 cm
Pixel size	85 μm

Highlights

- Giotto TOMO introduces the 2nd generation DBT, it allows to see clearly the small and subtle microcalcifications, thanks to a combination of high spatial resolution (6 lp/mm) with the "Step & Shoot" motion and the 85 μm native pixel size.
- It uses the concept of variable doses to optimize the above-mentioned parameters and enable, in the COMBO mode, a traditional extrapolated mammographic view as a CC or MLO central projection in the same compression.
- It makes only a few exposures 13 with a wide scanning angle 40°, thereby improving spatial resolution in the vertical plane as well as computational speed.




Planmed Nuance Excel

Power	20 - 35 kV
Detector	a-Se, 23.9 cm x 30.5 cm
Pixel size	85 μm

Highlights

- Low dose FFDM unit with 23.9 x 30.5 cm a-Se detector and fully automatic Flex-AEC with tissue type recognition
- Acquisition workstation (AWS) with 3 MP TFT monitor and optional Nuance Acquire Station with motorized height adjustment
- Integrated MaxView Breast Positioning System
- Side Access for optimal patient positioning and ergonomics
- Optional: Geometric magnification kit; stereotactics with Nuance DigiGuide




Planmed Nuance

Power	20 - 35 kV
Detector	a-Se, 17.1 cm x 23.9 cm
Pixel size	85 μm

Highlights

- FFDM unit with 17.1 x 23.9 cm a-Se detector and fully automatic Flex-AEC with tissue type recognition
- Acquisition workstation (AWS) with 3 MP TFT monitor and optional Nuance Acquire Station with motorized height adjustment
- Integrated MaxView Breast Positioning System
- Side Access for optimal patient positioning and ergonomics
- Optional: Geometric magnification kit; stereotactics with Nuance DigiGuide; low-dose tube with TriFilter technology



Siemens True 3D Breast Tomosynthesis¹

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



Highlights

- True 3D Breast Tomosynthesis for increased depth resolution and contrast as well as improved capabilities to diagnose especially very dense breasts
- 3D-imaging via the acquisition of breast images taken with the industries widest angle of 50° (+25° to -25°)
- Now available with the new HD Volume Reconstruction for high definition results
- True 3D Breast Tomosynthesis is available on MAMMOMAT Inspiration and MAMMOMAT Inspiration PRIME Edition¹

¹ True 3D Breast Tomosynthesis is not available in all countries. Due to regulatory reasons its future availability cannot be guaranteed. Please contact your local Siemens organization for further information.

Siemens MAMMOMAT Inspiration PRIME Edition¹

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



Highlights

Offers all features and functions of the MAMMOMAT Inspiration plus in addition:

- PRIME Technology: Worlds first anti software-based scatter solution in digital mammography
- Combines gridless acquisition and Progressive Reconstruction
- Up to 30 % less dose² with uncompromised IQ

¹ MAMMOMAT Inspiration PRIME Edition is not available in all countries. Due to regulatory reasons its future availability cannot be guaranteed. Please contact your local Siemens organization for further information.

² Compared to grid-based acquisition with MAMMOMAT Inspiration, depending on breast thickness

Siemens MAMMOMAT Inspiration

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



Highlights

Platform for multiple mammography applications: Screening, diagnostics, stereotactic biopsy¹ and tomosynthesis^{1,2} in one system and one acquisition workstation

- Faster direct-to digital aSe detector included
- Personalized OpDose and Adaptive AEC Algorithm for individual dose reduction
- Flexible OpView with 5 different flavors for customized image impression
- Convenient single-touch positioning, and more time saving features enhanced workflow
- Unique and calming MoodLight helping women relax during the exam

¹ Option

² MAMMOMAT Inspiration is not available in all countries. Due to regulatory reasons its future availability cannot be guaranteed. Please contact your local Siemens organization for further information.

Siemens MAMMOMAT Fusion¹

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



Highlights

- New mammography system with proven premium features for everyday screening and diagnostics
- 2nd generation Csl 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
- Single-touch positioning, one-touch-to-image and more time saving features for a faster workflow

¹ Mammomat Fusion is not commercially available. Due to regulatory reasons its future availability cannot be guaranteed.

Villa Sistemi Medicali Melody III d

Power	5 kW
Detector	a-Selenium, 18 x 24 cm or 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
- Motorized C-arm with ± 180° rotation
- Version with isocentric C-arm dedicated for biopsy procedures
- FFDM BYM 3D stereotactic biopsy device with computerized parameters calculation and needle positioning

Wandong Phoenix Full-field Digital Mammography

Detector	a-Se 300mm×240mm 85 µm x 85 µm
kV Range	20~ 40kV
Power	4.8kW



Highlights

DM-1 can pre-set position order and achieve fully automatic positioning. This can greatly speed up your work flow. DM-1 has brand new AEC function. By using unique breast auto examine technology it can let system automatic adjust the exposure parameters. It let us achieve best image quality with minimum radiation dose. The DM-1 is designed to provide a comfortable experience for your patients through ergonomic features that are designed by experts who understand what your patients need. By using intelligent motor drive breast compressor when the compressor contacting patient's breast it will automatically slow down and pressing gently.

FILM-SCREEN MAMMOGRAPHY

Planmed Nuance Classic

Power	20 - 35 kV
Anode	Mo
Filter	Mo / Rh

**Highlights**

- High-end analog mammography unit with Flex-AEC
- Field upgradeable to full field digital mammography
- Side Access patient positioning
- Optional MaxView Breast Positioning System
- Stereotactics system available as an add-on
- CR interface available

Planmed Sophie Classic

Power	20 - 35 kV
Anode	Mo
Filter	Mo / Rh

**Highlights**

- Versatile midtier film unit with multiple options
- Optional Flex-AEC with tissue type recognition
- Optional MaxView or TwinComp compression system
- Optional magnification and stereotactics
- Optional CR interface

Planmed Sophie Classic S

Power	20 - 35 kV
Anode	Mo
Filter	Mo / Rh

**Highlights**

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

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)
- Auxiliary display showing applied compression force, C-arm angulation, compressed breast thickness
- AEC with selection of exposure parameters in function of effective breast density
- C-arm with $\pm 180^\circ$ 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 cassettes

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
- Unique 10 degree angled biopsy approach for an unobstructed view
- Provides ability to offer breast biopsies and wire localizations
- Quick and easy transition from mammography to upright biopsy



- A cost-effective, space-saving and upgradeable system to expand the site

Hologic MultiCare Platinum System

Highlights

The MultiCare Platinum breast biopsy prone table offer exceptional image quality, pinpoint accuracy and precise, efficient operation using leading-edge targeting and guidance technology.

- Intuitive Cartesian Coordinates help to ensure both accurate targeting
- Digital Spot Mammography (DSM) offers a wide array of tools for effective targeting and image enhancement
- Compatible with most biopsy devices
- Optional MultiCare Maximum Comfort Package:
 - ergonomically engineered cushions
 - interchangeable apertures to allow for more customized positioning
 - addresses the limitations of the "arm-through" technique



Hologic StereoLoc II Breast Biopsy Guidance System

Highlights

Hologic StereoLoc II upright system offers exceptional image quality, and efficient operation using leading-edge targeting and guidance technology.



- Designed for the Selenia Performance digital mammography system
- Intuitive Cartesian Coordinates help to ensure both accurate targeting
- Digital Spot Mammography (DSM) offers a wide array of tools for effective targeting and image enhancement
- Compatible with most biopsy devices

IMS Giotto Mammo-bed

Detector	Amorphous Selenium, 24 x 30 cm - same of mammography
Resolution	85 µm



Highlights

- Prone biopsy table using the same a-Selenium 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 simplifying the lesion's identification.
- The system provides 360° access to the breast with no repositioning of patient and the possibility to choose the best possible approach to the breast using the dedicated gun-holders: frontal, frontal inclined and lateral.

ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology CIRS Phantoms



Highlights

- Mammography BR3D phantom
- Mammographic accreditation phantom
- Stereotactic needle breast phantom
- Mammography research set
- Digital mammography phantoms

Hologic ATEC Breast Biopsy and Excision System



Highlights

The ATEC breast biopsy and excising system is designed to provide clinicians with easier and more effective access to lesions with fewer needle insertions.

- Tissue acquisition occurs every 4.5 seconds
- Easily delivers local anesthetic without interruption
- Combination of saline lavage and constant aspiration helps ensure a core with every cycle
- Fully closed system and fully disposable device reduce contamination risk
- Multiple needle options to address a wide spectrum of patients
- One user-friendly console for every modality
- No software to program or operate console
- One minute set-up and clean-up

Hologic Eviva Breast Biopsy Device



Highlights

The Eviva biopsy device is designed to deliver a fast, comfortable and accurate procedure. The innovative design of the device is optimized to reach the broadest spectrum of patients using both prone and upright systems.

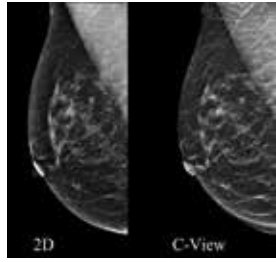
- Quiet, remote firing and with integrated pain management
- Average tissue acquisition time of 1 minute
- Control and consistency
- Direct control of sampling with tactile thumb wheel
- Combination of saline lavage and constant aspiration helps ensure a core with every cycle. High-quality cores ensured with saline lavage and constant aspiration
- End deploy site marking solution

Hologic ImageChecker CAD



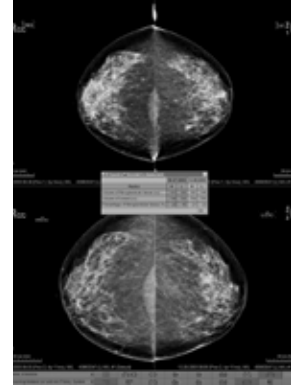
Highlights

- 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. However, the Hologic SecurView diagnostic workstation is the only softcopy diagnostic workstation that can display the most advanced CAD capabilities.

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.

- Shorter scan time results in less compression time and improved patient comfort
- Faster, 4 second scan time reduces the risk of patient motion
- Increased diagnostic accuracy and reduced false-positive recall rates compared to 2D alone

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.

- A single click on a Hologic SecurView diagnostic workstation reveals Quantra breast density assessment information for all available studies
- Simplifies the monitoring of volumetric change over time
- Quantra breast density assessment information is readily available on your PACS workstation

Hologic Trident Specimen Radiography System**Highlights**

The Trident system allows for instant verification of biopsy samples right in the procedure or operating room, resulting in reduced procedure time and improved workflow.

- Superb image quality for rapid verification with maximum confidence
- One-touch x-ray control with AEC for fast image acquisition
- Large, 12 cm x 14 cm active imaging area
- Innovative Enhanced Visualization tool with five levels of image optimization for added sharpness and lesion conspicuity
- Fully integrated, maneuverable and ergonomic workstation
- User-friendly operator interface
- Ideal for radiologists, breast surgeons and pathologists

**I.A.E. C340****Highlights**

- Water cooled mammography tube unit, for beam scanning mammography equipments and high patients throughput screening applications.
- Brass body lead free X-ray shielding with 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 and high patients throughput

PTW NOMEX Multimeter – True Precision. PTW.**Highlights**

- CE marked, class IIb certified DOSIMETRY SYSTEM, fully compliant with IEC 61674
- Connection to a tablet via USB
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Single exposure simultaneously captures all dose values, irradi. time, PPV, kVmean/max, TF, HVL, frequency, pulses and waveforms
- Ideal for tomosynthesis measurements
- Software menu in Chinese/English/French/German/Italian/Japanese/Portuguese/Russian/Spanish
- Stored data and waveform export as XLS file via USB or BT
- Accessories: CE marked, class I certified PHANTOMS available: NORMI MAM digital/analogue/biopsy

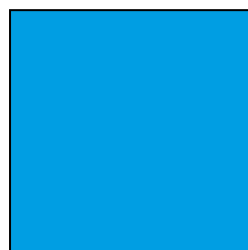
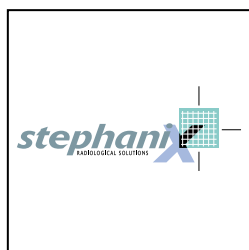
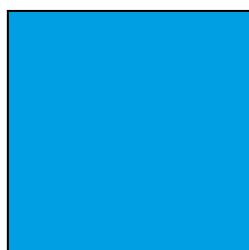
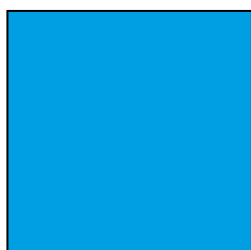
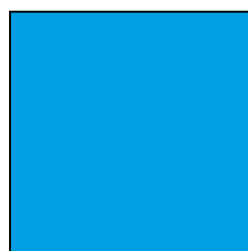
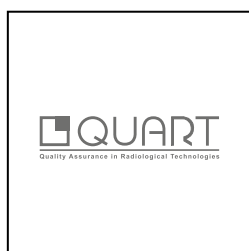
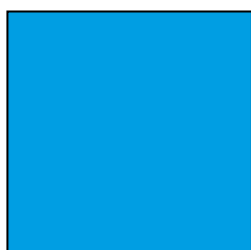
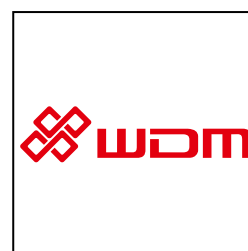
**Quart Q-Vision Biopsy QA system****Highlights**

- The QUART Q-Vision combines an IQ phantom and DAP meter into a complete QA system. This enables comprehensive but very time efficient QA/QC testing in stereotactic biopsy.
- Image quality analyses can be directly correlated with dose reference values, thereby achieving a very high level of quality control and equipment safety. The system is optimised for small fields of view in biopsy.
- The contrast resolution is tested using QUART's unique Landolt ring objects. Only one exposure is required for the complete QA test.



- Parameters
 - - Dose-area product
 - - Medium resolution
 - - Low-contrast resolution
 - - Perceptibility Limit
 - - Homogeneity/artefacts

R/F - FILM-SCREEN



BUCKY

GMM OPERA RT20 "Guitar" and "Harp"

Power Design Table | from 32 kW up to 80 kW
floor mounted
Adjustable height table

**Highlights**

- Compact radiographic units ensuring unmatched application versatility and full operational efficiency.
- X-ray tube remarkable displacements for the quickest and easy execution of any examination and oblique incidences also on stretchers.
- Accurate full-length examination of the patient with no need for any repositioning.
- 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.
- Ease of installation in any kind of diagnostic room thanks to the extremely compact structure and extraordinary suppleness.

PROTEC BUCKY series

Power Table | various
Integration to table / wall stand / U-arm

**Highlights**

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

PROTEC PRS 500 F/E

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

**Highlights**

- Compact bucky system for minimal space requirement
- PROVARIO HF generator integrated into the table (40 - 80 kW)
- Anatomical programs 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 series

Power Table | 50 / 65 / 80 kW
Motorized height adjustable

**Highlights**

- Floor-mounted or ceiling-mounted X-ray tube assembly
- Parameter setting next to the patient
- Up to 400 application programs
- Auto-positioning function
- Automatic tracking functions
- Flat panel detector upgradability

Siemens Multix Fusion

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

**Highlights**

- Multix Fusion. 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 Pro

Power Table | from 32 kW to 80 kW
Floor mounted design with variable height table

**Highlights**

- Compact and reliable solution
- Ergonomically shaped for an easy patient positioning.
- Cover a wide range of general procedures
- Intuitive touch screen generator with 864 APR available
- Small space requirement
- Option: Tomography, ceiling suspension
- Scalable to DR solution

STEPHANIX RAD series E+

Power Table | from 32 kW to 80 kW
Floor mounted design with fixed height table

Highlights

- Compact and reliable solution
- Cost-efficient general rad room
- User-friendly workflow
- Floating table for easy patient positioning
- Intuitive touch screen console available
- Scalable to DR solution



Toshiba RADREX

Power Table | 50 kW or 80 kW
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 cm x 43 cm) and digital processor, a wide range of applications can be performed with a single-panel system that incorporates many automatic functions to minimize workload.



Villa Sistemi Medicali Moviplan

Cassette size | from 13x18 cm to 35x43 cm
Power Table | 32 / 40 / 50 / 65 / 80 kW
Fixed or elevating tabletop

Highlights

- Modular bucky system for general radiographic applications, musculoskeletal diagnostic room or emergency ward
- Several configuration options: table available with motorized lift, floor-mounted or ceiling suspended tubestand
- Optional tomographic functionalities



FLUOROSCOPY

GMM OPERA T - R/F remote-controlled table

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

Highlights

- A complete series of cutting-edge, cost-effective R/F remote-controlled tables.
- Highly integrated systems available in six different configurations to suit the actual operators' needs.
- 90/50° 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 or DR or RF flat panel detector.
- Efficient execution of any exam in both routine and specialized procedures: gastroenterology, skeleton, thorax and lungs, ER and Trauma, digital angiography, etc.
- Wide versatility of application enhanced by a comprehensive series of accessories (shoulder rests, compression belt, etc.).



Shimadzu Flexavision series

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

Highlights

- 90 / 50 Digital or analog local R/F table
- Flexible configuration
- Meets all requirements for routine R/F exams
- High reliability
- Turnable footrest

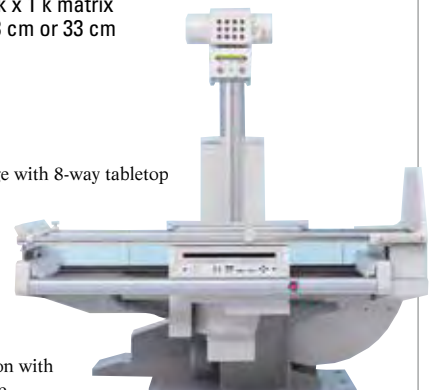


Siemens Luminos RF Classic

Design Technology II format | Remote-controlled R/F system
1 k x 1 k matrix
23 cm 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

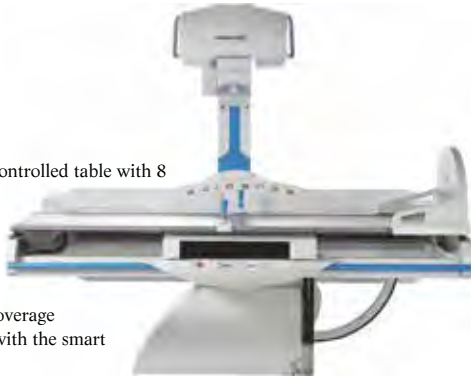


STEPHANIX EVIDENCE

Power | up to 80 kW
II format | up 16"
Image system | up to 1 k x 1 k imaging system

Highlights

- Versatile remote controlled table with 8 ways tabletop travel
- Easy patient positioning with variable height
- Optimal patient coverage
- Real back access with the smart access of 120 cm
- Column angulation +/- 40
- Scalable to DR

**Toshiba Plessart EX 8**

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

Highlights

- The Plessart VIVO 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.

**Toshiba Plessart VIVO**

Power | 50 kW

Highlights

- 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: radiography, arthroscopy, G.I., urology, angiography, flebography
- Full patient exploration by moving only the tube-receptor assembly, without patient repositioning
- SFD with cross divisions and one-hand cassette loading / unloading
- Up to 180 cm Source to Image Distance (SID)
- Oblique projections at table edges and bar-less tomography
- User-friendly touch screen console

**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 RF imaging
- Available with 2-way or 4-way flat tabletop, plastic or carbon-fiber
- SFD with either line or cross divisions and one-hand cassette loading / unloading
- Variable Source to Image Distance (SID): up to 180 cm
- Oblique projections at table edges and bar-less tomography
- User-friendly touch screen console

**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 technology, allowing 4-side access to the patient
- Full patient exploration by moving only the tube-receptor assembly, without patient repositioning
- SFD with cross divisions and one-hand cassette loading / unloading
- Up to 180 cm Source to Image Distance (SID)
- Oblique projections at table edges and bar-less tomography
- Standard carbon fiber tabletop
- User-friendly touch screen console



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 WDM HF51 Series

Power	50 kW
II format	40 x 40 cm
Image system	CCD



Highlights

- High frequency 50 kW generator
- Remote tilting table 90° / -25°
- SID adjustable 100 / 150 cm
- 12" / 9" / 6" three fields I.I.
- 1 k x 1 k digital RF imaging / 512 x 512 TV system
- Optional InvaRay digital imaging platform
- DICOM 3.0 fully support
- Two-table two-tube configuration is available

Wandong WDM HF81 Series

Power	80 kW
II format	40 cm
Image system	CCD



Highlights

- High frequency 80 kW / 200 kHz generator
- Remote tilting table 90° / -45°
- SID adjustable 100 / 150 cm
- 600kHU X-ray tube
- 12" / 9" / 6" three fields I.I.
- 1 k x 1 k high resolution with 30 fps image acquisition rate
- Comprehensive digital imaging processing workstation
- InvaRay digital imaging platform, DICOM 3.0 fully support

X-RAY MOBILE

FUJIFILM RX Evo - M Lite

Power	30kW or 40kW (option)
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Highlights

- Lightweight, economical Mobile Solution
- DR-ready system used with CR and Analog Cassettes
- Swivel arm for easy bedside positioning
- upgradable for use with Fujifilm D-Evo Series of cassette sized FPD

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

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
- DR ready: Flat panel detector upgradability

Shimadzu MobileArt Evolution


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
- Low noise motorized system

Siemens Multimobil 2.5	Multimobil 10	
Power	2.5 kW	10 kW
kV Range	40 - 100	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 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 as low as 1 ms and a powerful 30 kW generator
- 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

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 < 4 ms
- Easy handling and maneuverability based on a lightweight and compact system design
- High reliability
- Powerful entry level analog mobile X-ray system

STEPHANIX MOVIX Series E+

Power	From 16 to 32 kW
Design	Capacitor assisted generator
Motorized	No



Highlights

- Cost effective solution
- Compact mobile unit
- Generator power ensures a wide range of procedure
- User-friendly operation
- Dual focal spots
- A short exposures time

Villa Sistemi Medicali Visitor T30R

Motorized Power	No
kV Range	30 kW
mAs Range	40 - 125
	0.2 - 220



Highlights

- Mobile unit specific for high productivity environments including ERs
- Maximized performance thanks to ±90° rotating arm for two bedside access without repositioning
- High maneuverability and lightweight design
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead

- LD mode with 50% power reduction
- APR anatomic mode
- User friendly control panel

Villa Sistemi Medicali Visitor T30

Motorized Power	No
kV Range	30 kW
mAs Range	40 - 125
	0.2 - 220



Highlights

- Mobile unit designed for emergency context as well as orthopedics, pediatric or surgery departments
- High maneuverability and lightweight design
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- LD mode with 50% power reduction
- APR anatomic mode
- User friendly control panel

Villa Sistemi Medicali Visitor T4

Motorized Power	No
kV Range	4 kW
mAs Range	40 - 110
	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

Wandong WDM PX100-CLK

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



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, compact structure, Microcomputer-control, easy to operate, maintain and move.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Dunlee Replacement Tubes

Highlights

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



Dunlee Smit Röntgen Grids

smit
RÖNTGEN



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

GCTechnology CIRS Phantoms

**Highlights**

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

PROTEC PROGNOST XP-series

Power Table

Line or battery
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

Quart Anthropomorphic Phantoms

**Highlights**

- Our German-made anthropomorphic body part x-ray phantoms allow repeated x-ray imaging of specific body regions. Usually they are used in x-ray training or specific x-ray equipment testing.
- The phantoms include real human bones. The bones are embedded in tissue equivalent material. All of the phantoms are available in opaque (coated with colour to hide the inner structures) or transparent versions.

- Phantom Versions
 - Full Body
 - Head
 - Hand/Arm
 - Hip/Spine
 - Foot/Leg
 - Special Training Phantoms

Roesys X Mobil

**Highlights**

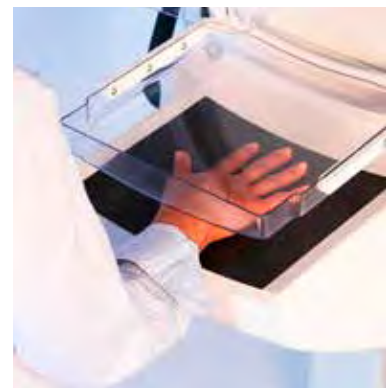
- Mobile patient table with single side suspended, floating table top and electromagnetic locks. Motorized height adjustment for optimal patient positioning. Foot switch to release locks.
- Floating table top for optimum access to patient and large radiolucent exposure area
- High mobility of the table due to swivel castors and for height adjustment by re-chargeable batteries
- Optimal in combination with the digital radiography system X Twin

Sectra DoseTrack

**Highlights**

- Sectra DoseTrack is a web-based dose monitoring solution that allows you to monitor patient radiation doses and ensure that they are kept as low as reasonably achievable (ALARA). Sectra DoseTrack automatically collects, stores and monitors data from all connected modalities saving valuable time and facilitating analysis. Sectra DoseTrack supports both the IHE Radiation Exposure Monitoring profile and the DICOM MPPS standard, enabling the connection of almost any modality to gain a complete dose monitoring solution.

Sectra OneScreen

**Highlights**

- Sectra OneScreen is a cost-effective online solution to identify patients in the risk group for osteoporosis. The service is especially convenient in combination with mammography. With a single, standard X-ray image of the hand the women's bone health (Bone Mineral Density, BMD) is estimated, using the patented DXR (Digital X-ray Radiogrammetry) technology. The image is taken at the same time as breast images, using the same radiology equipment. It is then sent to Sectra's online lab for analysis. With the BMD result and other known risk factors, individuals with increased risk of future fractures can easily be identified.

R/F - DIGITAL



General Radiographic System

A comprehensive range of units, specifically conceived to meet any diagnostic need

Since ever, for any kind of disease the rapidity of the diagnosis can make the difference, in order to reduce the waiting time and start immediately the appropriate treatment. For this reason, Villa Sistemi Medicali's main commitment is to design systems that can support doctors and health workers in their daily activity, assembling ready-to-use machines, equipped with everything suitable for immediate efficiency.

MAXIMIZED QUICKNESS FOR PATIENTS AND OPERATOR



Moviplan iC table is unlocked by breaking a peculiar "light barrier", an invisible light beam making the process gentler compared to the one with the mechanical pedal from other players.

Thanks to the intuitive graphic of the Touch Screen interface, every function of the machine is only few touches away, for immediate user benefit. Horizontal, vertical and oblique auto-tracking functions are available for the optimization of the exam time, during any application.



An easy patient positioning is permitted by a wide vertical coverage, arriving to a minimum distance from floor. This is particularly useful with non cooperative cases, paediatric patients, traumatized and people with handicaps.

The patient table, without protruding edges, is longer and wider compared to the main market players and its extended horizontal movements allow to easily execute also sequential exams, with no need for patient repositioning.



The Moviplan iC, with its high weight capacity, represents a solid structured machine. This feature allows an extraordinary versatility, as long as the table permits to easily accommodate also bariatric patients. Tomographic versions of Moviplan iC are fully electronic and the operator can select any tomo angle through the Touch Screen control panel. According to specific needs, it is always possible to make gridless exposures, fundamental for paediatric exams or for low density districts.

ENGINEERED ON USER'S DAILY EXPECTATIONS



Moviplan iC stands out in the market thanks to its innovative aesthetics, meeting efficiency during any application. The absence of unsightly cables plays an important part in the attractiveness of the design, while maximizing the safety for operators. In the configuration with elevating table and ceiling suspension, all table controls are located on both sides of the unit to optimize patient throughput.

Systems complete with column have floor rails with minimal height and no footsteps: this represents a great improvement for operator's comfort. Additionally, to maximize safety also for the patients, table movements have proper anti collision devices.



Moviplan iC can be equally equipped with traditional cassettes or with the latest generation digital flat panels, either fixed or portable. Generators from 32 kW to 100 kW are ready to match every configuration required. Moviplan iC can be provided with the X-ray tube mounted on the floor column

or with one of our ceiling suspended tube supports. In both cases, the user can rely on the maximal precision of the movements and on the perfect integration with the table.



Moviplan iC wall buckies are available as tilting or fixed, these last ones configurable with optional motorized footrest. Extreme versatility comes from the wide vertical movement and the minimal distance from the floor, permitting to limit the use of steps with patients.

The tilting chest stand features 4 selectable positions: in addition to the traditional ones (horizontal, vertical and Trendelenburg), there is a specific configuration for use with mobile tables, thanks to the huge extension of the arm. Chest stands are equipped with comfortable grips for patient positioning; moreover it is possible to insert the cassettes from both sides of the bucky, to reach optimal efficiency.



Easy patient positioning



Touch Screen interface simplifies user's workflow



Since 1958, Villa Sistemi Medicali designs, manufactures and markets radiological systems for dental and medical applications. Leveraging more than 55 years of experience in X-ray field, the company's know-how covers all technologies which can create either a modern radiographic examination room as well as an efficient integration of imaging systems.



CONVENTIONAL

Agfa HealthCare DX-G	
Slots	1 - 5 cassettes: drop and go buffer
Resolution	6.7 - 10 pixels/mm
Cassette size	from 15 x 30 cm to 35 x 43 cm



Highlights

- Next-generation CR digitizer
- 2 types of detectors: NIP and PIP detectors
- Superb image quality and potential for dose reduction
- 5 cassette drop-and-go buffer
- Small footprint
- Capacity: approx. 83 plates per hour (35 x 43 cm cassette)
- MUSICA Image Processing

Agfa HealthCare 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

- 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


Agfa HealthCare CR 30-X	
Slots	1
Resolution	10 pixels/mm
Cassette size	from 15 x 30 cm to 35 x 43 cm



Highlights

- Tabletop digitizer
- Broad range of applications: 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


Agfa HealthCare 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

Agfa HealthCare CR 15-X	
Power	Autorangeing external power supply (24V output)
Size	580 W x 700 D x 471 H (in mm)
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
- Networking capabilities deliver seamless integration
- Highly versatile, compact CR 15-X offers an ideal solution for decentralised hospital environments, clinics and private practices.

Agfa HealthCare 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 HealthCare 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

FUJIFILM FCR XG 5000

Slots	4
Resolution	5 - 10 pixel/mm
Capacity	165 Imaging plates (IPs)/h

**Highlights**

- Worldwide more than 90 000 FUJIFILM CR systems installed
- Universal applicable
- IHE certified
- Wide dynamic range
- Optimized workflow

FUJIFILM FCR Protect One

Slots	1
Resolution	5 - 20 pixel/mm
Capacity	85 Imaging plates (IPs)/h

**Highlights**

- EUREF & PAS 1054 compliant
- First mammography CR system approved by FDA
- Needs 30 % less dosage for pediatric exams
- Compact system
- Dual side reading technology ensuring final images with higher DQE

FUJIFILM FCR Protect CS

Slots	4
Resolution	5 - 20 pixel/mm
Capacity	165 Imaging plates (IPs)/h

**Highlights**

- EUREF & PAS 1054 compliant
- First mammography CR system approved by FDA
- 50 micron reading
- Needs 30 % less dosage for pediatric exams
- Dual side reading technology ensuring final images with higher DQE

FUJIFILM FCR Prima T2

Slots	1
Resolution	10 pixel/mm
Capacity	73 Imaging plates (IPs)/h

**Highlights**

- Tabletop CR system – compact footprint, only 0.30 m²
- Enhanced IP processability – stable and optimized images
- All-in-one workstation
- Quick display with simple operation
- Various diagnostic functions
- Integrated management of image data and patient information
- Less storage space
- Just 39 kg

FUJIFILM FCR Prima II

Slots	1
Resolution	10 pixel/mm
Capacity	55 Imaging plates (IPs)/h

**Highlights**

- Compact footprint, only 0.24 m²
- Enhanced IP processability
- Stable and optimized images
- All-in-one workstation
- Quick display with simple operation
- Various diagnostic functions
- Integrated management of image data and patient information
- Less storage space



Trinias F12 – crossover angiography system

Deep insights meet new medical applications

As one of the world's leading manufacturers of advanced imaging systems and equipment for medical diagnosis and treatment, Shimadzu has remained a pioneer of technology and design for more than 100 years since the company produced Japan's first X-ray apparatus for medical use in 1909.

Vascular interventions from head-to-toe: Trinias angiographic system series

With growing life expectancy the number of age-related diseases of the blood vessels increases as well. Particularly, stenosis or occlusions of the arteries can cause circulatory disorders affecting organs or other body parts.

Shimadzu's latest Trinias angiography series are true multipurpose systems for cardiovascular and angiographic procedures and are available in a floor- and ceiling-mounted version or as a biplane system.

Trinias is equipped with a 30 x 30 cm FPD supporting a wide-range of vascular interventions from head-to-toe, from cerebral, cardiac, and abdominal blood vessels to peripheral blood vessels in the upper and lower extremities or with a 20 x 20 cm FPD supporting specialist cardiovascular interventions.

The Trinias series is equipped with innovative designs applying the

SCORE, SMART and SMILE philosophy that sets Shimadzu apart:

- SCORE imaging technology ensures powerful support for advanced interventions while reducing patient dose and increasing radiographic and fluoroscopic image quality
- SMART design allows significant enhanced operability with fast response time while the SMILE concept provides a safe and comfortable envi-

ronment for patients and medical staff alike

- SMILE concept is primarily about comprehensive X-ray dose management and comfort of patients and operators.

Best-in-class: Socialvision G4 multifunctional R/F system

The new Socialvision G4 is a high performance R/F table which provides numerous best-in-class features significantly improving its functionality and operability.

Socialvision G4 - multifunctional R/F system





Opescope Acteno – surgical C-arm system

The Sonialvision G4 combines the widest possible range of examinations with inter-departmental hospital capability. It is equipped with the largest available FPD at 43 x 43 cm and Shimadzu's next generation digital imaging platform. Combined with the large longitudinal stroke of Sonialvision G4, the FPD provides an extensive imaging area. In combination with an additional ceiling-mounted telescopic arm, a Bucky wall stand, and a second mobile FPD, the system easily extends into a sophisticated multifunctional R/F room.

In addition, advanced "SUREngine" technology (Shimadzu Ultimate Real-time Enhancement Engine) contributes to creating excellent image quality. It enables the natural enhancement of the entire image for clearer revelation of all examination areas including small, faint targets.

Shimadzu's premium application software offers the most recent improvements for diagnostic imaging, such as tomosynthesis for general radiographic imaging and slot scanning. Processing time is minimal while image quality is increased.

Opescope Acteno – C-arm with high operability and image quality

The new Opescope Acteno surgical C-arm system enables free and easy positioning and optimal performance to meet the demands of operation and emergency rooms. The system combines high image

quality with ease of use. The fully counter-balanced C-arm provides extra-light and quick C-arm movements and positioning. The exclusive manual vertical C-arm movements enable much quicker height adjustments in routine operations.

Shimadzu's unique C-arm lock/release button at the image intensifier allows the C-arm to be positioned from the clinician's side without the need to go back to the cart unit. The enlarged 78 cm wide opening of the C-arm facilitates approaches to the patient, minimizing the risk of contact with the operating table.

Evolving technology with outstandingly high flexibility

The MobileDaRt Evolution incorporates highly developed functions to improve the clinical workflow. A new FPD with a large field of view of 43 x 43 cm is available. Additionally detectors with a FOV of 35 x 43 cm and 27 x 35 cm allow operators to act even more independently when taking images in areas such as radiology, emergency rooms, traumatology, orthopaedics, paediatrics, or on the ward. The detectors combine high sensitivity with the lowest possible dose of radiation and provide sharp, high quality images. For hospitals, the choice of different detectors provides exceedingly high flexibility, like running two different detectors

to enhance the range of applications, retrofitting the analogue MobileArt series or even sharing the detectors with compatible digital X-ray rooms. ◀



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*MobileDaRt Evolution
– ultra-flexible wireless
DR solutions*

FUJIFILM FCR Capsula XL 2

Slots	1
Resolution	5 - 20 pixel/mm
Capacity	94 Imaging plates (IPs)/h

Highlights

- IHE certified
- extremely compact system, mobile model available
- Universal applicable, wide dynamic range
- Compact frame and vertical cassette insertion for effective work space
- Ideal for medium radiologists (e. g. orthopaedic doctors)
- Easy operations monitored on screen – high efficiency, high throughput
- All-in-one unit for all diagnostic imaging needs
- Mammography application (optional)
- Optional capability of 50-micron reading with high resolution imaging plates

**FUJIFILM FCR Capsula X**

Slots	1
Resolution	5 - 10 pixel/mm
Capacity	72 Imaging plates (IPs)/h

Highlights

- IHE certified
- Extremely compact system, mobile model available
- Compact frame and vertical cassette insertion for effective work space
- Universal applicable, wide dynamic range
- Easy operations monitored on screen
- Ideal for medium radiologists (e. g. orthopaedic doctors)
- Optimized workflow

**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 110HQ**

Slots	1
Resolution	3 - 11 lp/mm
Cassette size	from 18 x 24 cm to 35 x 43 cm

Highlights

- Powerful compact reader with linear motor technology
- High quality mammography read function
- Easy to operate and maintain
- 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

- Ultra compact: Konica Minolta's smallest and lightest CR reader
- Only 28 kg
- Foot print only 0.31 m²
- Processes up to 60 plates/hour
- Environmentally friendly with an energy consumption of max. 100 VA



RAD BOOK 2014

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DIGITAL

Agfa HealthCare DX-D 600

Power Detector 50 / 64 / 80 kW
CsI, 43 x 43 cm and 43 x 36 cm

Pixel size 139 µm



Highlights

- Ceiling mounted solution
- Ceiling mounted – versatile operation
- Family of systems from a manual system to a fully motorized auto-positioning system
- 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
- Choice of tubes and generator power

Agfa HealthCare DX-D 400

Power Detector 50 / 64 / 80 kW
Choice between Cesium Iodide (CsI) detector or Gadolinium Oxy-Sulphide (GOS) up to 125 µm



Highlights

- Floor mounted solution
- Flexible and affordable modality
- Family of systems from an analog manual system to a fully motorized auto-positioning DR system (shown here)
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Supports CR and DR integration
- Floor mounted – easy to install – requires limited space (4 m x 2 m)

Agfa HealthCare 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

DelftDI Adora DR

Design Detector Table Ceiling-suspended DR system
Canon CXDI DR detectors
Motorised carbon fiber, floating 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
 - Integrated with Canon CXDI DR detectors
 - Canon NE acquisition software with generator integration
 - Possibility to swap wireless detectors between different DelftDI modalities
 - Optional
 - Integrated image stitching for total spine and total leg
 - Fluoroscopic capability with Adora RF
 - Adora RSA with double tube head for RSA imaging procedures

DelftDI XSense DR

Design Detector Table Ceiling-suspended DR
Canon CXDI DR detectors
Motorized height adjustable with fixed tabletop



Highlights

- High End solution for all radiographic applications
- Optimized workflow for high volume patient throughput
 - High efficiency with RIS-integrated workflow
 - Smart Automatic Positioning
 - Detector tracking in horizontal position
 - Fixed tabletop makes it suitable for trauma procedures
 - Generator interface on Tube head display
 - Acquisition workstation with large DICOM-calibrated touchscreen display
 - Integrated with Canon CXDI DR detectors
 - Canon NE acquisition software with generator integration
 - Possibility to swap wireless detectors between different DelftDI modalities
 - Optional: - Fully Automatic Image Stitching

DelftDI Triathlon DR

Design Detector Table Ceiling-suspended DR system
Canon CXDI DR detectors
Motorized height adjustable with floating tabletop



Highlights


- High End solutions for all radiographic applications.
- All radiographic applications can be performed by the Triathlon DR
 - Smart Automatic Motorised Positioning
 - Floating tabletop
 - Optimal workflow for high volume patient throughput
 - High efficiency because of RIS integrated workflow
 - Acquisition station with large DICOM calibrated touch screen display
 - Integrated with Canon CXDI DR detectors
 - Canon NE acquisition software with generator integration
 - Possibility to swap wireless detectors between different DelftDI modalities
 - Optional: - Integrated image stitching for total spine and total leg

DelftDI Trauma DR

Design Detector | Ceiling-suspended U-arm trauma system
Canon CXDI DR detectors

Highlights
Versatile solution for trauma applications.

- Fast and efficient workflow for trauma examinations
- Easy manual positioning with motorized support for Z-movement
- Large open workspace with a fixed focus - detector distance of 135cm (option for 125cm)
- High patient throughput
- Detector docking station with integrated AEC
- Integrated Dose Area Product Meter (DAP)
- Acquisition station with large DICOM calibrated touch screen display
- Integrated with Canon CXDI DR detectors
- Canon NE acquisition software with generator integration
- Possibility to swap wireless detectors between different DelftDI modalities




FUJIFILM FDR AcSelerate CSI

Power Detector | 65 / 80 kW
CSI Scintillator combined irradiation side sampling (ISS); two fixed detector system;

Size | resolution: 150 µm, 2880 x 2880 pixel; third panel optional; wired or wireless
Optional third panel D-Evo Csl Series: 35 x 43 cm, 24 x 30 cm

Highlights

- Thomosynthesis optional
- Energy subtraction optional
- Image stitching optional
- 2 s image preview – 4 s interval exposure time
- Fully automated functionality as standard
- Auto-positioning, auto-tracking, auto-collimation, auto-filtering
- Fully motorized dynamic visualization



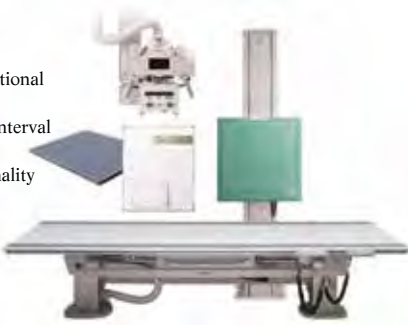
FUJIFILM FDR AcSelerate Flex

Power Detector | 65 / 80 kW
CSI Scintillator combined irradiation side sampling (ISS); fixed Csl detector in wall stand; resolution: 150 µm, 2,880 x 2,880 pixel

Size | Optional second panel D-Evo Csl Series: 35 x 43 cm, 24 x 30 cm

Highlights

- Chest thomosynthesis optional
- Image stitching optional
- 2 s image preview – 4 s interval exposure time
- Fully automated functionality as standard
- Auto-positioning, auto-tracking, auto-collimation, auto-filtering
- Fully motorized
- Dynamic visualization
- Table with bucky tray




FUJIFILM FDR D-Evo Suite

Power Detector | 65 / 80 kW
D-Evo Series GOS & Csl supported; IIS indirect conversion method

Size | variable 35 x 43 cm or 43 x 43 cm

Highlights

- 3 s image preview
- 9 s interval exposure time
- Lightweight ceiling suspension universal flat panel X-ray room
- Motorized floating top table, max. 250 kg patient load
- Motorized vertical tube
- ISS conversion method improves DQE & MTF significantly
- X-Con connection




FUJIFILM RX Evo - F

Detector | D-Evo Series GOS & Csl supported; IIS indirect conversion method

System concept | Space saving and cost efficient floor mounted x-ray room solution

Highlights

- The RX EVO-F is a powerful, easy to use X-Ray system offering high performance for the operator while maintaining a pleasant atmosphere for patients.
- This complete x-ray room solution delivers excellent exposure output supporting a comprehensive range of examination techniques in orthopaedic, surgical and urological applications. The system comes with the so called Harmony Lighting Option, which is a LED front plate. This most significant design element provides a comfortable environment and can be easily set according to your personal preference via remote control.



GE Healthcare Discovery XR656

Power Detector | 50 / 65 / 80 kW
Cesium Iodide Scintillator,

Pixel size | 41 x 41 cm
200 µm

Highlights

- Excellent image quality
- Fully motorized tube suspension with autopositioning
- Auto Field of View
- Advanced applications: VolumeRAD, dual energy, auto image pasting
- Four different configurations with FlashPad wireless detector



DR Upgrade
within 2 minutes.
Freedom
within reach.

you can



CXDI-401C WIRELESS



CXDI-701C WIRELESS



CXDI-801C WIRELESS

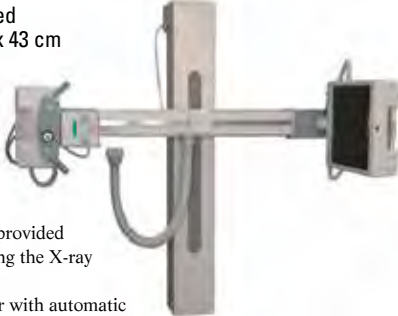


PORTABLE DR WORKSTATION

Canon

GMM POLISTAT D - DR universal stand

Design	Wall fixed unit
Detector	Fixed
Size	43 x 43 cm




Highlights

- Universal fixed wall stand provided with rotating arm supporting the X-ray tube and the detector.
- Ample SID, available either with automatic collimation system with spectral filters or manual collimation.
- The system ensures an easy and quick execution of radiographic exams with patients in standing, sitting or recumbent position.
- The system is ideally suited for E.R. procedure, general radiology procedures, skeleton and thorax examinations.
- The Polistat D universal stand can be combined with radiotransparent stretcher which is available as an option.

GMM CALYPSO - Multifunctional DR system

Design	Ceiling suspended-double detector system
Detector	Fixed or portable
Table	Adjustable height




Highlights

- An innovatory solution in direct digital radiology for high quality diagnostic results in Trauma, ER, routine and specialized examinations.
- Preset for receiving two digital flat panel detectors.
- The examination table is provided with adjustable height and can be moved in the four directions for a quick and easy patient positioning.
- Exclusive interlocking technology ensuring the automatic alignment of the X-ray source to the detector movement.
- Wall stand provided with adjustable vertical movement and tilting movement from the horizontal position to the vertical position and +20°.
- Advanced digital system with optional stitching.

GMM CALYPSO F - Multifunctional DR system

Design	Floor fixed system with double detector
Detector	Fixed or portable
Table	Adjustable height




Highlights

- Efficient and user-friendly highly integrated solution for direct digital radiology application.
- Adjustable height examination table with tabletop floating in the four directions.
- Column stand sliding on rails supporting the X-ray tube combined with examination table and wall stand.
- Column stand rotation around its vertical axis for easy and rapid execution of lateral projections and X-ray tube rotation around its vertical axis. Advanced digital system for image acquisition and processing provided with stitching function as an option.

GMM CHORUS - Multifunctional DR system

Design	Ceiling suspended system with single detector
Detector	Fixed or portable
Table	Optional radiotransparent stretcher



Highlights

- Highly integrated multifunctional DR system featured by an extremely flexible configuration and user-friendliness.
- Cutting-edge ceiling suspension and wall stand provided with digital flat panel detector.
- Efficient and quick execution of both routine and specialized examinations.
- High degree of movements automation.
- Accurate execution of oblique incidences on stretched patients thanks to the tilting and rotating wall stand. Exclusive automatic alignment of the X-ray source to the detector movement on both wall stand and examination table.
- Examination table ensuring the best manoeuvrability and safe positioning.

Konica Minolta AeroDR X70

Power	50 - 80 kW
Detector	AeroDR Csl FPD 14"x17"/ 17"x17"/ 10"x12"
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 X50

Power	32 - 80 kW
Detector	AeroDR Csl FPD 14"x17"/ 17"x17"/ 10"x12"
Pixel size	175 µm



Highlights

- AeroDR detector can be used in table, wallstand or outside of bucky
- High image quality, low dose
- Compact but fully functional
- Suits small rooms
- Optional stitching

Mecall EIDOS 3000 - Single/Dual FDP DR system

Detector Resolution Size	Amorphous silicon photodiodes array 143 μm 43 x 43 cm; 35 x 43 cm Wi-Fi;
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Highlights

- State-of-the-art system with single removable grid with exclusive auto-focusing device
- Single end suspended and pivoting tabletop for fast and easy treatment of patients on stretcher both on table and wall stand
- Advanced ceiling suspension with motorized movements
- Anatomical programs driven auto-positioning features
- Floor sliding stand capable to virtually position the FPD in any position
- Full-length patient examination in both vertical and horizontal position with automatic stitching possibility
- Advanced image processor technology capable to produce perfect images at a consistent low dose

**Mecall KALOS - Single/Dual/Triple FPD DR system**

Detector Resolution Size	a-Si 148 μm 43 x 43 cm; 35 x 43 cm Wi-Fi; 24 x 30 cm Wi-Fi
---------------------------------	--

Highlights

- Advanced elevating table with detector floating in longitudinal and lateral direction.
- 2 mt. useful radiographic area including lateral projections.
- Table detector can be driven outside the tabletop profile.
- Innovative ceiling suspension with motorized movements, integrated touch screen console.
- Anatomical programs driven auto-positioning features.
- Image processor commands accessible via ceiling suspension touch screen.
- Full-length patient examination in vertical and horizontal position with auto-stitching possibility on table and wall stand.
- Advanced image processor technology producing perfect images at a consistent low dose

**medigration DigiRoebis 3D**

Power Detector	55 kW Flatpanel a-Si, CsI (Akku: 43 x 43 cm and WLAN: 35 x 43 cm)
Pixel size	143 μm , 14 bit (Akku), 144 μm , 16 bit (WLAN)

Highlights

- Digital radiography solution with two flatpanel detectors (two wireless portable, or optional one build in and one wireless)
- Real-time image processing within a few seconds (preview in 9 s)
- Motorized, smooth-running telescopic ceiling stand
- Single touch screen console controls generator and acquisition software
- Superior image quality and contrast detail with medigration image processing software "HARMONY", (optional stitching)
- DICOM services: print, store, query / retrieve, MPPS, WL

**medigration DigiRoebis Z IS**

Power Detector	55 kW Flatpanel s-Si, CsI, 43 x 43 cm
Pixel size	148 μm , 16 bit

Highlights

- Easy to use X-ray device for all exam techniques at standing, sitting or lying patients
- Swivel arm rotation: -30° to $+135^\circ$
- Real-time image processing within a few seconds (preview in 9 s)
- Excellent price / performance ratio
- Single touch screen console controls generator and acquisition software
- Superior image quality and contrast detail with medigration image processing software "HARMONY", (stitching for "long-leg" images as an option)
- DICOM services: print, store, query / retrieve, MPPS, WL

**Primax International RIVIERA DR**

Power Detector Design	Up to 80 kW Wireless or fixed flat panel 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

**PROTEC PEDS 600 DR / Touch**

Power Detector	40 / 50 / 65 / 80 kW Full-size 43 x 43 cm, different panel and scintillator versions
Pixel size	e. g. 139 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° bis $+135^\circ$
- 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/E DR

Power Detector	40 / 50 / 65 / 80 kW Different single or dual panel systems, max. 43 x 43 cm
Pixel size	e. g. 139 µm

Highlights

- Compact bucky system for minimal space requirements
- PROVARIO HF generator integrated into the table (40 – 80 kW)
- Anatomical programs and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Floating carbon fibre table top
- Fully digital DR-System with flat panel detector technology, different configurations possible from single to dual detector systems
- Adjustable height with PRS 500 E DR

**PROTEC PRS 500 F/E DR Touch**

Power Detector	40 / 50 / 65 / 80 kW Different single or dual panel systems, max. 43 x 43 cm
Pixel size	e. g. 139 µm

Highlights

- Integrated state-of-the-art touch concept: Innovative and very simple touchscreen control including workflow support through "CONAXX Touch" control and acquisition software
- Radiographic positioning aid directly at the system
- Patient selection, job selection and generator control through 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 X/XPE DR**

Power Detector	40 / 50 / 65 / 80 kW Different panel and scintillator versions, max. 43 x 43 cm
Pixel size	e. g. 139 µm

Highlights

- Easy system handling and positioning due to its optimum weight counterbalance concept
- Maximum flexibility and workflow efficiency
- All digital versions are perfectly compatible with any other related software system (PACS, HIS, ...) via DICOM
- 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 2 image acquisition software
- "Touch" version: high-end solution with integrated image acquisition through touchdisplay directly at the system (compare: PRS 500 F/E DR Touch)

**Roesys X CS**

Power Detector	n/a
Pixel size	CSJ/a-Si 43 x 43 cm 143

Highlights

- The counterbalanced cross arm with image receptor and tube carriage can easily be moved in vertical direction, can be swiveled around the central axis and allows exact positioning of SID by simple cross shift of image receptor and tube carriage. Prepared for mounting of Standard Buckys, collimators and X-ray tube.
- Design: Counterbalanced cross arm

**Roesys X Twin**

Power Detector	n/a
Pixel size	CSJ/a-Si 43 x 43 cm 143

**Highlights**

- X Twin is a direct digital radiography system for obtaining images of patients in sitting, lying and standing positions. The control panel on the X-ray tube has an informative touch-screen. It includes a collimator and optional a laser sight and a measuring chamber for the dose area product. The modern detector enables low-dose examinations. It has an automatic, motorized tracking control.
- Generator: 40 – 80 kW
 - Design: Floor mounted

Samsung XGEO GC80

Design Detector	Ceiling-suspended 2D wireless DR system Highly sensitive direct CsI deposition type wireless detector
Size	43cm x 43cm / 3,040 x 3,036 pixels

Highlights

- Highly sensitive direct CsI deposition type wireless detector
- Next generation image engine
- Enhanced dose management using AEC & DAP
- Smart Stitching for full body imaging
- Soft handling for reduction of operating effort
- Auto positioning
- Auto tracking
- Remote control system for optimal working conditions





KONICA MINOLTA



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With the AeroDR 10x12", our new and smallest digital flat panel detector, you can enhance your Radiology department, offering an even wider scope of application. This latest addition to the AeroDR family was developed with paediatric examinations in mind. The ISO standard, cassette sized dimensions allow the panel to be used, without any modifications, in incubator trays for neonatal examinations, as well as in your general X-ray rooms.

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Giving Shape to Ideas

Samsung XGEO GF50

Design Detector	Floor-mounted 1D wireless DR system Highly sensitive direct CsI deposition type wireless detector
Size	43cm x 35cm / 3,040 x 2,466 pixels




Highlights

- Floor-Ceiling type
- Highly sensitive direct CsI deposition type wireless detector
- Next generation image engine
- Enhanced dose management using AEC & DAP
- Longitudinal auto-tracking movement following tube angle
- 4-way / 6-way table for quick and accurate patient positioning
- Foot switch sensor for convenient control of the table top
- Simple, intuitive GUI design

Samsung XGEO GU60A

Design Detector	1D wireless DR system with universal arm Highly sensitive direct CsI deposition type wireless detector
Size	43cm x 43cm / 3,040 x 3,036 pixels




Highlights

- Highly sensitive direct CsI deposition type wireless detector
- Next generation image engine
- Enhanced dose management using AEC & DAP
- Rotation-type Smart Stitching
- Auto positioning
- Auto tracking
- Anatomical Programmed Radiography (APR)
- Positioning help
- Remote control system for optimal working conditions

Shimadzu RADspeed DR

Power Detector	50 / 65 / 80 kW
Pixel size	Flat panel detector (a-Si) 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 Detector	50 / 65 / 80 kW
Pixel size	Flat panel detector (a-Si) 125 µm




Highlights

- New generation with wireless flat panel detector
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 14" x 17" (35 x 43 cm) 14" x 11" (35 x 27 cm)

* System configuration available in selected countries only

Siemens Multix Fusion

Power Detector	55 / 65 / 80 kW
Size	a-Si / CsI 35 cm x 43 cm, 139 µm, fixed detector 43 cm x 43 cm, 148 µm




Highlights

Multix Fusion.
Fits your needs. Fits your budget.

- Key components adapted from Ysio like imaging system, table, tube, Bucky wall stand and many more
- Outstanding images enhanced by DiamondView Plus
- Automation – Fast positioning with advanced tube tracking and comfortable maneuvering
- Wireless detector – dose optimized 35 cm x 43 cm CsI detector with only 3.5 kg and just 16 mm
- Optional fixed 43 cm x 43 cm CsI detector in wall stand – always ready for standing exams with no need to rotate the detector
- GuidedOrtho – easy to use guidance and automation to acquire and compose long leg and long spine images
- Small space requirements – fits your room and budget

Siemens Multix Select DR

Design Detector	Floor-mounted, 55 kW
Size	aSi / GOS 35 cm x 43 cm, 139 µm



Highlights

Multix Select DR.
First time. First choice.

- Robust mobile flat detector to cover full spectrum of clinical applications
- Imaging system from Siemens' high-end product line (e.g. Ysio Max, Multix Fusion) enhanced by DiamondView Plus
- Small footprint – 55 kW generator integrated into patient table
- Intelligent automation with organ preset programs to speed setup and improve reproducibility
- High system reliability and availability
- High flexibility – for seamless head-to-toe exams of patients up to 190 cm

Siemens Ysio Max**Design
Detector
Size**

Ceiling-mounted tube
a-Si / CsI
MAX wi-D 43 cm x 35 cm, MAX mini
24 cm x 30 cm, MAX static 43 cm x 43 cm

Highlights

Ysio – 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

**STEPHANIX Evidence DReam****Power
Detector**

up to 80 kW
Full-field flat panel detector

Highlights

- Well proven technology for over 300 systems installed
- Variable height solution for an easy patient positioning
- Real back access with the smart access of 120 cm
- Optimal patient coverage
- High image quality for radiographic and fluoroscopic procedures.
- Seamless digital workflow, fast image preview
- Advanced functions: DICOM connectivity and stitching
- Mix and match different type of detectors

**STEPHANIX RAD SERIES PRO DReam****System concept
Power**

Radiographic system
UP to 80 kW

Highlights

- Flexible solution
- 3 versions manual, auto tracking, auto positioning
- Lightweight for easy maneuverability
- Intuitive user interface
- Patient comfort
- Mix and match the different type of detector

**STEPHANIX Xtreme DReam****Power
Detector**

up to 80 kW
Full-field or portable
flat panel detector

Highlights

- Customizable solution with 3 versions manual, vertical tracking and auto-positioning
- Multi-detectors room
- Four ways elevating table top
- Intelligent software that controls the generator parameters and the unit positioning for enhancing the workflow
- Comprehensive user-interface is easy to operate with unlimited preset APR
- Excellent image quality
- Advanced applications: stitching
- DICOM connectivity
- Choice of technology CsI or GOS

**Swissray ddR Element****Power
Detector
Pixel size**

50 / 65 kW
a-Si CsI, 43 x 43 cm
148 µm

Highlights

- Space efficient, multifunctional DR system fits into very small X-ray rooms
- Affordable for any imaging provider with low running costs
- Built in 43 x 43 cm flat panel detector delivers superb image quality in a few seconds
- Easy and intuitive to use, includes digital positioning guide
- Workflow optimization through advanced eXpert and SwissVision user interface
- Repeat/reject examination analysis
- Off-center and off-detector imaging capability
- Multiple language capability
- Robust and reliable design

**Swissray ddR Formula Plus****Power
Detector
Pixel size**

65 / 80 kW
a-Si CsI, 43 x 43 cm
148 µm

Highlights

- Fully automated Position System (APS) for fast and flexible digital imaging and highest patient throughput with handheld remote control
- 1,296 pre-programmed APR programs
- Remote control for fast and convenient system positioning
- Superb diagnostic image quality with high contrast details
- Single Focus eXpertStitching function for orthopedic imaging
- Repeat/reject examination analysis
- Off-center and off-detector imaging capability
- Integrated video camera to monitor patient and ensure positioning
- Multi language capability
- ddRArt with backlit pediatric design



Toshiba RADREX-i**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. The X-ray tube support moves in synchronization with the radiographic positions of the vertical Bucky stand and the elevator-type Bucky table provided with FPDs.

Villa Sistemi Medicali ArmonicUs

Power Detector	50 / 65 / 80 kW
Pixel size	a-Silicon detector with CsI scintillator, 43 x 43 cm 143 μm

Highlights

- Cost-effective DR U-arm system for extended use, including general radiographic, emergency and orthopedic studies
- Compact structure with telescopic arm, integrated cabinet and reduced height column
- Easy patient positioning via manual mode or 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 (SID) up to 180 cm
- On-board parking station for two grids

**Villa Sistemi Medicali D-View**

Power Detector	50 / 65 / 80 kW
Pixel size	a-Silicon detector with CsI scintillator, 43 x 43 cm 143 μm

Highlights

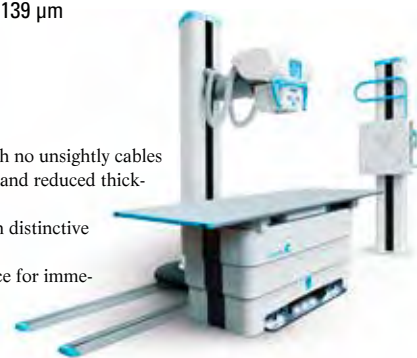
- Single detector DR system for all general radiographic, skeletal, chest, emergency applications
- Tilting detector support with motorized inclination -20° / +90°
- Ceiling tubestand with vertical auto-tracking function to automatically keep the alignment between the tube and the detector
- Two removable and interchangeable grids
- Choice of different mobile patient tables with carbon fiber tabletop

**Villa Sistemi Medicali Moviplan iC**

Power Detector	32 / 40 / 50 / 65 / 80 kW
Pixel size	a-Silicon detector with Gadox or CsI conversion screen, 35 x 43 cm 139 μm

Highlights

- Innovative design with no unsightly cables
- Anti-collision system and reduced thickness rails
- Table commands with distinctive "light barrier"
- Touch Screen interface for immediate inputs
- No patient limitation thanks to high weight capacity
- Electronic tomography with free selection of angle
- Available as analog or digital, with wired or wireless detectors

**Wandong New Oriental 1000**

Power	50kW
kV Range	40~150kV
Detector	43 x 43 cm (17" x 17")
Pixel size	140 μm

Highlights

- High frequency 50kW generator
- More than 600 APR programs for doctor's reference
- Four-way-floating table, manual rotation
- Ceiling suspended tube assembly, electric vertical movement, manual horizontal movement along ceiling rail, automatic tracking with the detector when in the mode of chest radiography.
- Full field, single CCD, 17"x17"
- InvaRay digital imaging platform
- DICOM 3.0

**Wandong New Oriental 1000 Fully Automatic**

Power Detector	80 kW
Pixel size	43 x 43 cm FPD 148 μm

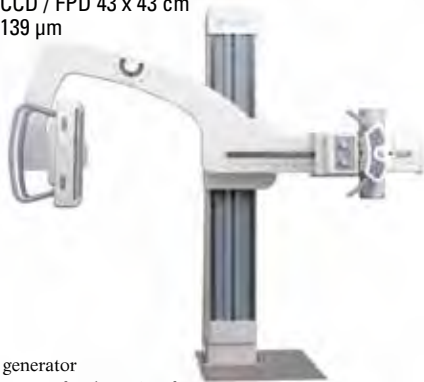
Highlights

- 80 kW high frequency generator
- Advanced FPD detector
- Ceiling suspending structure meet all kinds of clinical needs
- 5 axis electric control
- Auto positioning function
- Fast position switch
- High acquisition speed
- Remote control available
- Advanced patient protection technology
- More than 600 APR programs for doctor



Wandong New Oriental 1000 U-arm

Power	50 kW
Detector	CCD / FPD 43 x 43 cm
Pixel size	139 µm



Highlights

- High frequency 50 kW generator
- More than 600 APR programs for doctor's reference
- Compact U-arm mechanical structure with motorized rotation and vertical movements, saving installation space
- Full field, FPD or CCD detector, 17" x 17"
- InvaRay dig

Wandong New Oriental 1000

Power	50KW
kV Range	40~ 150kV
Detector	43 x 43 cm (17"×17")
Resolution	3.6 lp/mm



Highlights

- High frequency 50kW generator
- Integrated table and bucky design, easy shift of detector between table and stand
- Ceiling suspended tube assembly, electric vertical movement, manual horizontal movement along with ceiling rail, automatic tracking with the detector when in the mode of chest radiography
- Four-way-floating table
- 17"x17" FPD, detector pixel size 139µm
- InvaRay digital imaging platform
- DICOM 3.0

DR RETROFIT

Agfa HealthCare DX-D 35C

Detector	Wireless detector
Size	38.4 x 30.7 x 1.5 cm
Pixel pitch	125 µm



Highlights

- Ideal for exams that require a compact, light and easy-to-handle detector, including neonatal, pediatric and extremities exams
- Improves workflow and exam speed;
- Small pixels size gives more image information, for improved diagnostic confidence;
- MUSICA processing offers excellent contrast detail and exam-independent, consistent image quality;
- Excellent connectivity to PACS, HIS/RIS and imagers;
- Cesium Iodide (CsI) detector conversion screen.

Agfa HealthCare DX-D 10G / C Retrofit

System concept	Tethered
Detector	Choice of Cesium Iodide (CsI) or Gadolinium Oxy-Sulphide (GOS) detector conversion screens
Pixel size	139 µm



Highlights

- Offers convenience and portability
- Improves workflow and exam speed
- Superior connectivity to PACS, HIS / RIS and imagers
- Small pixel size gives more image information for improved diagnostic effectiveness
- MUSICA image processing for superior contrast detail and exam-independent, consistent image quality

Agfa HealthCare DX-D 30C 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

- Provides an easy way to go Direct Digital
- 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 CXDI-401C Wireless

Technology	Cesium Iodide Scintillator
Resolution	125 µm
Size	43 x 42 cm



Highlights

- High resolution and High Sensitivity
- Wireless flat panel detector
- Easy upgrade with just two components
- Includes Non-Synchronised exposure
- Large cassette size
- Preview image time in 5 sec
- Sophisticated image processing software
- Interchangeable between rooms

Canon CXDI-701C Wireless

Technology	Cesium Iodide Scintillator
Resolution	125 µm
Size	35 x 43 cm



Highlights

- High resolution and High Sensitivity
- Wireless flat panel detector
- Easy upgrade with just two components
- Includes Non-Synchronised exposure
- Universal cassette size
- Preview image time in 3 s
- Sophisticated image processing software
- Interchangeable between rooms

Canon CXDI-801C Wireless

Technology	Cesium Iodide Scintillator
Resolution	125 µm
Size	27.4 x 35 cm




Highlights

- Smaller, lighter – high resolution, low dose
- Wireless flat panel detector
- Easy upgrade with just two components
- Includes Non-Synchronised exposure
- Thin and lightweight – 2.3 kg (incl. battery)
- Small cassette size
- Preview image time in 3 s
- Sophisticated image processing software
- Interchangeable between rooms

Canon DR-Upgrade-witin-2-minutes

System concept	DR Upgrade within 2 minutes
Design	2 components
Resolution	125 µm
Cassette size	43x42, 35x43, 27.4x35




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.

DelftDI Easy DR

System concept	Floor mounted X-Ray system
Detector	Canon CXDI DR detectors




Highlights

Versatile solution for multi-purpose examinations

- Multipurpose floor mounted X-Ray system
- Suitable for mobile installations (i.e. truck or container)
- Vertical and horizontal positioning of the U-arm
- Retractable anti-scatter grid
- Acquisition station with DICOM calibrated touch screen display
- Integrated with Canon CXDI DR detectors
- Canon NE acquisition software with generator integration
- Possibility to swap wireless detectors between different DelftDI modalities

DelftDI Intuition DR

Design	Ceiling-suspended DR system Canon CXDI DR detectors Motorized height adjustable with floating tabletop
Detector	
Table	




Highlights

Versatile solution for all radiographic applications

- Optimized workflow for medium 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
- Integrated with Canon CXDI DR detectors
- Canon NE acquisition software with generator integration
- Possibility to swap wireless detectors between different DelftDI modalities
- Possibility to install in low ceiling X-ray rooms

FUJIFILM D-Evo G43i

System concept	Cassette size detector with irradiation side sampling (ISS)
Detector	GOS (gadolinium oxysulfide)
Size	460 x 460 x 15 mm (W x D x H)



Highlights

- Squared shaped – standard size 43 x 43 cm DR cassette
- Light weight 4 kg (including battery)
- 500 exposures or 3.5 h use per full battery charge – on the fly battery change
- 1 s switch between wired or wireless mode
- Automatic X-ray detection (SmartSwitch function)
- For table, upright and portable applications
- 2 s preview time – 8 s exposure cycle time
- Auto-recognition of the examination area and film sized trimming

FUJIFILM D-Evo C43i

System concept	Cassette size detector with irradiation side sampling (ISS)
Detector	CSI Scintillator combined irradiation side sampling (ISS)
Size	460 x 460 x 15mm (W x D x H)

Highlights

- Standard size 43 x 43 cm DR cassette
- Light weight 4.2 kg (including battery)
- 500 exposures or 3.5 h use per full battery charge – on the fly battery change
- 1 s switch between wired or wireless mode
- Automatic X-ray detection (SmartSwitch function)
- For table, upright and portable applications
- 2 s preview time – 9 s exposure cycle time
- Auto-recognition of the examination area and film sized trimming

**FUJIFILM D-Evo G35s**

System concept	Cassette size detector with irradiation side sampling (ISS)
Detector	GOS (gadolinium oxysulfide)
Size	384 x 460 x 14.8 mm (W x D x H)

Highlights

- For table, upright and portable applications
- Only 2.8 kg and 14 mm thick
- 3 s preview time
- 9 s exposure cycle time
- Imaging area: 35 x 43 cm
- ISS conversion method improves DQE & MTF significantly



Advanced X-ray
Measurements
Should be
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Phone: + 46 31 746 36 00
Fax: + 46 31 27 05 73

FUJIFILM D-Evo G35i	
System concept	Cassette size detector with irradiation side sampling (ISS)
Detector	irradiation side sampling (ISS) Detector
Size	384 x 460 x 14.8 mm (W x D x H)



Highlights

- Standard size 35 x 43 cm DR cassette – as thin as a regular X-ray cassette
- Light weight 3.3 kg (including battery)
- 750 exposures or 3.5 h use per full battery charge – on the fly battery change
- 1 sec switch between wired or wireless mode
- Automatic X-ray detection (SmartSwitch function)
- For table, upright and portable applications
- 2 s preview time – 11 s exposure cycle time
- Auto-recognition of the examination area and film sized trimming


FUJIFILM D-Evo C35i	
System concept	Cassette size detector with irradiation side sampling (ISS)
Detector	CsI Scintillator combined irradiation side sampling (ISS)
Size	460 x 384 x 15mm (W x D x H)



Highlights

- Standard size 35 x 43 cm DR cassette
- Light weight 3.6 kg (including battery)
- 500 exposures or 3.5 h use per full battery charge – on the fly battery change
- 1 s switch between wired or wireless mode
- Automatic X-ray detection (SmartSwitch function)
- For table, upright and portable applications
- 1 s preview time – 8 s exposure cycle time
- Auto-recognition of the examination area and film sized trimming

FUJIFILM D-Evo C24i	
System concept	Cassette size detector with irradiation side sampling (ISS)
Detector	CsI scintillator combined irradiation side sampling (ISS)
Pixel size	328 x 268 x 15mm (W x D x H)



Highlights

- Small Size 24 x 30 cm DR cassette
- As thin as a regular X-ray cassette
- Light weight 1.9 kg (including battery)
- 700 exposures or 4 hours use per full battery charge
- On the fly battery change
- 1 s switch between wired or wireless mode
- Automatic X-ray detection (SmartSwitch function)
- 1 s preview time / 7 s exposure cycle time

GE Healthcare FlashPad wireless detector	
Technology Detector	Cesium Iodide Scintillator
Size	2,022 x 2,022 pixel, 14 bit 41 x 41 cm



Highlights

- Advanced applications capability
- Ultra wide band communications
- High IQ, low dose
- Improved positioning
- More comfortable handling
- Advanced construction

Konica Minolta AeroDR 17" x 17"	
System concept	WLAN
Detector	CsI scintillator 17"x17"/ 43 x 43 cm
Pixel size	175 µm



Highlights

- Weighs only 3.6 kg
- Wireless
- High DQE CsI detector
- Preview within 2 seconds
- Unique workstation software functions

Konica Minolta AeroDR 14" x 17"	
System concept	WLAN
Detector	CsI scintillator 14"x17"/ 35 x 43 cm
Pixel size	175 µm



Highlights

- Lightweight, only 2.9 kg, for light handling
- Unique battery technology
- High quality images at a low dose
- ISO 4090 cassette sized detector for easy integration
- High DQE CsI detector
- 2 second preview

Konica Minolta AeroDR 10" x 12"

System concept	WLAN
Detector	AeroDR CsI FPD 10"x12" / 25 x 30 cm
Pixel size	175 µm

**Highlights**

- Very suitable for orthopaedic, paediatric and neonatal use
- Lightweight, only 1.7 kg
- Durable design
- Quick preview
- Low dose
- Unique battery technology prevents overheating

medigration DigiRoeb's wireless

Power	Battery / WLAN
Detector	a-Si, CsI Pixium, 35 x 43 cm
Pixel size	148 µm, 16 bit

**Highlights**

- Digital Radiography: The Next Generation
- High-quality digital images at low dose
- Real-time image processing within a few seconds (preview in 9 s)
- Easy integration in existing radiography systems
- Single touch screen console controls generator and acquisition software
- Superior image quality and contrast detail with medigration image processing software "HARMONY", (stitching for "long-leg" images as an option)
- DICOM services: print, store, query/retrieve, MPPS, WL

PROTEC RAPIXX 4336 MED

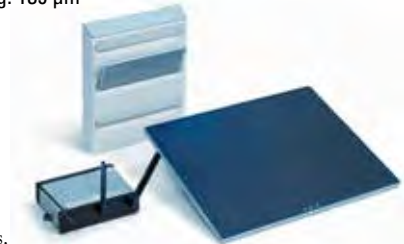
System concept	Portable, tethered
Detector	43 x 36 cm (ISO 4090 compliant), different scintillator versions
Pixel size	e. g. 139 µm

**Highlights**

- 16 bit dynamic range
- Cable connection, lightweight: 3.7 kg
- Minimal cycle time: 8 s
- 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 4336M WiFi

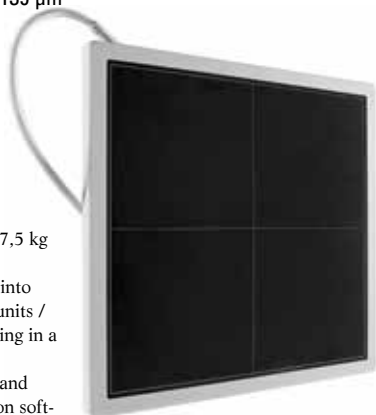
System concept	Wireless, portable detectors
Detector	43 x 36 cm (ISO 4090 compliant), different scintillator versions
Pixel size	e. g. 139 µm

**Highlights**

- Complete set of wireless detector incl. two batteries, interface box, CONAXX 2 DR-software (X-ray generator connection as option)
- Detectors are ISO 4090 compliant, thus existing bucky can be used in case of DR retrofit
- Just one flatpanel required for integration into bucky table and wall stand
- Outstanding detector performance
- 16 bit dynamic range and high DQE for excellent image quality
- Lightweight: 3.3 kg – Preview image 2 s

PROTEC RAPIXX 4343 MED

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, weight: ≥ 7,5 kg
- 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

PROTEC RAPIXX 4343MF WiFi

System concept	Wireless, portable detector with WLAN and Accu
Detector	43 x 43 cm, Gadoliniumoxide
Pixel size	150 µm - ISS Technology

**Highlights**

- 16 bit dynamic range – images in 3 s result in high productivity
- Wireless system connection (WiFi) – Portable and easy to handle: 4.8 kg
- Simple integration and upgrade into existing conventional X-ray units
- Outstanding flexibility: close at hand, close at patients, just one panel required for bucky table and wall integration
- Docking station, interface box, power supply and CONAXX image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

Roesys X Vision med

System concept	n/a
Detector	CSJ/a-Si 43 x 43 cm
Pixel size	143 µm

**Highlights**

X Vision med is a carefully selected package with both hardware and software for an initial installation or post hoc conversion of conventional x-ray facilities for use in direct digital radiography. A high-performance and cost-effective system for diagnostic imaging can be assembled in combination with suitable generators, x-ray devices and stands by our certified system partners and individually adapted to the actual requirements of the user.

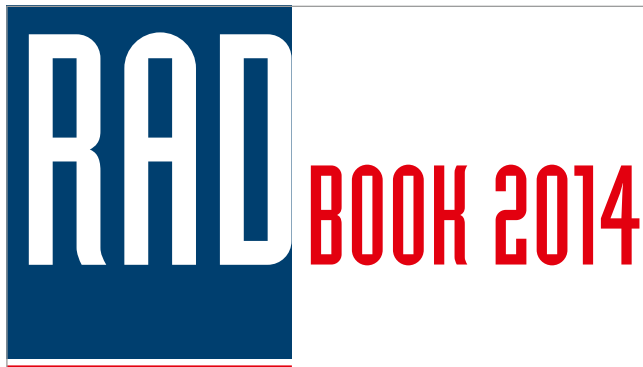
- Design: Digital radiography upgrade

Swissray ddR Portable

Detector	a-Si CsI, 35 x 43cm WIFI
Pixel size	148 µm
System concept	Leight weight 2.8kg

Highlights

- Innovative technology delivers excellent image quality
- Cassette size ISO 4090, only 15 mm thickness
- Automatically detects detector placement (table, wall stand or free exposures)
- 35 x 43 cm active image area, 25 image storage capacity
- Fast WIFI Image transmission
- Preview in 3 s, Fully processed image in less than 10 s
- Ergonomic handling thanks light weight of less than 2.8 kg
- Rechargeable batteries with 8 hours working time
- Very robust and solid design



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Toshiba Electron Tubes & Devices FDX3334RF

System concept	Dynamic flat panel detector
Detector	CsI/Tl / 33 x 34 cm
Pixel size	143 µm

**Highlights**

- For radiographic and fluoroscopic applications
- Toshiba's advanced and proven fine structured CsI / Tl and direct vapor deposition technology deliver higher Sensitivity and better resolution
- Achieves high quality fluoroscopic images through the Use of Toshiba's own high speed Real-time image processing the structure is Highly reliable and protected from degradation due to the Use of a UNIQUE moisture-proof sealing method for the CsI / Tl screen

Toshiba Electron Tubes & Devices FDX3543RP

System concept	Portable flat panel detector
Detector	CsI/Tl, 35 x 43 cm
Pixel size	143 µm

**Highlights**

- For radiographic applications
- Toshiba's advanced and proven fine structured CsI / Tl and direct vapor deposition technology deliver higher sensitivity and better resolution
- Achieves a raw image with low-noise through the use of Toshiba's own circuit technology
- The structure is highly reliable and protected from degradation due to the use of a unique moisture-proof sealing method for the CsI / Tl screen

Toshiba Electron Tubes & Devices FDX3543RPW

System concept	Wireless flat panel detector
Detector	CsI/Tl, 35 x 43 cm
Pixel size	140 µm

**Highlights**

- For radiographic applications
- Toshiba's advanced and proven fine structured CsI / Tl and direct vapor deposition technology deliver higher sensitivity and better resolution
- Achieves a raw image with low-noise through the use of Toshiba's own circuit technology
- The structure is highly reliable and protected from degradation due to the use of a unique moisture-proof sealing method for the CsI / Tl screen

Toshiba Electron Tubes & Devices FDX4343R

System concept | Static flat panel detector
Detector | CsI/Tl, 43 x 43 cm
Pixel size | 143 µm

**Highlights**

- For radiographic applications
- Toshiba's advanced and proven fine structured CsI / Tl and direct vapor deposition technology deliver higher sensitivity and better resolution
- Achieves a raw image with low-noise through the use of Toshiba's own circuit technology
- The structure is highly reliable and protected from degradation due to the use of a unique moisture-proof sealing method for the CsI / Tl screen

Villa Sistemi Medicali VDX 1400

System concept | Wired
Detector | a-Silicon detector with Gadox or CsI scintillator, 35 x 43 cm
Pixel size | 139 µm

Highlights

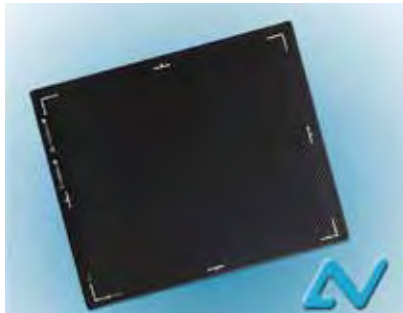
- Portable lightweight design flat panel fitting into existing bucky without modification
- Cost-effective solution, integrating a tether cable for both detector powering and image transferring
- Easy handling from chest stand to bucky table for upright, in-table, lateral and out of bucky exposures
- Increased workflow
- Enhanced productivity with Dicom classes compatibility

**MOBILE DR****Villa Sistemi Medicali VDX-air**

System concept | Wireless
Detector | a-Silicon detector with Gadox or CsI scintillator, 35 x 43 cm
Pixel size | 139 µm

Highlights

- Portable lightweight design fitting into existing bucky without modification
- Complete cordless positioning freedom, typical of a conventional cassette
- Straightforward integration into your facility's current space and workflow
- System equipped with battery charger and three batteries as standard
- Enhanced productivity with Dicom classes compatibility

**Agfa HealthCare DX-D 100**

Motorized Technology | up to 4 km/h
mAs Range | Wireless
kV Range | 100 - 500 mA selectable
 40 tot 150kVp

Highlights

- Mobile DR Solution
- Ergonomic and solid design for mobile use
- Easy operation, security and precision of all patient-related positioning movements
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- High effective generator power
- Fully motorized, with superior battery capacity due to split battery concept
- Wireless and tethered detectors available

**GMM ACCORD DR - Battery operated mobile DR unit**

Design | DR mobile unit
Detector | Wired or Wi-Fi
Motorized | Battery operated unit

Highlights

- An advanced, fully battery-operated, mobile unit for direct digital radiology.
- Specifically designed for the best and safest execution of general examinations on patients in bed: E.R. and orthopaedics, intensive care units, operating room and sports medicine.
- Monoblock provided with rotating anode double focus X-ray tube.
- Touch screen control panel featured by the utmost ergonomical design and intuitive controls.
- Powerful digital system for image acquisition and processing including flat panel digital detector available with different technology and in several formats, either with cable or Wi-Fi version.

**DelftDI Mobile DR**

Size | 43 x 35 cm
System concept | Lightweight and compact mobile DR solution
Detector | Canon CXDI DR detectors

Highlights

- Lightweight and compact mobile solution.
- Optimized workflow reduces steps and supports multiple study acquisition
- High efficiency with RIS integrated workflow
- Two speed motorized movement,
- Inch mover and all-free button for easy bedside positioning
- Integrated acquisition with large touch screen display
- Canon CXDI-70C Wireless 43 x 35 cm
- Optional Canon CXDI-80C Wireless 35 x 27 cm small size detector for pediatric and neonatology imaging
- Canon NE acquisition software with generator integration
- Possibility to swap wireless detectors between different DelftDI modalities



FUJIFILM FDR Go

Power 32 kW
Detector D-Evo Series (CsI Y GOS) 43 x 43, 35 x 43, 24 x 30 cm

Highlights

- Lightweight, manoeuvrable and reliable
- Full range of cassette sized FPD can be used anywhere in the hospital
- Easy to use, easy to learn
- Large touchscreen display
- Low tube lock down for easy drive visibility
- Excellent maneuverability for tight rooms- Speed-Link automates preferred dose settings

**FUJIFILM FDR Go Flex**

Detector GOS or CSI
Size 35 x 43, 43 x 43 and 24 x 30 cm

Highlights

- Fully portable complete wireless solution
- Move instantly between different x-ray and mobile units
- D-EVO Panel, Utility Box and Console
- "SmartSwitch" technology for automatic x-ray detection
- Fully battery powered
- Simple configuration, high portability
- Image preview approx. 2 s
- Full range of cassette sized FPD can be used anywhere in the hospital
- Connect up to 3 DR panels at same time

**FUJIFILM RX Evo - M**

Power 30kW or 40kW (option)
Detector D-Evo Series (CsI Y GoS) 43 x 43, 35 x 43, 24 x 30 cm

Highlights

- Lightweight, economical DR Mobile Solution
- Easy to use, easy to learn
- Full range of cassette sized FPD can be used anywhere in the hospital
- Swivel arm for easy bedside positioning
- Automatic selection of generator parameters
- Integrated Console Advance and D-Evo Panel Charging

**GE Healthcare Optima XR200amx**

Power 15 / 30 kW
kV Range 40 - 150
mAs Range 0.2 - 630

Highlights

- Digital-ready
- More power in a compact design
- 24/7 availability, no boot-up required
- Automatic charging
- Improved storage

**GE Healthcare Optima XR220amx**

Power 15 / 30 kW
kV Range 40 - 150
mAs Range 0.2 - 630

Highlights

- Advanced digital imaging, powered by Flashpad
- More power in a compact design
- 24/7 availability, no boot-up required
- Automatic charging
- Improved storage

**Konica Minolta AeroDR Portable Solution**

System concept WLAN
Detector AeroDR CsI FPD 14"x17" / 17"x17" / 10"x12"
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 3 seconds
- AeroDR panel sharing between portable unit and X-ray room



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

- Modern, fully digital mobile DR X-ray system with state-of-the-art design and operating concept:
- Optimized dose for maximum dose reduction with the digital high end DR-Detector
 - Premium system - 22" Touch Monitor with outstanding performances
 - 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 wireless**

Power	32 kW
Detector	Csl
Pixel size	125 µm

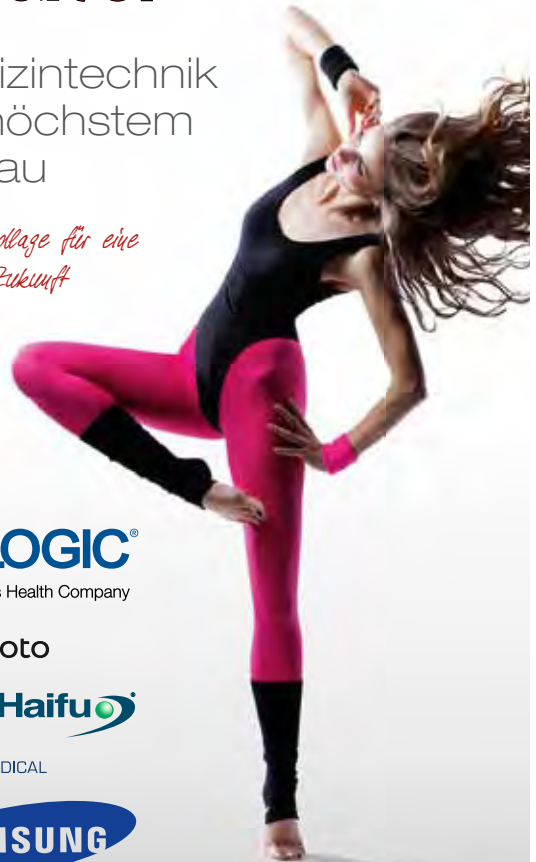
Highlights

- New high-sensitive FPD generation
- Imaging area of
 - 17" x 17" (43 x 43 cm)
 - 17" x 14" (43 cm x 35 cm)
 - 14" x 11" (35 x 27 cm)
- Dual connectivity of FPD for maximum efficiency
- X-ray images within 3 seconds
- Easy and advanced operating functions
- Fully DICOM compliant
- WLAN connectivity
- kV range: 40 – 133 / mAs range: 0.32 – 320

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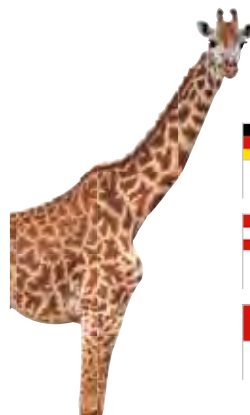
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Shimadzu MobileDaRt Evolution wireless pediatric

Power	32 kW
Detector	CsI
Pixel size	125 µm




Highlights

- High sensitive wireless FPD type CX-DI-801C (CsI, 14" x 11")
- Handling benefit through easy placement, i. g. in standard incubators
- X-ray images within 3 seconds
- Easy and advanced operating functions

- Fully DICOM compliant
- WLAN connectivity
- kV range: 40 – 133
- mAs range: 0.5 – 320

Siemens Mobilett Mira

Design	High-end, fully digital mobile X-ray system
Power	35 kW, 450 mA (max)
kV Range	40 - 133



Highlights

Reaching further in X-ray imaging.

- Choice of two detectors – wireless or wired
- Rotating swivel arm with industry-leading arm range for an almost unlimited range of examination positions
- Highest imaging power per footprint: Outstanding image quality in a highly compact system
- Ever-ready design (can work from mains power when batteries are empty)
- High-end workstation with a user friendly, intuitive interface
- Famous giraffe design as an option

STEPHANIX MOVIX 4/8 DReam

Power	4 / 8 kW
Detector	Wireless or detachable flat panel detector



Highlights

- Design for in / out door digital mobile unit
- Foldable system easy to ship
- Customizable interface with unlimited APR
- Instantaneous image display
- Operation field solution
- DICOM connectivity
- Up to two detectors in the same unit
- Choice of technology CsI or GOS

STEPHANIX MOVIX Series DReam

Power	from 20 to 50 kW
Detector	Wireless or detachable flat panel detector




Highlights

- Compact design and fully motorized
- Color LCD touch screen 17"
- Easy patient positioning with telescopic arm (125 cm)
- Customizable interface with unlimited APR
- Instantaneous image display
- Enhance workflow
- DICOM connectivity
- Shareable solution
- Up to two detector in the same unit
- choice of technology CsI or GOS

Swissray Swissray ddRCruze Plus

Power	32 / 40 / 50 kW
Detector	a-Si CsI, 35 x 43cm WIFI, 2.8kg
Pixel size	148 µm
System concept	2nd workstation




Highlights

- Very compact and easy to maneuverable motorized mobile X-ray system with variable speed
- Robust design with powerful high frequency X-ray generator and tube
- 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 2nd monitor for quick image review
- Built in navigation-camera to overview the way you drive
- Light weight 35 x 43 cm portable detector (a-Si CsI / WIFI) which delivers superb diagnostic image quality and maximum workflow efficiency

Technix TMB 300 / TMB 300 CR / TMB 300 DR

System concept	battery mobile x-ray unit
Power	32 kW
Motorized	yes
Image system	available in analog, CR and DR configuration



Highlights

- Battery-motorized unit for easy maneuvering and bedside positioning
- Battery powered x-ray exposures
- Telescopic arm
- Anatomical programs
- Pediatric filters
- The system is available in the following versions:
 - TMB 300 (analog version, easily upgradable to DR configuration);
 - TMB 300 CR (with integrated computed-radiography reader, 19" touch screen user interface, full DICOM connectivity + WLAN);
 - TMB 300 DR (interfaceable with multiple detectors and imaging softwares, 19" touch screen user interface, full DICOM connectivity + WLAN)

Technix TMS 300 DRH

System concept	mobile X-ray system for radiology @ home
Power	30 kW
Motorized	yes
Image system	analog or digital configurations available

Highlights

- X-ray system for home-based radiology
- 30 kW power for performing any kind of examination
- Small footprint for easy maneuvering
- Motorized tracks for easy transport on stairs
- Sturdy wheels for moving on long distances or uneven surfaces
- DR technology for high quality images
- Tablet PC interface ensures ease of use and portability
- Several detectors and imaging softwares can be interfaced
- Immediate exam review and transmission to the reference hospital
- "DR Liz" customization on request



Technix TMS 320 / TMS 320 DR

System concept	mobile x-ray unit
Design	compact design, lightweight
Power	32 kW
Image system	available in analog and DR configuration

Highlights

- Light and maneuverable unit with small footprint for easy positioning at the patient's bed
- Dual focal spot (0.8 / 1.3 mm) for multipurpose application
- Pediatric filters
- Anatomical programs
- The system is available in the following versions:
 - TMS 320 (analog version, easily upgradable to DR configuration)
 - TMS 320 DR (digital version, 19" touchscreen user interface, full DICOM connectivity + WLAN, multiple detectors and imaging softwares can be interfaced)



Toshiba IME-2000D

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

- New 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
- Integrated 19" LCD touch screen user interface
- Full DICOM connectivity



Villa Sistemi Medicali Visitor T30 DR

Motorized	No
Power	30 kW
Detector	Wired or wireless flat panel detector, 35x43 cm
Pixel size	139 µm

Highlights

- Flexible mobile DR unit with ± 90° rotating arm for two bed access without system repositioning
- High performance X-ray generator, tubehead with double focal spot (0.8 / 1.3 mm)
- Large 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. 30kW Digital Mobile X-ray Unit – PXD2000

kV Range	40~125kV
Detector	FPD Detector Size: 14"×17"
Pixel size	139µm
Power	30KW

Highlights

- PXD series mobile DR 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. Digital high frequency generator, Ergonomics designed, compact structure, Large 17" color Touch Screen-control, easy to operate, maintain and move. Error auto-diagnostic function and digital interface facilitate to equip with digital image collection & storage workstation.



FLATPANEL FLUORO

Agfa HealthCare DX-D 800

Power	65KW high frequency generator
Table	Remote controlled table
Detector	large field flat panel detector

**Highlights**

- Fully robotized R & F solution
- Visual viewfinder for easy, radiation-free positioning
- Combination with ceiling unit is possible

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
 - "Smart access" table position for easy patient transfer
 - Head-to-toe patient coverage
 - Variable table height, variable SID for all clinical examinations (max. 180 cm)
 - Customizable pediatric protocols
 - Single acquisition station with large display for fluoroscopy and radiography
 - Canon CXDI-50RF portable DR/RF detector
 - Optional Canon CXDI detectors
 - Canon RF acquisition software with generator integration



DelftDI Uromat RF

Design	Floor mounted urology RF system
Detector	Canon CXDI CsI RF 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
 - Easy to clean
 - Single acquisition station with large display for fluoroscopy and radiography
 - Canon CXDI-50RF portable DR/RF detector
 - Canon RF acquisition software with generator integration



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Mecall EIDOS RF 439 - 90/90 Remote-controlled table

Detector	a-Si
Resolution	148 μ m
Size	43 x 43 cm; 35 x 43 cm Wi-Fi; 24 x 30 cm Wi-Fi

Highlights

- State-of-the-art system with single removable grid with exclusive auto-focusing device.
- Innovative completely overhanging carbon-fibre tabletop allowing examination of patient from any side.
- Adjustable height-tabletop for an extraordinary minimum distance from the floor of only 50 cm;
- Ample variable Focal Distance.
- Full-length patient examination in both vertical and horizontal position with possibility of stitching function.
- Full integration with optional ceiling suspension and Wi-Fi detector.



GMM OPERA Swing

Detector	Amorphous silicon photodiodes array
Pixel size	148 μ m
Size	43 x 43 cm

Highlights

- Highly integrated revolutionary all-in-one system ensuring enhanced examinations in digital RAD and Fluoro procedures.
- Extraordinary user-friendliness combined with unmatched operational efficiency in any application (E.R., digital angiography, digital Tomosynthesis, column and lower limbs Stitching, ect.).
- Efficient execution of any exam either on its completely overhanging tabletop or in direct contact with the detector. Easy and precise execution of lateral projections and oblique incidences also on stretchers.
- Intelligent user interface integrating all the system components' controls in a unique advanced touch screen.



Primax International NIKAIÄ DRF

Detector Power Design | 43 x 43 cm a-Si dynamic flat panel
Up to 80kW
+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 Detector Pixel size | 80 kW / 65 kW
Dynamic flat panel detector (CsI), 17" x 17" (43 x 43 cm), 3.6 Lp/mm"
139 µm

Highlights

- Premium multipurpose R/F system with dynamic flat panel detector
- SUREngine technology: realtime image enhancement processing
- Digital tomosynthesis for general radiography
- Slot radiography
- Angiography option
- Comprehensive dose management package



Shimadzu Flexavision F3

Power Detector Pixel size | 50 / 80 kW
Flat panel detector (a-Si), 14" x 17" (35 x 43 cm)
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 Detector Resolution | Multi-purpose flat detector fluoroscopy and angiography system
2 k a-Si with CsI Scintillator
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



Siemens new Luminos dRF Max

Design Detector Size | Remote-controlled R/F system
a-Si / CsI
43 cm x 43 cm

Highlights

- Luminos dRF Max – Taking 2-in-1 to the MAX in radiography and fluoroscopy
- The first 2-in-1 system for
 - Safer use – with a 48 cm table height and SmartTouch
 - Sharper imaging – with a 43 cm x 43 cm MAX dynamic detector
 - Stronger synergies – with MAXswap and 2-in-1 efficiency in radiography and fluoroscopy



Siemens Luminos Agile Max

Design Detector Size | Digital patient-side-controlled R/F system
a-Si / CsI
43 cm x 43 cm

Highlights

- Luminos Agile Max – A more RADical way in fluoroscopy
- The first patient-side system with a:
 - Safer use with a height adjustable table – 65 cm – 112 cm (26" – 44")
 - Sharper imaging – with a MAX dynamic flat detector 43 cm x 43 cm (17" x 17")
 - Stronger synergies with MAX dual use in radiography and fluoroscopy
 - Further highlights:
 - Ysio Max option for radiography with ceiling mounted tube, unique MAX align, the option to automatically align the detector angle, MAX mini and MAX wi-D detectors (options), and optional detector sharing
 - Excellent patient access from all sides
 - Dose reduction with CARE features (option)



Siemens Luminos Fusion

Design	Digital remote-controlled R/F system
Detector	a-Si / CsI
Size	43 cm x 43 cm




Highlights
Luminos Fusion – The 2-in-1 system that fits your needs and fits your budget.

- 43 cm x 43 cm – large distortion-free flat detector images
- SmartTouch – improves safety for patients and staff
- CARE – outstanding dose reduction without compromising image quality
- 2-in-1 efficiency – increased system utilization saves time, space and costs
- 1 customer experience – with 1 platform family combining technologies from our high-end systems

STEPHANIX D²RS

Power	up to 80 kW
Detector	dynamic CsI Flat Panel Detector




Highlights

- Unique solution to proceed to radiography, fluoroscopy and direct projections
- Video camera for patient positioning without radiation
- Unmatched patient coverage
- Easy patient transfer with smart access 120 cm for a real back access
- SID up to 180 cm to emphasize the flexibility of the system
- Patient weighing up to 310 kg and 250 kg without any restrictions
- Comprehensive and intuitive user interface
- Stitching capability
- Tomosynthesis, DSA capability
- DICOM connectivity
- Additional detectors and 2nd tube on OTS

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 the following applications, which are given as examples.
 - Contrast-enhanced studies of the digestive tract, endoscopic studies
 - Non-vascular contrast-enhanced studies
 - Non-vascular interventional radiology
 - Vascular contrast-enhanced studies of the head, neck, abdomen / lower extremities
 - Vascular interventional radiology of the abdomen and extremities

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

- The digital remote control R/F system Zexira is mainly suitable for use in gastrointestinal examinations and the following X-ray examinations.
 - Contrast-enhanced studies and endoscopic studies of the digestive tract
 - General radiography (general abdominal / skeletal radiography)
 - 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 / lower trunk and cervical spine, etc.)
 - Vascular IVR (simple angioplasty, maintaining the dialysis paths, etc.)

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 technology, allowing 4-side access to the patient
- Standard carbon fiber tabletop
- Full patient exploration by moving only the tube-receptor assembly, without patient repositioning
- Standard Auto Grid Selection function and automatic Stitching option
- Oblique projections at table edges and bar-less tomography
- 180 cm Source to Image Distance (SID)
- User-friendly Touch Screen console

Villa Sistemi Medicali Apollo DRF

Power	65 - 80 kW
Detector	Dynamic flat panel detector, 43 x 43 cm
Pixel size	148 µm



Highlights

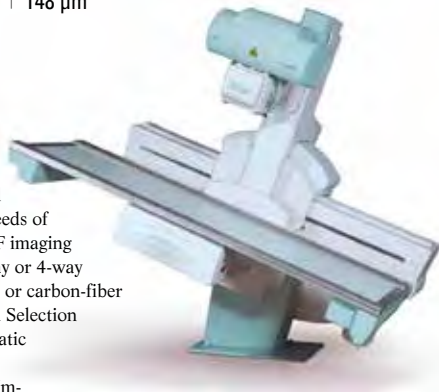
- Premium digital remote controlled system for full clinical coverage: radiography, arthroscopy, G.I., urology, angiography, flebography
- Full patient exploration by moving only the tube-receptor assembly, without patient repositioning
- Standard Auto Grid Selection function and automatic Stitching option
- Oblique projections at table edges and bar-less tomography
- 180 cm Source to Image Distance (SID)
- User-friendly touch screen console

Villa Sistemi Medicali Apollo EZ DRF

Power Detector	65 - 80 kW
Pixel size	Dynamic flat panel detector, 43 x 43 cm 148 µm

Highlights

- Compact and cost-effective digital system for all the needs of radiographic and RF imaging
- Available with 2-way or 4-way flat tabletop, plastic or carbon-fiber
- Standard Auto Grid Selection function and automatic Stitching option
- Variable Source to Image Distance (SID): up to 180 cm
- Oblique projections at table edges and bar-less tomography
- User-friendly touch screen console

**Wandong DRF Series**

System concept	80 kW digital radiography and fluoroscopy system
Detector	40 x 30 cm FPD
Pixel size	194 µm

Highlights

- Advanced FPD detector
- High frequency 80 kW generator
- Large size detector brings larger display area
- Clear dynamic image without distortion
- High acquisition speed
- Changeable SID
- Available for both digital radiography and fluoroscopy
- Powerful image processing function

**ACCESSORIES****Xingaoyi (XGY) XGY-Gemini-DRF-4343**

mAs Range	Photography electric current 10 800mA/Fluoroscropy electric current 0.5 6mA
Image system	photography voltage 40 150kV/Fluoroscropy voltage 40 125kV
Pixel size	Operation system Microsoft Windows XP/ Dual-core processor/Memory≥2G/Monitor 1024×768
kV Range	Pixel size 148µm×148µm

Highlights

- XGY-Gemini-DRF-4343 goes beyond the separation between radiography and fluoroscopy.
- The large 43cm 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.

**Dunlee Smit Röntgen Grids**

smit
RÖNTGEN

**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

Hologic Discovery DEXA (fan beam) Bone Densitometer**Highlights**

Early detection and treatment of osteoporosis can mean a lifetime of strength for all of your patients. The Hologic Discovery DXA system is the key to early detection.

- Exceptional precision and accuracy
- High Resolution Digital Detector Array to improve fracture detection and to visualize abdominal aortic calcifications.
- Discovery imaging technology captures the hip and spine with as fast as 10-second regional scanning time.
- Exclusive design utilizes a high resolution detector array paired with true fan-beam linear acquisition geometry.
- Continuous automatic calibration, ensuring precise measurements results from exam to exam.

**Hologic Horizon DEXA (fan beam) Bone Densitometer****Highlights**

The Horizon bone densitometer platform for osteoporosis, cardiovascular disease, and obesity assessment is designed from the bottom up to include the latest in technical capabilities and workflow efficiencies for now and for the future

- 10-15-second femur scan that allows clinicians to visualize potential atypical femur fractures
- High Resolution Ceramic Digital Detector Array - Ultrafast, high output, low noise ceramic detectors that provide better bone mapping and image
- High Frequency Pulsing Power Supply.
- Hologic's full size X-ray tube
- A Dynamic Calibration System for greater long-term measurement stability



I.A.E. RTC 600**Highlights**

- Rotating anode graphite X-ray tube, specifically designed for remote controlled table and digital systems.
- High anode heat storage for repeated loading
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- Ground glass window for consistent HVL
- Variety of available housings allows flexible systems configurations

Konica Minolta AeroDR Auto-Stitching System**Detector** | AeroDR 14"x17"**Highlights**

- Unique and easy to use
- Can be used with any X-ray system
- AeroDR CsI FPD 14"x17"
- Effective image size after stitching: up to 35 x 120 cm
- No markers required

PTW NOMEX System – True Precision. PTW.**Highlights**

- CE marked, class IIb certified DOSIMETRY SYSTEM, fully compliant with IEC 61674
- Comprises NOMEX DOSEMETER and MULTIMETER (simultaneously captures all dose values, PPV, kVmean/max, TF, HVL, frequency, pulses and waveforms)
- Shadow-free ion chambers or semi-conductor detectors can be connected for no interferences with the AEC acc. to IEC 60601-2-54
- Software menu in Chinese/English/French/German/Italian/Japanese/Portuguese/Russian/Spanish
- Stored data and waveform export as XLS file via USB or BT
- Accessories: CE marked, class I certified PHANTOMS available: NORMI RAD/FLU, NORMI 3D, NORMI 13

Varian Infi Med – i5DR Digital Imaging**Highlights**

- Installs in new or existing rooms and mobile X-ray systems
- Supports all Varian RAD panels including:
 - PaxScan 4343R
 - PaxScan 4336R portable
 - PaxScan 4336X
 - PaxScan 4336W Wireless Detector
- Can be free standing or integrated with OEM system controls
- Designed and developed to optimize image quality and dose efficiency

Varian Infi Med – Nexus Digital Imaging**Highlights**

- Combines RF and DR capabilities on one platform
- Can be fully integrated with OEM system controls
- Supports all Varian fluoroscopic panels including the new PaxScan 4343CB RF panel
- Designed and developed to optimize image quality and dose efficiency

RAD

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MOLECULAR IMAGING

SIEMENS



GE Healthcare

Alliance
Medical




AGITO
MEDICAL

Medicor

SPECT

GE Healthcare Brivo NM 615	
System sensitivity	270 cpm/ μ Ci
Energy resolution (NEMA)	9.8 %
FOV	540 x 400 mm




Highlights

- Dual head performance from a single head system
- Excellent image quality based on advanced Elite NXT detectors
- Exceptional productivity enabled through evolution ½ time planar and SPECT scans options¹
- 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 (subject to appropriate site preparation)

¹ Compared to standard protocols without Evolution

GE Healthcare Discovery NM 530c	
System sensitivity	1,300 cpm/ μ Ci
Energy resolution (NEMA)	6.2 %
FOV	-




Highlights

Alcyon 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/ μ Ci
Energy resolution (NEMA)	9.8 %
FOV	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
- Exceptional productivity enabled through evolution ½ time planar and SPECT scans¹
- Slim-profile, wide-bore, fast and flexible robotic gantry design for exceptional clinical versatility
- Outstanding capability to image at half the patient dose without compromising image quality
- Upgradeability path to SPECT / CT: Optima NM / CT 640 or Discovery NM / CT 670 (subject to appropriate site preparation).

¹ Compared to standard protocols without Evolution

GE Healthcare Discovery NM 750b	
System sensitivity	-
Energy resolution (NEMA)	6.5 %
FOV	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 cancers⁴
- Tracers with indication for breast cancer diagnosis
- Powered by Xeleris 3 advanced tools and optional packages

⁴ Deborah J. Rhodes, Carrie B. Hruska, Stephan W. Phillips, Dana H. Whaley, and Michael K.O'connor, Dedicated Dual-Head Gamma Imaging for Breast Cancer Screening in Women with Mammographically Dense Breasts, Radiology 100625; Published online November 2, 2010, doi 10.1148/radiol.10100625

*study was performed using detector prototype of Discovery NM 750b

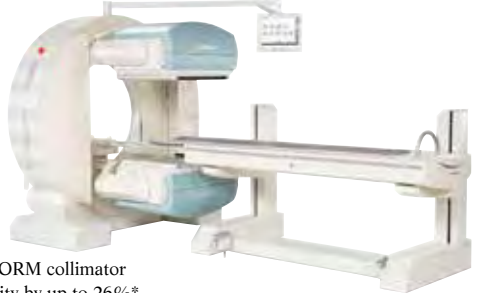
Siemens c.cam	
System sensitivity	202 cpm/ μ Ci (LEHR 3/8" at 10 cm)
Energy resolution (NEMA)	<= 3.7 mm
Field of View	FWHM in UFOV 370 x 214 mm



Highlights

- Dedicated cardiac system
- Reclining chair increases patient comfort and helps improve image quality
- syngo MI Cardiac quantitative packages
- Easy installation and use

Siemens Symbia E	
System sensitivity	202 cpm/ μ Ci (LEHR 3/8" at 10 cm)
Energy resolution (NEMA)	<= 3.8 mm
Field of View	FWHM in CFOV 533 x 387 mm




Highlights

- Siemens AUTOFORM collimator increases sensitivity by up to 26%*
- Small footprint enables installation in most hospital settings
- Flash 3D iterative reconstruction enables half dose or half time imaging
- Siemens autocontour infrared sensor technology automatically minimizes detector-to-patient distance for optimal SPECT resolution

* Based on competitive literature available at time of publication. Data on file.

Siemens Symbia S

System sensitivity	202 cpm/μCi (LEHR 3/8" at 10 cm)
Energy resolution (NEMA)	<= 3.8 mm
FOV	FWHM in CFOV 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*

Field of View	53.3 x 38.7 cm
Energy resolution (NEMA)	<= 3.8 mm FWHM in CFOV
System sensitivity	202 cpm/μCi (LEHR 3/8" at 10 cm)



Highlights

- Symbia Intevo offers higher image resolution as compared to conventional SPECT•CT, enabling physicians to better distinguish between degenerative disease and cancer
- It is the first and only system to enable accurate and reproducible quantitative SPECT data
- CARE Dose4D enables up to 68% lower CT dose** and IQ•SPECT up to 80% lower injected dose** as compared to conventional technology to assist in reducing long-term patient radiation risk
- Automated Quality Control, Automated Collimator Changer and IQ•SPECT are unique productivity features that can save time and 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

System sensitivity	270 cpm/μCi
Energy resolution (NEMA)	9.8 %
FOV	540 x 400 mm



Highlights


All great capabilities of Discovery NM 630 plus:

- Full diagnostic BrightSpeed Elite 8 or 16 slice CT for localization and diagnostic CT studies
- Designed to enable 16 min Whole body + Hybrid SPECT/CT scan
- CT Dose management with ASiR2
- IQE³ enables more coverage w/ fewer artifacts
- CT Calcium Scoring and Angio functionality
- Expanded NM dose management Evolution Toolkit

³ May enable improvement in image quality by reducing helical artifact in thin-slice helical scanning

GE Healthcare Optima NM/CT 640

System sensitivity	270 cpm/μCi
Energy resolution (NEMA)	9.8 %
FOV	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

Siemens Symbia Intevo Excel*

Field of View	53.3 x 38.7 cm
Energy resolution (NEMA)	<= 3.8 mm FWHM in CFOV
System sensitivity	202 cpm/μCi (LEHR 3/8" at 10 cm)




Highlights

- SPECT with integrated CT for attenuation correction and lesion anatomical localization
- Flash 3D enables up to 45% higher reconstructed resolution** than conventional SPECT 3D iterative reconstruction
- Largest CT field-of-view*** (70 cm reconstructed) enables physicians to more accurately localize lesions
- IQ•SPECT enables up to 80% lower injected dose** or imaging time as compared to conventional technology, therefore increasing patient comfort and satisfaction

* Symbia Intevo Excel 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.

Siemens Symbia T Series

Field of View	53.3 x 38.7 cm
Energy resolution (NEMA)	<= 3.8 mm FWHM in CFOV
System sensitivity	202 cpm/μCi (LEHR 3/8" at 10 cm)




Highlights

- SPECT•CT with integrated diagnostic stand-alone CT
- Symbia provides best-in-class image quality with industry-leading NEMA sensitivity of 202 cpm/μCi
- 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
- Upgradable to 6- and 16-slice spiral CT

* Based on competitive literature available at time of publication. Data on file.

GE Healthcare Discovery PET/CT 710

Resolution	2 mm (w.SharpIR)
Sensitivity	7.5 cps/kBq
FOV	70 cm




Highlights
Leading edge technology for advanced applications and demanding academic practices

- 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 fl exibility
- LBS detector design

GE Healthcare Discovery PET/CT 610


Resolution	2 mm (w.SharpIR)
Sensitivity	10 cps/kBq
FOV	70 cm



Highlights
PET/CT solution with all-around performances in oncology, cardiology & neurology

- Low dose¹ and fast scans, high sensitivity, optimized for F18
- Treatment assessment and quantitative consistency with Q.Suite
- Advanced treatment planning & Motion management
- Q.Core for dedicated PET reconstruction
- Clinical research capability
- CT fl exibility
- BGO detector design


¹ The ASiR reconstruction algorithm may allow for reduced mA in the acquisition of diagnostic images, thereby reducing the dose required. In clinical practice, the use of ASiR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.



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Siemens Biograph mCT Flow*

Gantry Opening	78 cm
Field of View	up to 221 mm (axial)
Volumetric Resolution	87 mm ³



Highlights

- Only PET•CT where planning and scanning is based on a single continuous table motion
- Finest detail in every organ with industry's highest vol. resolution of 87 mm³**
- Can lead to 25% less scan time per patient with single scan protocol using motion management
- Whole-body PET scan in only 5 minutes
- Accurate and reproducible quantification in all dimensions enables a more confident interpretation
- Zero overscan and lowest dose reduces radiation risk enabling


more utilization of PET•CT for treatment monitoring

- Improved patient comfort with 78 cm bore and patient's continuous sense of scan progress

* 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 competitive literature available at time of publication. Compared to PMT-based devices. Data on file.

Siemens Biograph mCT

Volumetric Resolution	87 mm ³
Gantry Opening	78 cm
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 87 mm³
- Whole-body PET scans in only 5 minutes
- Lowest possible dose and high-speed workflow enabled by FAST CARE technologies
- Increase revenue with a 78 cm bore and state-of-the-art CT combining precise anatomic and metabolic imaging for radiation therapy

* Based on competitive literature available at time of publication. Compared to PMT-based devices. Data on file.

Siemens Biograph mCT 20 Excel

Volumetric Resolution	87 mm ³
Gantry Opening	78 cm
Field of View	up to 164 mm (axial)



Highlights

- Affordable performance
- Industry-leading PET resolution* of 87 mm³ for lesion visualization, including small tumors
- Accurate SUV quantification and full HD lesion detection with motion-frozen images
- One-click gating integrated in daily routine
- Image virtually all patients** with unique 78 cm wide bore and short tunnel
- Increase referral base with molecular resolution for bariatric and radiation therapy patients
- 24/7 proactive monitoring ensures maximum uptime

* Based on competitive literature available at time of publication. Compared to PMT-based devices. Data on file.
** Patients up to 227 kg / 500 lb

PEM

Medicor NAVISCAN PEM

System sensitivity	1.6 cps/kBq
Energy resolution (NEMA)	13%
Field of View	23.2 cm axial



Highlights

The Naviscan PEM scanner is the only high resolution PET scanner specifically optimized to provide metabolic visualization of abnormal breast tissue. The scanner works as an adjunct to conventional imaging procedures to detect, stage and manage breast cancer more accurately than ever before. Through a unique combination of gentle immobilization, advanced photonics and image processing, Positron Emission Mammography (PEM) allows to enhance early detection by identifying lesions smaller than 1.6 mm.

PET-MR

Siemens Biograph mMR

System sensitivity	13.2 cps/kBq
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

AGITO MEDICAL Mobile Rental Solutions



Highlights

AGITO Medical offers a wide selection of customized medical trailers and modular buildings, available for short- and long-term rental.

- GE Lightspeed VCT 64 Trailer
- GE Lightspeed 16 Pro Trailer
- GE Optima MR360 Advance 1.5T Trailer
- GE Excite HDxT 25.x 1.5T Trailer
- Siemens Magnetom Avanto 1.5T Relocatable
- GE Signa HD 1.5T Relocatable
- Siemens Magnetom Symphony 1.5T Relocatable
- Philips Gemini GXL16 Trailer
- GE Innova 2000S Trailer
- Additional systems available on request

Alliance Medical flexibel diagnostic imaging services



Highlights

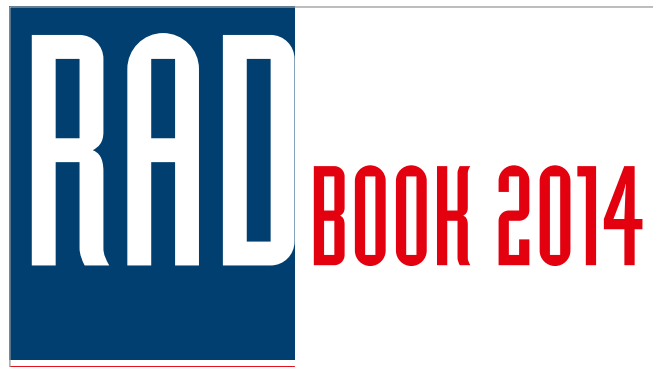
- Static diagnostic imaging centers MRI, CT, PET, PET / CT
- Interim services for bridging downtimes
- Regular "routing" services

Alliance Medical modular building solutions



Highlights

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



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DISPLAYS / PRINTERS

NEC

AGFA 
HealthCare

BARCO

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 DOME
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SECTRA

TOTOKU



The new great in the EIZO multi-modality series:

The RadiForce® RX650

The RadiForce RX650 widescreen monitor is the latest addition to the EIZO multi-modality monitor series.

EIZO multi-modality monitors allow users to display images of different detection methods in parallel and arrange them flexibly. The display color remains consistent and there is no annoying split screen. This allows medical professionals to work extremely efficiently and prevents fatigue.

The 6 megapixel screen of the RadiForce RX650 provides enough space to display numerous applications at once, making it an effective replacement for a dual 3 megapixel monitor setup. In addition, medical professionals can conveniently view images side-by-side without the obtrusive bezels typically found in a multi-monitor environment. The monitor gives users full control of the layout on screen to streamline the radiology workflow.

The RadiForce RX650's new design saves more space than a typical multi-monitor setup to make the work area more efficient. In addition, the narrow space between the bezels and the screen also make cleaning easy.

To meet DICOM Part 14 international standards, EIZO carefully measures and sets each grayscale tone on the

production line for the most consistent shadings possible. With the RadiForce RX650, both monochrome and color images can be viewed at individually optimized brightness levels and tones using EIZO's Hybrid Gamma feature to expand the usability of multi-modality applications.

An Integrated Front Sensor (IFS) housed within the front bezel performs convenient, hands-free quality control calibration to dramatically cut the workload and maintenance costs associated with maintaining monitor quality control. While in use, the sensor does not interfere with the viewing area.

The RadiForce RX650 comes equipped with an LED backlight that offers a significantly longer service life over a conventional CCFL backlight. The use of LED saves energy and cost while also achieving a high typical brightness of 400 cd/m² for excellent visibility. In addition, the LED backlight is mercury-free for minimal impact on the environment. The new model also has a low energy consumption, low thermal output as well as a five year guarantee.

All in all, this leads to only one di-

agnosis: the new RX650 is the perfect multi-modality monitor for medical use.

www.eizo.com

EIZO RadiForce RX650 – the most important facts at a glance:

- 30-inch 6 megapixel widescreen LCD
- Flexible hanging protocols
- Excellent homogeneity
- Color diagnostic monitor for class A
- LED backlight
- Integrated sensor for automated calibration
- Low electricity consumption and low energy emission
- 5 year warranty

RADBOOK 2014

DISPLAYS - MAMMO

Barco Mammo Tomosynthesis 5MP

Panel size	21"
Resolution	5 MegaPixel (2048 x 2560)

**Highlights**

- Grayscale IPS Wideview LCD
- Approved for digital mammography and breast tomosynthesis
- Facilitates multi-frame breast imaging studies without blurring
- 4x brightness boost for inspection of subtle details or comparison with film-based priors
- Ultra-precise image representations and elimination of quantization artifacts
- Free MediCal QAWeb licence for automated QA & calibration
- 5-year warranty incl. front sensor

Barco Coronis 5MP Mammo

Panel size	21"
Resolution	5 MegaPixel (2048 x 2560)
Max. luminance	1,600 / 2,100 cd/m

**Highlights**

- Grayscale IPS Wideview LCD
- High resolution, high contrast and perfect geometry
- Pixel-perfect diagnostic precision without disturbing screen noise
- Uniform luminance across the entire screen center to corner
- Free MediCal QAWeb licence for automated QA & calibration
- 5-year warranty incl. front sensor

NDSsi Dome S10

Max. luminance	1250 cd/m ²
Pixel matrix	10 MP
Panel size	30"

**Highlights**

- Premium 10MP Diagnostic Grayscale Display
- Enables the next advancement for mammography with the brightness & speed for tomosynthesis.
- Capable of showing two 5MP images for back-to-back chest wall reads.
- RightLight-guaranteed lifetime DICOM calibration
- Uncompromised perfect image quality
- Diamond standard for high-end radiology and mammography
- Fanless display, lightweight, low-power
- High-bright 5 MP 10-bit grayscale display
- 10 MP in a 30" widescreen format, true 10-bit high-resolution grayscale glass
- Improves workflow efficiency
- Programmable quality assurance function reduces panning & zooming

NDSsi Dome E5

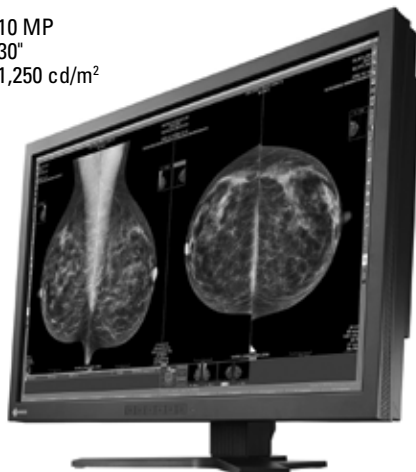
Max. luminance	1100 cd/m ²
Pixel matrix	5 MP
Panel size	21,3"

**Highlights**

- 5MP Diagnostic Grayscale Display for Mammography, built for the most demanding diagnostic applications, including mammography, CR, and DR
- RightLight-guaranteed lifetime DICOM calibration
- Uncompromised, perfect image quality
- Diamond standard for high-end radiology and mammography
- Fanless display, flexible, lightweight, low-power design
- High-bright 5 MP 10-bit grayscale display
- Dome displays remain in perfect DICOM calibration for the life of the display.
- No additional field calibration is ever necessary.
- You simply open the box, plug it in, and you're ready.

EIZO RadiForce GX1030

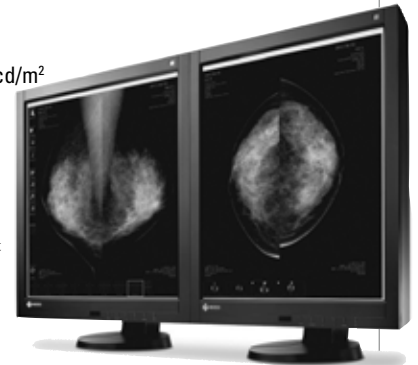
Pixel matrix	10 MP
Panel size	30"
Max. luminance	1,250 cd/m ²

**Highlights**

- Finest details with mono-pixel design
- Like two 5 MP monitors in one, bezel-less configuration
- DICOM part 14 factory adjustment
- Brightness uniformity for a steadier image across the screen
- Customer assurance with medical standards

EIZO RadiForce GX540


Pixel matrix	5 MP
Panel size	21,3"
Max. luminance	1,200 cd/m ²

**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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- 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 MD215MG

Pixel matrix	5 MP
Resolution	2560 x 2048
Panel size	21"




Highlights

- The NEC MD215MG flat panel display systems are suitable for displaying and viewing of digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography and mammography.
- Up to 1024 simultaneous shades of grey – out of a palette of 3826
- Front sensor system – for latest QA conformance capability.

NEC Grayscale Diagnostic Display MD211G5

Pixel matrix	5 MP
Resolution	2048 x 2560
Panel size	21"

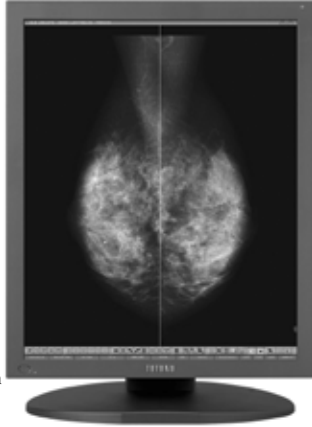


Highlights

- The NEC MD211G5 flat panel display systems are suitable for displaying and viewing of digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography and mammography.
- Up to 1024 simultaneous shades of grey – out of a palette of 12277
- Front Sensor and LED backlight system – for long lasting stable luminance

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

Panel Technology	IPS
Resolution	2,048 x 2,560 / 2,048 x 7,680 (with ISD)
Panel size	21,3"




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

DISPLAYS - GRAYSCALE

Barco Coronis Family

Panel size	20" / 21"
Resolution	3 MP / 5 MP
Max. luminance	1,650 / 1 000 / 1,100 cd/m



Highlights


- Diagnostic color display systems. Color and grayscale LCD and LED versions:
- Unsurpassed film-like images with ultra-high resolution
- Unrivaled brightness, contrast and viewing angle
- Complete diagnostic confidence under all lighting conditions
- Free MediCal QAWeb licence for automated QA & calibration
- 5-year warranty including front sensor





Please visit us at
www.radbook.eu

NDSsi Dome E2, E3

Max. luminance	1000 cd/m ²
Pixel matrix	2 MP / 3 MP
Panel size	21.3" / 20.8"







Highlights

- E2: high brightness, low power & image quality that can be affordably deployed throughout the enterprise. Pristine grayscale imaging in a compact display.
- E3: benchmark of diagnostic, grayscale displays with high luminance and contrast and pristine image quality. Ideal for general radiology use.
- Diamond standard for high-end radiology for X- and general radiology
- RightLight-guaranteed lifetime DICOM calibration
- Uncompromised, perfect image quality
- Fanless display, flexible, lightweight, low-power design
- High-bright 2 MP and 3 MP 10-bit grayscale display
- No additional field calibration is ever necessary.

NDSsi Dome S2, S3

Max. luminance	1450 cd/m ²
Pixel matrix	3MP
Panel size	21.3"








Highlights

- Premium 2MP & 3MP Diagnostic Grayscale Display
- Innovative display system equipped with Dome RightCheck front sensor technology.
- Delivers high luminance & contrast & superior image quality ideal for diagnostic imaging.
- Diamond standard for high-end radiology, ideal for X-ray chest, CT and MRI
- RightLight-guaranteed lifetime DICOM calibration
- Uncompromised, perfect image quality
- Fanless display, lightweight, low-power
- High-bright 2 MP and 3 MP 10-bit grayscale display
- True 10-bit high-resolution grayscale glass
- No additional field calibration is ever necessary.

EIZO RadiForce GX340

Pixel matrix	3 MP
Panel size	21.3"
Max. luminance	1,200 cd/m ²




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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- 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	2MP
Panel size	21.3"
Max. luminance	1,200 cd/m ²




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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

EIZO EIZO RadiForce SMD 19102 DL

Pixel matrix	1,3 MP
Panel size	19"
Max. luminance	1,000 cd/m ²




Highlights

- Diagnostic precision with DICOM part 14 factory adjustment
- Quick brightness stabilization for instant viewing
- Wide range of input support
- Customer assurance with medical standards
- Last image hold for connecting radiography systems not having own LIH function

NEC Grayscale Diagnostic Display MD211G3

Pixel matrix	3 MP
Resolution	2048 x 1536
Panel size	21"



Highlights

- The NEC MD211G3 is designed for viewing of grayscale digital images for diagnosis by trained physicians. Application include diagnostic image reporting in radiography.
- Unique re-calibratable Front Sensor System for latest QA conformance capability
- GammaCompMD QA Client Software compatible



The *Right* 6MP.



Introducing the new 6MP *Dome*® *S6c* LED display. Features include 30" widescreen viewing in grayscale and color. LED backlight technology and fanless cooling provide low-power performance. By eliminating reflective glass, *Dome* gets rid of unwanted visual distractions. Slim and lightweight, the *Dome S6c* LED can also be used as two separate 3MP displays. Ask your reseller for details!

The *right* choice.



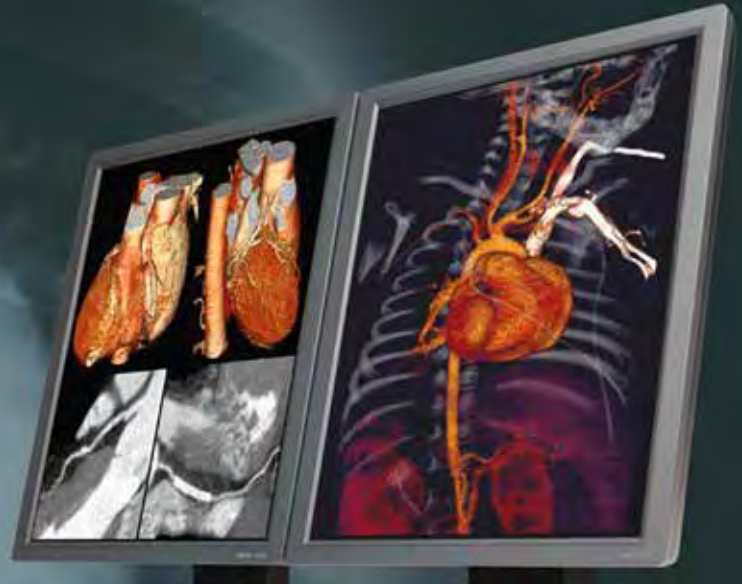
www.ndssi.com

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Dome S6c LED product not available for sale in the USA.



DOME[®]
by NDSsi



Doing it *Right*.

Saving patient lives, time & money

A different kind of diagnostic monitoring company, Dome, has been in the market place since 1989. When founding the company, one of the founding fathers has asked himself a fundamental question:

**Who should be responsible for image quality?
The end-user (resulting in frequent adjustments and
system monitoring) or the manufacturer?**

This simple question has led to a very special monitor principal many radiologists are in large effect unaware of. That by itself is surprising: Radiologists are held personally responsible for their reading capabilities. In other words, we think they should be knowledgeable and critical on their main working tools and the right working circumstances: their diagnostic monitor, the maintenance and the ambient conditions.

Any carpenter would choose professional hi-quality tools; because it's their main daily working tool. Radiologists are no different. Question is:

**What are the main parameters for the 'ideal' monitor for
diagnostic use and good working conditions?**

Such an ideal monitor could have the following parameters:

- Optimal image quality over time
- Zero maintenance (costs)
- Highly accurate wrt the Just Noticeable Differences
- Silent and
- Made with the radiologists in mind.

Not at all easy, but not impossible. The Image Quality (IQ) for any diagnostic monitor (intended use diagnostics) is defined by the DICOM part 14 workgroup: the Grey Scales Display Function (DICOM GSDF, more info:

www.medical.nema.org). Keeping as close as possible to this curve (with the lowest possible (maintenance-) costs) is a key topic to diagnostic monitor IQ. Not just at the moment the monitor is first powered on, but most ideally, for the entire technical lifetime of the monitor. When there is a deviation on this curve, the essential question is: 'How much is acceptable before we start missing life threatening pathologies?'

Can a (reading- / interventional-) radiologist accept a breast mass or brain tumor not detected because the monitor is off the ideal curve?

What if there would be a kind of closed loop process built into the monitor that constantly monitors the monitor and adjusts minute (potential) changes to the JND's 'creating' the GSDF? It would solve a lot:

- No more degradation of IQ, without any service needed
- Operational costs would be close to zero
- It could potentially save lives.

Hospitals pay twice

At the advent of LCD panel based diagnostic monitors companies started businesses in calibration services in order to check and adjust these monitors to the ideal curve. Up until today this is the case with the majority of monitors. Total Cost of Ownership is more and more a spear point from financial departments in healthcare systems. Effectively this means that over the typical economical lifetime expectancy of a monitor (5-7 years) the total costs have doubled. The hospital pays twice.

Display trust

Looking from a clinical perspective there is yet another interesting point: How well can a radiologist trust his monitor in terms of optimal IQ just a day before the calibration service is deployed?

The GSDF might be 15% off the optimum. Is this acceptable for the radiologist? We should also bear in mind that the radiologist provided his services for patients. They depend on his professionalism. An optimal tool for reading cases is of paramount importance. What is needed is a monitor that can be trusted in unprecedented IQ over time. Not just on day one, that's relatively simple. Try to keep it in that quality without

any maintenance costs is a complete different ball game. We know that game very well. It's our pedigree: Optimal IQ from day 1 until the technical end of the monitor.

Image quality

The second equally important aspect of IQ is ensuring that at any luminance level, the radiologists are assured of maximal 255 (8 bit data word) different levels of grey. The problem here is that it is a pretty complex process for a person to make sure that all these 255 differences are effectively there. On top of that, that the differences remain visible over time and even more complex, with every luminance level.

Almost impossible for most humans to get the combination of getting very close to the ideal GSDF curve, making sure the 255 different levels of grey are just recognizable and to top it, at every moment in lifetime of the monitor.

This is known to be nearly impossible to accomplish. That is said for a human, not for a computer. The computer beats both humans in speed and accuracy. A good thing we have more than enough of computational power these days to perform this task with ease. We build one in our monitors.

Not to worry about IQ at any time and zero maintenance costs. The kind of simplicity even Da Vinci would agree with, the ultimate sophistication.

The Right Choice for Radiologists

The Radiologist is a human. He/she is not a machine. We are in continuous contact with radiologists, clinical physicists, IT personnel and financial administrators and know their specific needs quite well. The radiologist's typical working environment is a controlled room with low and constant (see ACR recommendations) lighting conditions that create best possible reading conditions.

These conditions are also catered by the monitor:

- No reflective material
- No front 'power-on' LED shining directly in the eyes of the radiologist
- No irritating noise from fans (for active cooling).

There is a human behind the monitor. He / she spends about 8+ hours working with it, it better be designed for long term constant use. It's a Radiologists 'hammer', not a consumer item like an iPad.


Reliable Products for Reliable Specialists

Focus on what's clinically relevant and what not. Dome, The Right Choice, since 1989.

When will you find out?

TOTOKU MS33i2

Panel Technology	IPS
Resolution	1,536 x 2,048 / 1,536 x 6,144 (with ISD)
Panel size	20.8"




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
Resolution	1,600 x 1,200 / 4,800 x 1,200 (ISD)
Panel size	21.3"




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 Family

Panel size	30"
Resolution	4 MP / 6 MP / 10 MP
Max. luminance	1,000 / 800 / 1,250 cd/m ²



Highlights

- Wide-screen diagnostic color display systems
- Color IPS Pro LCD
- Exceptional image quality and pixel-perfect images
- Coronis feature set that provide reading productivity (19%)* gains 30" bezel-free workspace with 33% more space
- Free MediCal QAWeb licence for automated QA & calibration
- 5-year warranty incl. front sensor

***Influence of Medical Display System on Productivity and Eye-strain of Radiologists**
Montefiore Medical Centre – Albert Einstein College of Medicine of Yeshiva University

Barco Nio family

Panel size	20" / 21"
Resolution	2 MP / 3 MP / 5 MP
Max. luminance	750 / 800 / 1,100 cd/m




Highlights

- Color and grayscale IPS Widescreen LCD
- Guaranteed high-bright, crisp diagnostic images
- Proven technology for long-term image confidence
- Unique auto-calibration and auto-healing features
- Built for intensive use within the reading room environment
- Free MediCal QAWeb licence for intervention-free QA & on-demand compliance checks
- 5-year warranty including front sensor

NDSsi Dome S6c LED

Max. luminance	800 cd/m ²
Pixel matrix	6 MP Color
Panel size	30"



Highlights

- Premium 6MP Diagnostic Color Display
- Offers the latest in LCD technology to provide superb image quality & long product life within a sleek 30" package.
- Widescreen display
- RightLight-guaranteed lifetime DICOM calibration
- High quality, high-bright widescreen 6MP 10-bit diagnostic color display, high-speed dual link DVI
- Lightweight, fanless and non-reflective
- Perfect image quality, suitable for grayscale & color images
- Diamond standard for general radiology & color enhanced diagnostics
- May be used as two separate 3MP displays with no bezel separation
- No additional field calibration is ever necessary.

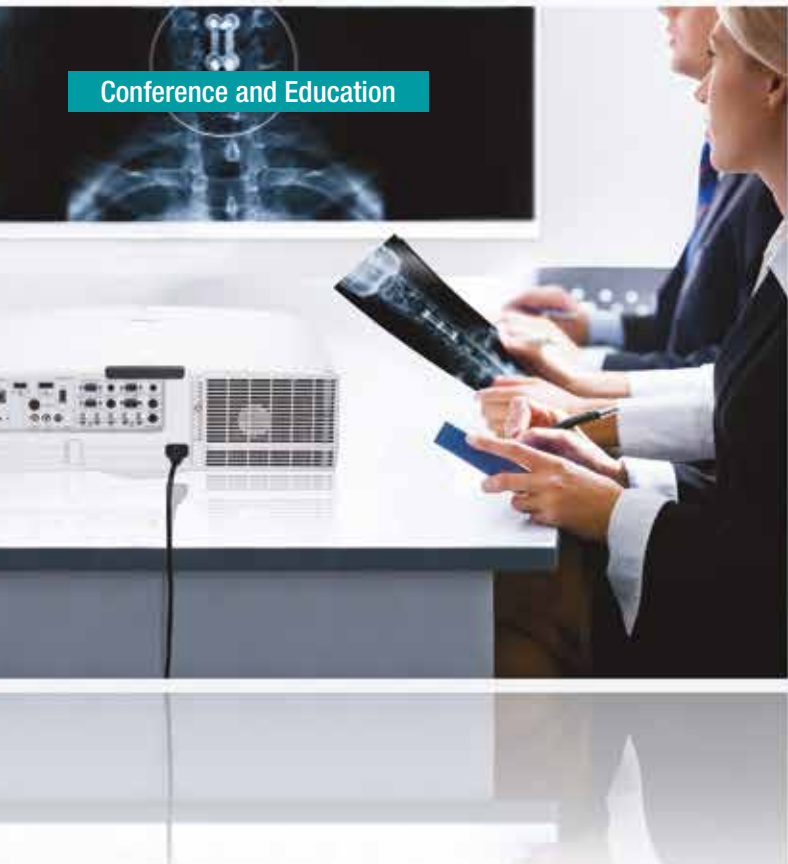
Diagnostic



Review



Conference and Education



Administration



Medical treatment perfect in focus

Your patients trust your diagnosis. Just as important is the trust you place in the manufacturer of display solutions for all your medical application fields. Your partner with many years of experience in this field, with an outstanding service and support concept for highly sensitive and complex applications in hospitals and medical clinics.

Trust in NEC Display Solutions, the leading manufacturer of display products and solutions. Rely on certified Medical Displays for film-less diagnosis and review, DICOM calibrated monitors for PACS applications, LCD screens from 19 to 80 inch and a wide selection of projectors. Benefit from tailor-made visual solutions and the technical expertise of NEC Display Solutions. And you can focus completely on your patients.

For more information

www.medical.nec-display-solutions.com



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NDSsi Dome S3c

Max. luminance	800 cd/m ²
Pixel matrix	3 MP
Panel size	21.3"



Highlights

- Premium 3MP Diagnostic Color Display
- All-in-one diagnostic display deployable throughout the hospital enterprise.
- Diamond standard for general radiology and color enhanced diagnostics
- RightLight-guaranteed lifetime DICOM calibration
- High-bright 3 MP 10-bit diagnostic color display
- Suitable for grayscale & color images
- Uncompromised, perfect image quality
- Additional RightCheck sensors for remote conformance testing
- New, slim design with rotatable stand, lightweight, low-power, fanless display
- Both DVI and displayport connection
- No additional field calibration is ever necessary.



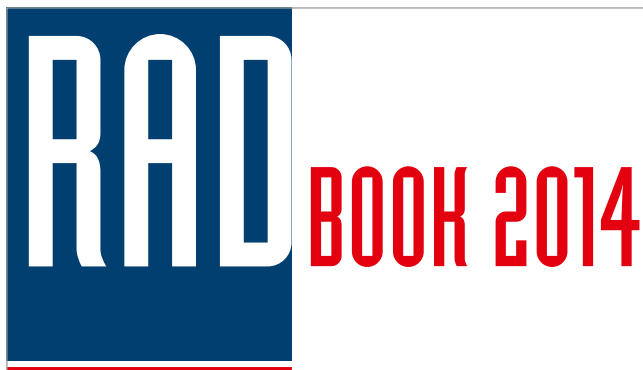
NDSsi Dome E2cHB

Max. luminance	800 cd/m ²
Pixel matrix	2 MP
Panel size	19.6"



Highlights

- Dome E2cHB is a high-bright display ideal for 2MP imaging and deployable throughout the hospital enterprise.
- Diamond standard for general radiology and color enhanced diagnostics
- RightLight-guaranteed lifetime DICOM calibration
- High-bright diagnostic color displays
- Suitable for both grayscale and color images
- Uncompromised, perfect image quality
- Fanless display, lightweight, low-power
- High-bright 2 MP 10-bit color display
- Dome displays remain in perfect DICOM calibration for the life of the display.
- No additional field calibration is ever necessary.
- You simply open the box, plug it in, and you're ready.



Please visit us at

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EIZO RadiForce RX850

Panel size	31.1
Pixel matrix	8 MP
Max. luminance	850 cd/m ²

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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return



EIZO RadiForce RX840

Pixel matrix	8 MP
Panel size	36.4"
Max. luminance	700 cd/m ²

Highlights

- LCD module with 8 megapixel resolution and LED backlight for a reliably high and constantly stable brightness
- 8 Megapixel super-high-resolution display
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return



EIZO RadiForce RX840-MG

Pixel matrix	8 MP
Panel size	36.4"
Max. luminance	700 cd/m ²

Highlights

- FDA 510(k) clearance for mammography and general radiography
- Environmentally-friendly LED backlight
- 8 Megapixel super-high-resolution display
- Consistency with DICOM part 14 calibration
- Brightness uniformity for a steadier image across the screen



EIZO RadiForce RX650

Resolution	6 MP
Panel size	30"
Max. luminance	800 cd/m ²



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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

EIZO RadiForce RX440

Pixel matrix	4 MP
Panel size	28,8"
Max. luminance	750 cd/m ²



Highlights

- LCD module with 4 megapixel resolution and LED backlight 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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

EIZO RadiForce RX340

Pixel matrix	3 MP
Panel size	21,3"
Max. luminance	1,000 cd/m ²



Highlights

- Environmentally-friendly LED backlight
- 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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- 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/m ²



Highlights

- Environmentally-friendly LED backlight
- 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
- Hybrid gamma, fully automatic selection of tone value curves for images requiring different brightness characteristics
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

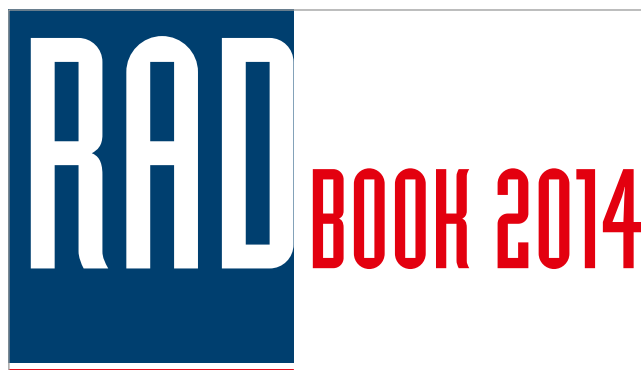
EIZO RadiForce RS110

Pixel matrix	1,3 MP
Panel size	19"
Max. luminance	280 cd/m ²



Highlights

- Diagnostic precision with DICOM part 14 factory adjustment
- Consistency with DICOM part 14 calibration
- Quick brightness stabilization for instant viewing
- Mode selection for optimum viewing
- Customer assurance with medical Standards




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NEC Colour Diagnostic Display MD210C2

Pixel matrix	2 MP
Resolution	1200 x 1600
Panel size	21"




Highlights

- The NEC MD210C2 flat panel display systems are suitable for viewing of colour and grayscale digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography as well as CT, MRI and other medical imaging techniques.
- Front Sensor and LED backlight system – for long lasting stable luminance

NEC Colour Diagnostic Display MD211C2

Pixel matrix	2 MP
Resolution	1200 x 1600
Panel size	21"




Highlights

- The NEC MD211C2 flat panel display systems for viewing of colour and grayscale digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography as well as CT, MRI and other medical imaging techniques.
- Front Sensor and LED backlight system – for long lasting stable luminance

NEC Colour Diagnostic Display MD211C3

Pixel matrix	3 MP
Resolution	1536 x 2048
Panel size	21"




Highlights

- The NEC MD211C3 flat panel display systems for viewing of colour and grayscale digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography as well as CT, MRI and other medical imaging techniques.
- Front Sensor and LED backlight system – for long lasting stable luminance

NEC Colour Diagnostic Display MD242C2

Pixel matrix	2 MP wide
Resolution	1920 x 1200
Panel size	24"




Highlights

- The NEC MD242C2 flat panel display systems for viewing of colour and grayscale digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography as well as CT, MRI and other medical imaging techniques.
- Front Sensor and LED backlight system – for long lasting stable luminance

NEC Colour Diagnostic Display MD302C4

Pixel matrix	4MP wide
Resolution	2560 x 1600
Panel size	30"



Highlights

- The NEC MD302C4 flat panel display systems are suitable for displaying and viewing of digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography as well as CT, MRI and other medical imaging techniques.
- Front Sensor and LED backlight system – for long lasting stable luminance

TOTOKU CCL650i2

Panel Technology	IPS
Resolution	3,280 x 2,048
Panel size	30 Zoll
Max. luminance	800cd/m ²



Highlights

- 800 cd/m² brightness
- 1000:1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Dual DVI/DisplayPort Input

TOTOKU CCL358i2

Panel Technology	IPS
Resolution	2,048 x 1,536
Panel size	21,3"
Max. luminance	800cd/m ²



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
Resolution	2,048 x 1,536
Panel size	21,3"



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
Resolution	1,600 x 1,200
Panel size	21,3"
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
Resolution	1,600 x 1,200
Panel size	21,3"



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
Resolution	1,920 x 1,200
Panel size	24,1"



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
Resolution	1,600 x 1,200
Panel size	19,6"
Max. luminance	700 cd/m ²



Highlights

- 700 cd/m² brightness
- 1000:1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply

RADBOOK 2014

DISPLAYS - CLINICAL REVIEW

Barco Eonis Family

Panel size	22/ 24 "
Resolution	2MP (1920 x 1080)

**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 Family

Panel size	19 / 20 / 24
Resolution	1 MP / 2 MP
Max. luminance	300 / 300 / 400 / 400 cd/m

**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

NDSsi Dome GX2MP Plus

Max. luminance	250 cd/m ²
Pixel matrix	2 MP Color
Panel size	20.1"

**Highlights**

- 2MP Worklist & Review Color Display
- High-quality color display ideal as a companion monitor for the Dome EX and S series of displays.
- Suitable for primary diagnostics on CT, MRI and PET and for review on general X-ray
- High Quality 2 MP color display
- High-speed DVI
- Also suitable for RIS
- DICOM calibrated 'out of the box'
- Stabilized backlight
- Fanless display, flexible, lightweight, low-power design
- Dome displays remain in perfect DICOM calibration for the life of the display.
- No additional field calibration is ever necessary.
- You simply open the box, plug it in, and you're ready.

NDSsi Dome GX4MP

Max. luminance	370 cd/m ²
Pixel matrix	4 MP Color
Panel size	30"

**Highlights**

- 4MP Clinical Color Display
- Dome GX4MP is a 30-inch widescreen display offering multi-modality viewing in color & grayscale.
- Ideal for reading PET-CT, MRI, Nuclear Medicine, Ultrasound X Pathology, CR & DR.
- RightLight-guaranteed lifetime DICOM calibration
- High quality high-bright 4 MP 10-bit color display, high-speed dual link DVI
- DICOM calibrated 'out of the box'
- Fanless display, lightweight, low-power
- Uncompromised perfect image quality suitable for grayscale X color images
- Diamond standard for general radiology X color enhanced diagnostics
- No additional field calibration is ever necessary.

EIZO RadiForce MX270W

Pixel matrix	3.7 MP
Panel size	27"
Max. luminance	300 cd/m ²

**Highlights**

- Environmentally-friendly LED backlight
- 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

EIZO RadiForce MX241W

Pixel matrix	2,3 MP
Panel size	24,1"
Max. luminance	320 cd/m ²

**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 MS230W

Pixel matrix	2,1 MP
Panel size	23"
Max. luminance	300 cd/m ²

Highlights

- DICOM preset modes
- Brightness stabilization
- Mode selection for optimum viewing
- Presence sensor for power savings



EIZO RadiForce MX215

Pixel matrix	2 MP
Panel size	21"
Max. luminance	420 cd/m ²

Highlights

- DICOM part 14 compliant plus simplified 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/m ²

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	2560 x 1440
Panel size	27"

Highlights

- The professional 27inch DICOM calibratable display for medical image viewing and PACS referral fulfils dedicated quality requirements for reproduction of images from Computed Tomography, Magnetic Resonance Imaging, Nuclear Medicine/PET and Cardiology as well as PACS referral.



NEC Clinical Review Display MDview243

Panel Technology	IPS
Resolution	1920 x 1200
Panel size	24"

Highlights

- The NEC MDview243 colour flat panel display fulfils dedicated quality requirements for reproduction of images from Computed Tomography, Magnetic Resonance Imaging, Nuclear Medicine/PET and Cardiology as well as PACS referral.



NEC Clinical Review Display MDview232

Panel Technology	IPS
Resolution	1920 x 1080
Panel size	23"

Highlights

- The NEC MDview232 colour flat panel display fulfils dedicated quality requirements for reproduction of images from Computed Tomography, Magnetic Resonance Imaging, Nuclear Medicine/PET and Cardiology as well as PACS referral.



RADBOOK 2014

DISPLAYS - LARGE FORMAT

EIZO RadiForce LX600W

Pixel matrix	8 MP
Panel size	60"
Max. luminance	520 cd/m ²

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 LX470W**

Pixel matrix	2,1 MP
Panel size	47"
Max. luminance	700 cd/m ²

Highlights**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/m ²

Highlights

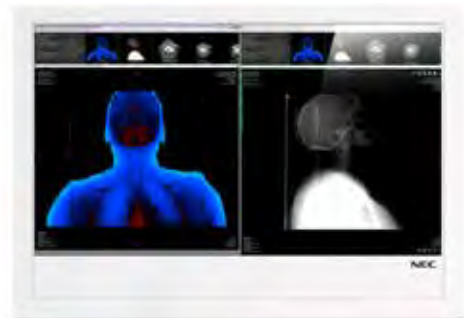
- Multi monitor scenarios in a single glance
- Environmentally-friendly LED backlight
- Diagnostic precision with factory adjustment
- Quick brightness stabilization for instant viewing
- Customer assurance with medical standards

**NEC Operating Room Display MD461OR**

Panel Technology	S-PVA
Resolution	1920 x 1080
Panel size	46"

Highlights

- The NEC MD461OR flat panel display systems for viewing of colour and grayscale medical images for operation by trained physicians. Using the latest technologies in Full HD LCD panels and connectors/ video signals management, and the highest standards for reliability and image quality, this product is the reference in the medical market.

**Sectra Table for medical education****Highlights**

- A 46-inch medical multi-touch display enabling multiple users to interact collaboratively and simultaneously with the real-size 3D images generated by CT and MRI scanners to gain deeper understanding and insight into the functions and processes inside the body. The user can, for example, visualize different kinds of tissues and cut through sections with a virtual knife. The table makes a significant contribution to medical education. The table is powered by a tailored Sectra PACS workstation. Sectra's patented visualization techniques even allow immediate display of datasets of extreme size, such as high-resolution, full-body scans.



PRINTER

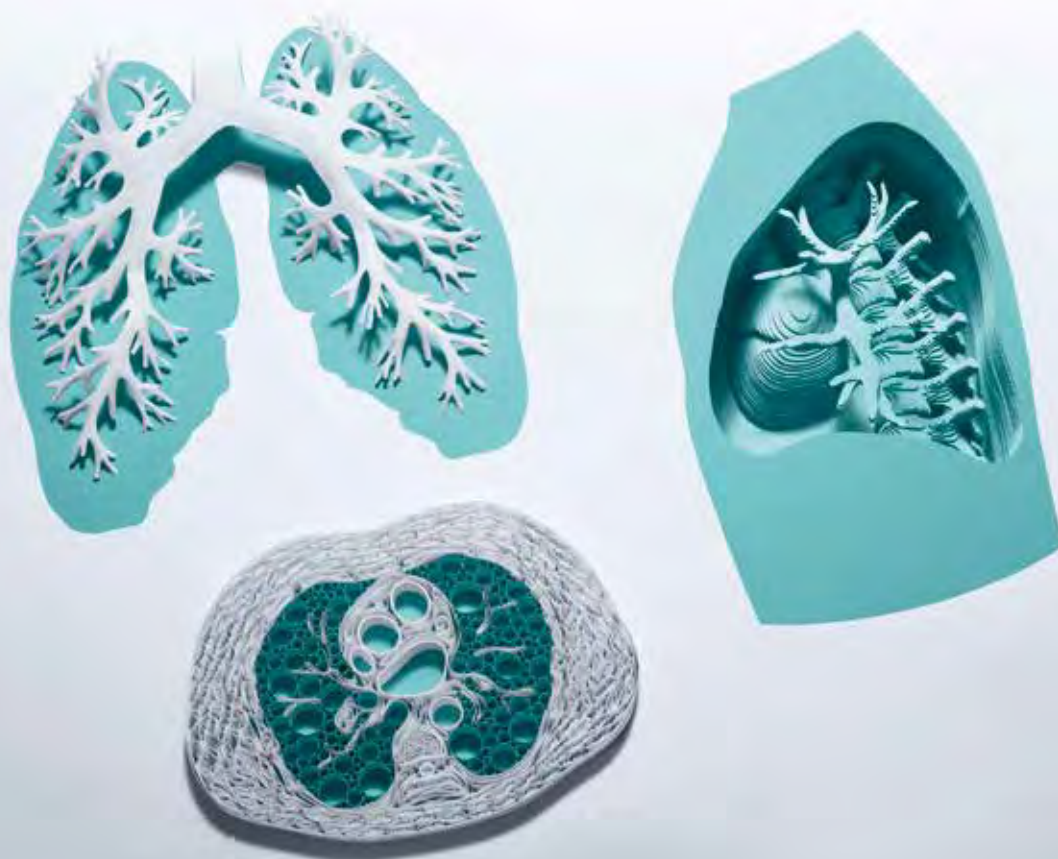
Agfa HealthCare DRYSTAR 5503

Technology	Direct digital imaging
Capacity	100 films/h (14 x 17)
Resolution	508 dpi / 50 µm pixelsize

Highlights

- 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
- 3 multi-format trays, each supporting different film sizes and types
- Suitable for CT, MRI, DSA, digital R&F, CR, DR and optional mammography applications





extracting the essence.

The new great in the EIZO multi-modality series: The RadiForce® RX650.

The new RadiForce RX650 completes the EIZO multi-modality monitor series. The 30-inch 6 megapixel widescreen LCD displays all image applications simultaneously and saves space and costs in comparison with standard multi-screen solutions.

- ◆ Flexible hanging protocols
- ◆ 30-inch 6 megapixel widescreen LCD
- ◆ Color diagnostic monitor for class A
- ◆ LED backlight
- ◆ 5 year warranty

Further information available on: www.eizo.com



Agfa HealthCare DRYSTAR 5302

Technology Direct digital imaging
Capacity 75 films/h (14 x 17)
Resolution 320 dpi

**Highlights**

- 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 HealthCare DRYSTAR 5300

Technology Direct digital imaging
Capacity 70 films/h (14 x 17)
Resolution 320 dpi

**Highlights**

- 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

Agfa HealthCare DRYSTAR AXYS

Technology Direct digital imaging
Capacity 75 films/h (14 x 17)
Resolution 508 dpi / 50 µm pixelsize

**Highlights**

- Flexible, tabletop imager delivering mammography-quality images
- Multi-application hardcopy solution, including digital mammography
- Integrated A#Sharp technology for optimized image quality
- 2 multi-format trays, each supporting different film sizes and types
- Very short access time for extremely fast delivery of first four prints

FUJIFILM DryPix Lite

Resolution 84.7µm (300dpi), 12bits gradation
Capacity Approx. 90 sheets/hour
Technology Thermal head transfers heat while in contact with thermal film

**Highlights**

- A new concept tabletop Dry Imager
- Supports multiple film size
- Daylight film loading
- Up to 2 magazines
- Outstanding performance, remarkable efficiency and superb quality satisfy your medical needs

FUJIFILM DryPix Plus

Technology Laser exposure thermal development system
Capacity Up to 160 films/h (35 x 43cm) and 230 films/h (20 x 25cm); 60 s first print
Resolution 100 / 50 micron is selectable for all sizes, 14 bits

**Highlights**

- 3 daylight film loading trays
- 4 available film formats from 20 cm x 25 cm up to 35 cm x 43 cm
- Up to 4 bin film sorter
- High resolution and density for mammography (Dmax = 4.0)
- Quick cold start time
- DICOM compatible
- Automatic density correction

FUJIFILM DryPix Smart

Technology Laser exposure thermal development system
Capacity up to 80 films/h
Resolution 50 micron, 14 bits gradation

**Highlights**

- Tabletop laser printer
- 2 Trays for multiple film sizes
- 0.38 m² footprint
- Support for 5 different film formats from 20 x 25" to 35 x 43 cm
- Fully DICOM compatible
- Automatic density adjustment

Konica Minolta DryPro 873

Capacity	180 films/h
Resolution	43.75 µm
Technology	Laser




Highlights

- Fully DICOM compatible
- Ready for up to 3 film trays
- Optional sorter available
- Fast multi-modality printer for optimal performance
- High density printing for mammography – Dmax 4.0

Konica Minolta DryPro 832

Capacity	90 films/h
Resolution	78.6 µm/12 bit
Technology	Laser



Highlights

- Compact laser imager
- Fastest time for first film print out (50 s)
- Ready for up to 2 film trays
- Support of 5 different film sizes

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 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


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 ink consumption



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ACCESSORIES / COMPLEMENTARY SYSTEMS

NDSsi DomeAccess

Highlights

- Web-Based Remote Systems Control
- Uses a secure web-based portal into Dome Dashboard through any standard web browser.

ACCESS:

- Intuitive web user interface & convenient accessibility provides a secure solution from anywhere in the world.

BACKUP:

- Using the backup service option, Dome Dashboard server data can be backed up to the cloud.

CONFIDENCE:

- Hosted & maintained in the cloud & monitored by Dome to ensure speedy bandwidth and uptime.
- Dome Dashboard is deployed throughout the hospital & used to easily manage the Dome family of medical display workstations enabled with CXtra calibration & monitoring software.



Larivière ACUSCREENPRO Calibration Tool

Highlights

- The world's only complete ambient-light-independent projection system for X-ray images of all sizes
- 100 percent DICOM-compliant
- Instant on-site calibration of projectors, large-screen displays and desktop monitors
- Seamless integration with PACS workstations
- Color calibration
- Easy to use

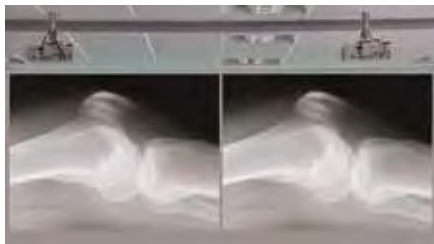


Larivière DICOM-Imaging Optimizer

Highlights

Analysis and consulting - optimization of medical imaging:

- Calibration of projectors, large-screen displays and desktop monitors with our proprietary software for full DICOM 14 conformity
- Our calibration software compensates for inconsistent lighting conditions
- Compatibility check for all system components
- Preparation and installation of all necessary components
- Matching up colors for dual projection systems Turnkey projection systems for conference and meeting rooms:
- Analysis of the premises, e.g. impact of the room and furniture layout on AV presentations, issues with the wiring, etc.
- Learning of customer's preferences and needs
- Pre-installation, planning and design
- Installation and commissioning of the projection equipment



Larivière VIDAR DiagnosticPRO Edge

Highlights

- Digitizes at double the speed of the previous model, enabling a faster workflow
- Accommodates up to 25 mixed-size films in batch mode w / auto-feeder, resulting in greater efficiency and increased productivity
- Ideal for both general radiography and mammography
- Clinically proven image quality and consistency
- Produces images that exceed the American College of Radiology practice guidelines
- Offers the only 36-bit datapath in the industry to maximize grayscale accuracy and performance
- World-class reliability, service, and customer support
- Full-service contracts are available
- Up to 5-year warranty upgrade programs for new VIDAR digitizers



Larivière PACSonWEB

Highlights

Radiology and other medical imaging departments need to exchange images with other doctors (for example with general practitioners, surgeons or other institutions) outside the hospital. Today this is in most cases done using CD/DVD. This is not a good solution because:

- is a time-consuming process
- recipient site they don't always have a Windows environment

- is hard to import the data and loading images from a CD/DVD is slow
 - is an error-prone process
 - is not an instant sharing solution
 - is expensive
- Our web-based solution is:
Fast, Secure, Easy-to-use, works on any computer with a lossless DICOM compression!



NDSsi Radiance Series

Max. luminance

Features a "DICOM" gamma correction setting for viewing PACS images, providing luminance response characteristics similar to that of a DICOM-compliant display. NDSsi's proprietary Color Correction Technology (CCT)

Technology

Panel size

19", 24", 26", 32", 42", 55"

Highlights

- The most advanced and comprehensive HD visualization system available for minimally invasive surgery & interventional procedures.
- Features "DICOM" gamma correction settings for viewing PACS images
- Preeminent Advanced Image Processing
- Proven compatibility with endoscopic cameras, fluoroscopes, ultrasound machines & other medical imaging systems
- Fully Compliant with OR Video Control Applications
- Supports all professional digital and analog video inputs
- Supports two DVI inputs as well as two HD-SDI inputs – RS-232 control
- Allows any two input sources to be viewed simultaneously on the same display
- LED Backlight



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Lobby

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Programme

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LOCAL TIME 14:23



NH 4 - Imaging the hallmarks of cancer

Live Hashtag: #ECR2014E1 #NH4

Friday, March 7, 08:30 - 10:00 / Room E1

Session Type: Morning Horseshoe Session

Topic: Molecular Imaging, Oncologic Imaging

5 presentators in this session:

- A-073 - Chairman's introduction: importance of cancer hallmarks for radiologists
- A-074 - Cell proliferation and death
- A-075 - Apoptogenesis
- A-076 - Dysregulation metabolism
- Panel discussion: Cancer hallmarks as therapeutic targets

A-073

Chairman's introduction: importance of cancer hallmarks for

08:30

A.R. Padhani, Northwood/UK

ESR

Modern cancer research and increasing therapy are mechanism based with the development of disease-modifying therapies that target the hallmarks of cancer. Modern imaging tools enable the visualization and quantitative assessment of the expression of molecular targets, of their interaction with potential ligands, as well as of the functional consequences of interactions at a molecular, cellular, metabolic, physiological, morphological level.



Add this session to your basket =

Voting Tool =

Current presentation:

A-073
Chairman's introduction: importance of cancer hallmarks for radiologists

Next presentation:

A-074
Cell proliferation and death

Chatbox

Post

Chat & Social Media Stream



Wow, great session about to start here in Room E1 - better join quickly or watch on ECR Live #ECR2014E1 #NH4

Wednesday, 7 March 2014 14:23



Want to know more? Browse the whole programme, select your favourite sessions, create your personal calendar and even print your own book of abstracts. How? Just use the ECR 2014 - European Congress of Radiology Interactive Programme Planner.

<http://ipp.myESR.org>

Andrew Dascalovic - ECR Live

ULTRASOUND

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	 <p>AGITO MEDICAL</p>			
<p>GCTechnology GmbH</p>	 <p>SUPERSONIC imagine The Therapeutic Company®</p>			
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<p>TOSHIBA</p>				



Ultrasound-based product series opens a cloud era



European Congress of Radiology

ECR
2014


Vienna
March 6-10


Expo A 109


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SIUI


Esaote MyLabTwice eHD & CrystaLine	
Mode	2D, 3D, 4D, M, CMM, CFM-PWD, XFlow, PW, CW and others
Scan format	Convex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs	4+1 probe connectors
	
Highlights <ul style="list-style-type: none"> • MyLabTwice represents a “paradigm shift” in the hospital organization, combining premium performance and point-of-care ultrasound. Innovative solutions contribute to bring a new vision in the daily routine: better clinical outcomes and improved efficiency. • Superb image quality, premium performance and point-of-care ultrasound. • Advanced technologies such Elastasonography, CEUS, Fusion Imaging, Virtual Navigator, 3D-4D, QIMT (Auto IMT), QAS (Auto Arterial Stiffness), XStrain. • Flexible configuration: Radiology, Small Parts, Ob/Gyn, TCD, MSK, Cardiology, Vascular and Interventional. 	

Esaote MyLabClassC	
Mode	2D, 3D, 4D, M, CMM, CFM, PW, CW, PWR, XFlow and others
Scan format	Convex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs	4+1 probe connectors
	
Highlights <ul style="list-style-type: none"> • MyLabClassC is just the right choice for these physicians looking for a high-end ultrasound systems with high-performance and advanced on-board technologies as well as simplicity and ease of use. • Multidisciplinary Digital Architecture for General Imaging, Women’s Health, Cardiovascular and other applications. • Advanced technologies such Elastasonography, CEUS, Fusion Imaging, Virtual Navigator, 3D-4D, QIMT (Auto IMT), QAS (Auto Arterial Stiffness), XStrain. 	

Esaote MyLabSeven eHD & CrystaLine	
Mode	2D, 3D, 4D, M, CMM, CFM, PW, CW, PWR, XFlow and others
Scan format	Convex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs	4 probe connectors
	
Highlights <ul style="list-style-type: none"> • MyLabSeven delivers high class performance and very compact size. Designed on revolutionary productivity oriented platform, MyLabSeven combines performance, ergonomics, mobility and Connectivity at the highest level: a real breakthrough in its class. • Outstanding image quality and productivity-oriented workflow. • Flexible configuration: Radiology, Small Parts, Ob/Gyn, TCD, MSK, Cardiology, Vascular. • Advanced features allow to best perform in advanced procedures; e.g. Elastasonography, CEUS, QIMT (Auto IMT) XStrain4D. • Compact footprint, high-level ergonomics and stand-by battery 	

Esaote MyLabAlpha eHD & CrystaLine	
Mode	2D, 3D, 4D, M, CMM, CFM, PW, CW, PWR, XFlow and others
Scan format	Convex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs	2 on board, 4 with roll stand
	
Highlights <ul style="list-style-type: none"> • Premium performance and portability without compromises. • Flexible configuration: Radiology, Small Parts, Ob/Gyn, TCD, MSK, Cardiology, Vascular. • Advanced features allow to best perform in advanced procedures; e.g. Elastasonography, CEUS, QIMT (Auto IMT) XStrain4D. • Two connectors on-board, productivity-oriented workflow and intelligent user-interface. 	

Esaote MyLab40 eHD	
Mode	2D, 3D, 4D, M, CMM, CFM, PW, CW, PWR and others
Scan format	Convex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs	3+1 probe connectors
	
Highlights <ul style="list-style-type: none"> • MyLab40 with eHD technology is a compact cart-based system designed to be the ideal solution for interdisciplinary use. Due to the eHD technology all aspects of the signal chain are optimized, resulting in efficient scanning leaving the sonographer free to concentrate on the patient. • This system offers a wide selection of optional features and technologies within all applications. A complete range of phased array, convex, linear and endocavity transducers make the MyLab40 to be the ideal solution for the shared-service clinic without compromising image quality or ease-of-use. 	

Esaote MyLabOne	
Mode	2D, M, CFM, PWD, PW and others
Scan format	Convex, Linear, Phased Array and Extended
Transducer inputs	1 on board, 3 on roll stand
	
Highlights <ul style="list-style-type: none"> • Dedicated solution for Point Of Care Ultrasound. • Intuitive user interface, fully based on touch screen technology • Fast workflow • Easy to clean • On-board library, application-dedicated educational tools for users’ reference • Remote controls integrated on the transducers • NNE technology, dedicated Anaesthesiology and Musculoskeletal technology for enhancement of needle visibility • XHF technology, up to 22 MHz • QIMT and QAS, for accurate and easy assessment of intima media thickness and arterial stiffness, based on RF technology • Wireless connectivity 	

Esaote MyLab25Gold

Mode	2D, 3D, 4D, M, CMM, CFM, PW, CW, PWR and others
Scan format	Convex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs	2



Highlights

- MyLab25Gold is a portable system able to perfectly match technological innovations with ease of use and portability.
- While ensuring very high diagnostic confidence, the MyLab25Gold offers a wide range of configurations to meet any clinical need and any user preference. It represents the optimal solution for the most demanding Shared Service department, covering and satisfying all the clinical needs in every single application.
- A wide range of transducers (up to 18MHz) and advanced image optimization methods (such as XView and MView) ensure clear images and diagnostic confidence in daily clinical practice.

GE Healthcare LOGIQ E9

Modus	B-mode, M-mode, CFM-mode, Doppler, CEUS-mode, elastography-mode, realtime 4D, volume navigation
Scan format	Linear, convex, microconvex, sector phased array, trapezoid
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 and amplitude modulation settings, elastography and PDI with quantification, realtime 4D in CEUS mode, volume navigation with fusion, GPS and needle tracking
- Easy workflow: scan assistant, raw data imaging, Q&R with multimodality imaging navigation
- Winner of the "Best in Class 2011" Award

GE Healthcare LOGIQ S8

Mode	B-mode, M-mode, CFM-mode, Doppler, B-flow mode, CEUS-mode, elastography-mode
Scan format	Linear, convex, microconvex, sector phased array, trapezoid
Transducer inputs	4 active ports + 1 parking slot



Highlights

- New introduction in August 2011
- 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, great system ergonomics, customizable LCD panel
- Scalable to your needs: wide applications coverage to maximize scan productivity.
- Scan assistant, raw data imaging

GE Healthcare Voluson E8

Mode	B-mode, M-mode, CFM-mode, Doppler, HD-flow, realtime 4D
Scan format	Linear, convex, microconvex, sector phased array
Transducer inputs	3



Highlights

- Realtime 4D up to 40 volumes/s
- Automatic volumetric analysis
- STIC (Realtime 4D view of the fetal heart)
- CRI (Compound Resolution Imaging)
- HD-Flow (high sensitive power Doppler)

GE Healthcare LOGIQ P6 Premium

Modus	B-mode, M-mode, CFM-mode, Doppler, B-flow color, coded contrast harmonic, stressecho, anatomical M-mode, elastography-mode
Scan format	Linear, convex, microconvex, sector phased array, trapezoid
Transducer inputs	3



Highlights

- Compact shared service system B-flow color (digitally subtraction technique)
- CrossXBeam realtime compound and speckle reduction imaging
- LOGIQView (panoramic imaging)
- Auto optimize (For B-mode, color, Doppler)
- Digitally archive with RawData support
- Matrix array transducer support
- Elastography

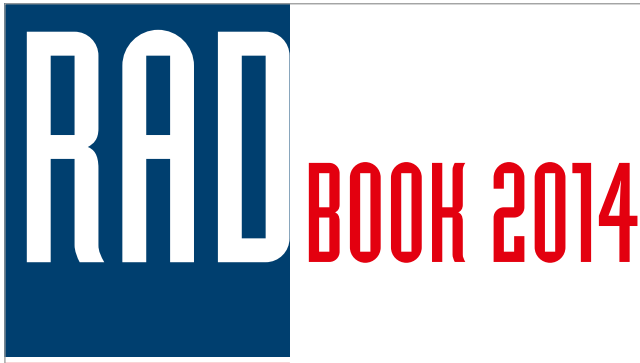
GE Healthcare LOGIQ A5 / P5 Premium

Modes	Modular configurable from b/w system up to color triplex system (B-mode, M-mode, CFM-mode, Doppler, B-flow, cardiology)
Scan format	Linear, convex, microconvex, sector phased array, trapezoid
Transducer inputs	3



Highlights

- Compact lightweight and modern design with 15" LCD monitor
- CrossBeam and speckle reduction imaging
- LOGIQView (panoramic imaging)
- Auto optimize (for B-mode, color, Doppler)
- Digitally archive with RawData support
- Elastography (LOGIQ P5 Premium)



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GE Healthcare Venue 40

Mode	B-mode, color flow imaging, power Doppler
Scan format	Linear, convex, sector phased array
Transducer inputs	1

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
- Depth-synchronized optimization with adjustable gain
- CrossXBeam and Speckle Reduction Imaging (SRI)
- Single-surface screen - no seams, no monitor frame



GE Healthcare LOGIQ e

Modes	B-mode, M-mode, CFM-mode, Doppler
Scan format	Linear, convex, microconvex, sector phased array, trapezoid
Transducer inputs	1

Highlights

- Portable premium system with shared service capabilities
- High frequency imaging up to 18 MHz for vascular and musculoskeletal exams
- Musculoskeletal suite with 2D PDI quantification and patient follow up settings
- Hockey stick probe for interventional
- Needle recognition feature for a better needle imaging
- CrossXBeam, B-steer and SRI imaging
- LOGIQ view (panoramic imaging)



GE Healthcare Vscan

Mode	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 low 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
- Diagnose more quickly and confidently to determine the best course of treatment
- Connect more deeply with patients for better care
- 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



Hitachi Aloka ARIETTA 70

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; Real-time Virtual Sonography; Sector, linear and convex array, 360° scanning, trapezoid, B-steer, dual imaging, Dual Slow-motion Display, wideview panoramic, HI-Definition-Zoom, pan Zoom; picture in picture
Scan format	
Transducer inputs	4 active ports

Highlights

- Light weight multi-disciplinary platform with ergonomic design.
- Symphonic Technologies underpin outstanding quality of diagnostic images.
- High quality 21" IPS-PRO high contrast monitor panel
- Wide range of transducers, including dedicated probes for interventional guidance, urology and TEE applications.
- Advanced modalities: Real-time Elastography, Contrast harmonic imaging, Real-time Virtual Sonography.
- Advanced analysis: Time Intensity Curve, eTracking/Wave Intensity, Eyeball EF, 2D Tissue Tracking.



Hitachi Aloka ARIETTA 60

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; Sector, linear and convex array, 360° scanning, trapezoid, B-steer, dual imaging, Dual Slow-Motion Display, wideview panoramic, HI-Definition-Zoom, pan Zoom; picture in picture
Scan format	
Transducer inputs	3 active ports

Highlights

- Light weight compact multi-disciplinary platform with ergonomic design.
- Symphonic Technologies underpin outstanding quality of diagnostic images.
- High quality IPS-PRO high contrast monitor panel
- Wide range of transducers, including dedicated probes for interventional guidance, urology and TEE applications.
- Advanced modalities: Real-time Elastography, Contrast harmonic imaging.
- Advanced analysis: Time Intensity Curve, eTracking/Wave Intensity, 2D Tissue Tracking.



Hitachi Aloka HI VISION Ascendus

Mode	B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow-mode; triplex-mode; TDI; elastography; contrast harmonic imaging; freehand 3D / 4D; 4D-Elastography; Real-time Virtual Sonography
Scan format	Sector, linear and convex array, 360° scanning, trapezoid, B-steer, dual imaging, wide-view panoramic, HI-Definition-Zoom, pan Zoom; picture in picture
Transducer inputs	4 active ports

Highlights

- Award-winning, unique ergonomic design gives increased system flexibility
- Graphical user interface incorporating smart tab menus, image thumbnails and touchscreen panel for image optimisation
- Advanced signal processing for allround high performance imaging
- Optional expert modalities such as real-time elastography, contrast harmonic imaging and multi-modality fusion imaging
- Supports leading edge technologies such as 4D-elastography and real-time automatic calculation of ejection fraction



Hitachi Aloka HI VISION Preirus

Mode	B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow-mode; triplex-mode; TDI; elastography; contrast harmonic imaging; freehand 3D / 4D; Real-time Virtual Sonography; realtime Bi-plane
Scan format	Sector, linear and convex array, 360° scanning, trapezoid, B-steer, dual imaging, wideview panoramic, HI-Definition-Zoom, pan Zoom; picture in picture
Transducer inputs	3 active ports

Highlights

- 3 types tissue harmonic imaging (choice of 6 frequencies)
- Award-winning, unique ergonomic design gives increased system flexibility
- Tissue adaptive filtering, HI Rez+ (6 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



HitachiAloka HI VISION Avius

Mode	B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow-mode; triplex-mode; TDI; elastography; contrast harmonic imaging; freehand 3D / 4D; simultaneous Bi-plane
Scan format	Sector, linear and convex array, 360° scanning, trapezoid, B-steer, dual imaging, wideview panoramic, HI-Definition-Zoom, pan Zoom; picture in picture
Transducer inputs	3 active ports

Highlights

- 3 types tissue harmonic imaging (choice of 6 frequencies)
- Tissue adaptive filtering, HI Rez+ (6 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 Aloka Noblus

Mode	B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow-mode; triplex-mode; TDI; elastography; contrast harmonic imaging; 4D; simultaneous Bi-plane
Scan format	Sector, linear and convex array, 360° 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 for premium performance
- Flexibly designed in the form of a laptop PC with optional cart
- Unique space-saving design that allows the operating console to fold up
- Tilt and swivel monitor
- Smart Touch feature for parameter adjustment by direct touch on image screen



Hitachi Aloka 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



Hitachi Aloka ProSound Alpha 7

Mode	B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; RT-Elasto; BbH tissue & contrast; RT-3D; freehand 3D
Scan format	Sector, linear and convex array, trapezoid, extended Field of View, 360° Scanning
Transducer inputs	3 active ports


Highlights

- Powerful, friendly and compact for wide range applications
- Auto IMT, NT, eTracking and WI, contrast analysis
- Sound velocity control for a perfect focused HD image
- Wide vascular features range for easy definition of peripheral stenotic vessels



Hitachi Aloka ProSound Alpha 6

Mode	B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; BbH & 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 focused imaging
- Wide range of features for Women's Health and perinatal imaging

Hitachi Aloka F 37

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
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 Aloka F31

Scan format	Sector, linear, convex, trapezoid, compound, AIP, ext. Field of View
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
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

Samsung Medison UGEO WS80A

Mode	B-mode, SDMR evo, M-mode, color M-mode, arbitrary M-mode, color Doppler, power Doppler, directional power Doppler, spectral Doppler(PW/CW), tissue Doppler imaging-mode, volume-mode (3D/4D, XI™, MXI™)
Scan format	Linear, trapezoidal, compound linear, Single crystal convex, 3D-convex, Wide Endocavity
Transducer inputs	4




Highlights

- 21.5" Full HD LED monitor
- 10.1" LED Touch Screen
- Volume NT & IT / 3D XI
- 5D NT, 5D LB, 5D CINE
- MPI
- e-DEB
- Advanced FRV
- Volume NT & IT / 3D XI
- HD ADVR
- Thyroid Elastscan with ECI
- 6 Probe Holders, 1 Gel Warmer
- SSD 512GB

Samsung Medison UGEO HM70A

Mode	B-Mode, M, Color Doppler Imaging, Power Doppler Imaging, S-Flow, Power Pulse Inversion Imaging, PW Spectral Doppler imaging, CW Doppler imaging, Tissue Doppler Wave, Elastoscan(E), 3D/4D, Dual modes, Quad Modes, Combined modes, Simultaneous mode
Scan format	Linear, trapezoidal, compound linear, convex, micro convex, 3D-convex, phased array sector and pencil
Transducer inputs	3(Cart)+1(Pencil)




Highlights

- Compact Cart with 3 probe ports
- Hybrid BF Engine and S-Flow
- Single Crystal Probe (SC1-6)
- Needle Mate for Regional anesthesia, Vascular access
- Full Screen Mode
- Elastoscan(Small Parts, Breast, Prostate, Adnexa)
- Embedded Power supply in the cart
- Fast Booting (10 sec)

Samsung Medison UGEO PT60A

Mode	B-Mode, Color Doppler Mode, Power Doppler Mode, M Mode, PW Spectral Doppler Mode, 2D/C/PW Mode, 2D/PD/PW Mode
Scan format	Linear, trapezoidal, compound linear, convex, phased array sector
Transducer inputs	3



Highlights

- Full touch LED Screen
- 3Probe cart using micro-connector
- SDMR, SCI, Needle Mate
- Zoom Navigator
- Auto IMT
- Light Weight (3.6kg)
- Long Battery time (80Min)
- Docking cart

Samsung Medison UGEO H60

Mode	B-mode, pulse inversion harmonic imaging, Color Mode, DynamicMR, M-mode, Anatomical M-mode, Power Doppler, S-Flow Mode, Pulse Wave spectral Doppler, Volume Mode (Live 3D / 4D and 3D XI)
Scan format	Linear, trapezoidal, compound linear, convex, micro convex, 3D-convex, phased array sector and pencil
Transducer inputs	3 + 1



Highlights

- 18.5" wide LED monitor (1,366 x 768, 16:9)
- 10.1" LED Touch Screen(1,280 x 800)
- Control panel lifting & rotation
- Printer storage (Color & BW thermal printer)
- Hybrid BF engine
- Single crystal (SP3-8)
- 3D XI
- e-Motion Marker
- Volume NT/IT
- Auto IMT
- Beam Steering
- User programmable Touch screen menu
- User customizable keys

Samsung Medison Accuvix A30

Mode	B-mode, dynamic MR plus, M-mode, color M-mode, arbitrary M-mode, color Doppler, power Doppler, directional power Doppler, spectral Doppler (PW/CW), tissue Doppler imaging-mode, volume-mode (3D / 4D, XI, MXI), Tissue Doppler
Scan format	Linear, trapezoidal, compound linear, convex, micro convex, 3D-convex, phased array sector and pencil, Intra-operative
Transducer inputs	4 + 1



Highlights

- 21.5" wide LED monitor (1,920 x 1,080)
- Hybrid beamforming Engine
- Multi-speciality live 3D / 4D Ultrasound system
- Customized EZ exam
- Realtime DVD recording ADVR
- Advanced 3D-features - VSI, SFVI, FAD, SmoothCut
- Thyroid Elastocan with ECI
- 9" wide LED touchscreen control (800 x 480 x 24 bits)
- Single Crystaly Technology
- FRV (Feto Realistic View)

SonoScape



S40
Style and Performance




www.sonoscape.com

Caring for Life through Innovation

Samsung Medison Accuvix XG

Mode	B-mode, dynamic MR, dynamic MR plus 2.0, M-mode, color M-mode, arbitrary M-mode, color Doppler, power Doppler, directional power Doppler, spectral Doppler (PW/CW), tissue Doppler imaging-mode, volume-mode (3D / 4D, XI, MXI)
Scan format	Linear, trapezoidal, compound linear, 3D-linear, convex, micro convex, 3D-convex, phased array sector and pencil, Intra-operative
Transducer inputs	3 + 1




Highlights

- Multi-speciality live 3D / 4D ultrasound system
- HD volume imaging
- 3D XI and 3D Multi-eXtended Imaging
- 3D XI STIC, VOCAL, XI VOCAL
- 9" wide LED touch screen control (800 x 480 x 24 bits)
- Advanced 3D-features - VSI, SFVI, FAD, SmoothCut

Samsung Medison EK07

Mode	B-mode, dynamic MR plus, M-mode, color M-mode, arbitrary M-mode, color Doppler, power Doppler, directional power Doppler, spectral Doppler (PW/CW), Tissue Doppler
Scan format	Linear, trapezoidal, compound linear, convex, micro convex, phased array sector and pencil, TEE
Transducer inputs	3+1




Highlights

- 19" LCD Monitor(1,280 × 1,024)
- 3 plane strain with parametric result display
- Easy-expandable Stress echo
- AutoIMT: Auto Carotid Measurement Function for diagnosis time reduction
- 4-Way Motorized TEE

Samsung Medison SonoAce R7

Mode	B-mode, Tissue and pulse inversion harmonic imaging, DynamicMR, DynamicMR plus, M-mode, color M-mode, spectral Doppler (PW/CW), color Doppler, power Doppler, Live 3D / 4D and 3D XI
Scan format	Linear, trapezoidal, compound linear, convex, 3D-convex, phased array sector
Transducer inputs	3




Highlights

- Multi-speciality live 3D / 4D ultrasound system
- 3D XI Multi slice view, Oblique view, Volume CT
- High resolution (1,280 x 1,024) 17" LCD monitor
- High sensitive color and doppler
- Extreme high dynamic range (200 dB)

Samsung Medison MySono U6

Mode	B-mode, M-mode, color M-mode, pulsed wave spectral Doppler, color Doppler, power Doppler, tissue harmonic imaging, pulse inversion harmonic imaging, Live 3D, 3D XI, DynamicMR plus
Scan format	Linear, trapezoidal, compound linear, convex, 3D-convex, phased array sector
Transducer inputs	2




Highlights

- Multi-speciality live 3D- / 4D-ultrasound system
- Continuous wave doppler imaging
- High resolution color 15" LED monitor
- High sensitive color and doppler
- Extreme high dynamic range (200 dB)

Siemens ACUSON Antares

Mode	B-mode, color Doppler, power Doppler, PWDoppler (duplex, triplex), Doppler tissue imaging (color and PW), CW spectral Doppler, M-mode and color Doppler M-mode, curved array, phased array, linear, endocavity, 3D-/4D-imaging, pencil
Scan format	
Transducer inputs	3




Highlights

- High-end ultrasound system
- 3D-/4D-imaging
- Cadence CPS Contrast enhanced imaging
- Hanafy lens transducer technology
- MultiHertz multiple frequency imaging technology
- Advanced breast imaging application with eSieTouch elasticity imaging and fatty tissue imaging technologies
- Advanced SieClear spatial com-pounding with dynamic TCE technology
- Advanced fourSight technology
- TEQ ultrasound technology: clarify vascular enhancement technology, syngo auto OB measurements

Siemens ACUSON S3000

Mode	B-mode, color Doppler, power Doppler, PWDoppler (duplex, triplex), Doppler tissue imaging (color and PW), CW spectral Doppler, M-mode and color Doppler M-mode, curved array, phased array, linear, endocavity, 3D-/4D-imaging, pencil
Scan format	
Transducer inputs	3 micro-pinless + 1 park



Highlights

- Excellent image quality, even in difficult patients
- Next generation HD transducer technology
- One-Click eSie Fusion - fusion imaging in seconds
- eSie Touch Elasticity Imaging
- The most comprehensive strain analysis toolbox including Virtual Touch Tissue IQ
- Advanced transducer technology including micro-pinless connectors, Hanafy lens and matrix arrays
- Contrast Pulse Sequence technology
- Automatic measurement of lesions with eSie Calcs native tracing software

Siemens ACUSON S2000

Mode	B-mode, color Doppler, power Doppler, PWDoppler (duplex, triplex), Doppler tissue imaging (color and PW), CW spectral Doppler, M-mode and color Doppler M-mode, curved array, phased array, linear, endocavity, 3D-/4D-imaging, pencil
Scan format	
Transducer inputs	3 micro-pinless + 1 park

Highlights

- Excellent image quality, even in difficult patients
- Most comprehensive suite of transducers and exam types
- HD tansducer technology
- eSie Touch Elasticity Imaging
- Virtual touch tissue imaging and tissue quantification
- Advanced transducer technology including micro-pinless connectors, Hanafy lens and matrix arrays
- Contrast Pulse Sequence technology
- Automatic measurement of lesions with eSie Calcs native tracing software
- ABVS automated breast volume scanning



Siemens ACUSON S2000 Automated Breast Volume Scanner



Highlights

- Ideally suited to image patients with dense breast tissue and/or a history of breast disease
- Acquisition of full-field volumes of the breast automatically, quickly and comfortably
- Efficient and comprehensive analysis of the volume data
- Comprehensive BI-RADS reporting capabilities
- Patient friendly - minimal compression
- No radiation

Siemens ACUSON S1000

Mode	B-mode, color Doppler, power Doppler, PWDoppler (duplex, triplex), Doppler tissue imaging (color and PW), CW spectral Doppler, M-mode and color Doppler M-mode, curved array, phased array, linear, endocavity, 3D-/4D-imaging, pencil
Scan format	
Transducer inputs	3 micro-pinless + 1 park

Highlights

- Premium performance at exceptional value
- Excellent image quality, even in difficult patients
- Most comprehensive suite of transducers and exam types
- Migration of clinically proven applications
- eSie Touch Elasticity Imaging
- Advanced transducer technology including micro-pinless connectors, Hanafy lens and matrix arrays
- Contrast Pulse Sequence technology
- Automatic measurement of lesions with eSie Calcs native tracing software



Siemens ACUSON X700

Mode	B-mode, Phased and filtered THI, Color, Color velocity mode, power Doppler, Bidirectional power Doppler, pulse wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. Color & Anatomical Curved, phased & linear array, endocavity, 3D-/4D-imaging
Scan format	
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 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, endocavity, 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 four sight technologies
- 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, endocavity, linear array
Transducer inputs	3


Highlights

- Hanafy lens transducer technology
- Tissue harmonic imaging
- 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, endocavity, linear array
Scan format	array, curved array, endocavity, linear array
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, Color Doppler, power Doppler
Scan format	Curved array, linear array
Transducer inputs	wireless




Highlights

- World's first wireless transducer Ultrasound system
- Excellent image quality
- System design optimized for needle procedures
- Wireless transducers can be disinfected, sterilized or covered in a sterile bag
- Comprehensive automatic image optimization for easy system operation
- Perfect solution for Point of Care applications

Siemens ACUSON P10

Mode	B-Mode, harmonic modes
Scan format	Phased array
Transducer inputs	Single handheld unit with integrated transducer




Highlights

- Excellent image quality
- Instant power-up
- Removable, rechargeable battery
- Simple, intuitive user interface
- TGO tissue grayscale optimization technology
- Application presets
- SD memory card and USB port
- Offline image review software

SIUI Apogee 5500

Mode	B-mode, M-mode, CFM/CPA/DPA-mode, PWD-mode, CW-mode, TDI-mode, Anatomic M mode, 3D/4D, E-mode
Scan format	4D volume, linear, convex, phased array, micro-convex, trans-vaginal, trans-rectal, bi-plane
Transducer inputs	4




Highlights

- Graceful and intelligent, redefine the standard
- Ultracloud--unprecedented Cloud experience
- MFI
- VS-Flow
- 4D Pro (optional)
- Nanoview (Speckled Reduction)
- XBeam (Compound Imaging)
- Panoscope (Panoramic Imaging)
- SonoAir (Transmit images to iPad/iPhone or the wireless Printer)

SIUI Apogee 1000

Mode	B-mode, M-mode, C-mode, PWD-mode, CW-mode, Anatomic M mode
Scan format	linear, convex, phased array, micro-convex, trans-vaginal, trans-rectal, bi-plane
Transducer inputs	1




Highlights

Portable wisdom facilitate your diagnosis

- Ultracloud – unprecedented Cloud experience
- MFI
- VS-Flow
- Nanoview (Speckled Reduction)
- XBeam (Compound Imaging)
- Panoscope (Panoramic Imaging)
- SonoAir (Transmit images to iPad/iPhone or the wireless Printer)

SIUI Apogee 3800 Touch

Mode	B-mode, M-mode, CFM/CPA/DPA-mode, PWD-mode, 3D / 4D, E-mode
Scan format	4D volume, linear, convex, micro-convex, trans-vaginal, trans-rectal, bi-plane
Transducer inputs	4



Highlights

- Wideband-beam emission technology
- Nanoview (Speckle Reduction)
- XBeam (Compound Imaging)
- Smart GSC (Grey Scale Enhancement)
- Panoscope (Panoramic Imaging)
- Auto IMT (intima-media thickness) measurement
- SonoAir (Transmit images to iPad/iPhone or the wireless Printer)

SIUI Apogee 3800 Omni

Mode	B-mode, M-mode, C-mode, PWD / CWD-mode, TDI mode, Color M-mode, 3D / 4D
Scan format	4D-volume, linear, convex, micro-convex, trans-vaginal, phase array
Transducer inputs	4



Highlights

- Frequency spectrum compound imaging
- Broadband harmonic imaging
- Multi-beam forming technology
- Adaptive speckle reduction technology
- Spatial compound imaging
- Accurate doppler flow imaging
- Complete cardio-vascular kits

SIUI Apogee 3500 Touch

Mode	B-mode, M-mode, CFM/CPA/DPA-mode, PWD-mode, CW mode, 3D/4D, E-mode
Scan format	4D volume, linear, convex, micro-convex, trans-vaginal, phased array, trans-rectal, bi-plane
Transducer inputs	4



Highlights

- XBeam (Compound Imaging)
- Wideband-beam emission technology
- Nanoview (Speckle Reduction)
- Panoscope (Panoramic Imaging)
- Penetration exam mode
- 18.5" LCD monitor

SIUI Apogee 3500 Omni

Mode	B-mode, M-mode, C-mode, PWD/CWD-mode, TDI mode, Color M-mode, Stress echo, 3D/ 4D
Scan format	4D-volume, linear, convex, micro-convex, trans-vaginal, phase array
Transducer inputs	4



Highlights

- Frequency spectrum compound imaging
- Broadband harmonic imaging
- Adaptive speckle reduction technology
- Advanced cardio-vascular kits
- Intelligent optimization
- Smart image mode display
- 17" high resolution medical LCD

SIUI Apogee 1200 Touch

Mode	B-mode, M-mode, C-mode, PWD-mode, CW-mode, 3D / 4D, E-mode
Scan format	4D-volume, linear, convex, phased array, micro-convex, trans-vaginal, trans-rectal, bi-plane
Transducer inputs	2



Highlights

- Fusion Freq
- Wideband-beam emission technology
- XBeam (Compound Imaging)
- Smart GSC (Grace Scale Enhancement)
- Smart elastography for breast exams
- Advanced 4D experience in OB / GYN
- Panoscope (Panoramic Imaging)
- Auto IMT (intima-media thickness) measurement

SIUI Apogee 1200 Omni

Mode	B-mode, M-mode, C-mode, PWD / CWD-mode, TDI mode, Color M-mode, Stress echo, 3D / 4D
Scan format	4D-volume, linear, convex, micro-convex, trans-vaginal, phase array
Transducer inputs	2



Highlights

- Frequency spectrum compound imaging
- Broadband harmonic imaging
- Adaptive speckle reduction technology
- Accurate color flow imaging
- Smart cardio-vascular clinical kits
- External 15" high resolution LCD with smart trolley

SIUI CTS-8800Plus Color

Mode	B-mode, M-mode, C-mode, PWD mode, 3D / 4D,THI
Scan format	4D-vplume, linear, convex, micro-convex, trans-vaginal, trans-rectal
Transducer inputs	2




Highlights

- Speckle reduction technology
- Spatial compound imaging
- 4D Lite(Optional)
- 15" medical LCD

SIUI Apogee 1200V

Mode	B-mode, M-mode, C-mode, PWD-mode, 3D / 4D, Anatomical M Mode, Color M mode
Scan format	4D-volume, linear, convex, micro-convex, trans-vaginal, phase array
Transducer inputs	2



Highlights

- Anatomical M Mode
- Color M Mode
- ECG Module
- Compound Imaging
- Panoramic Imaging
- Automatic Optimization(B,PW mode)
- Speckled Reduction
- 4D Imaging
- Continuous Wave Doppler mode (CWD)
- Edit the exam type and save the user-defined items

SIUI CTS-800

Mode	B mode, B/M mode, M mode, Zoom B mode
Scan format	Linear, Convex, Micro-convex, Linear (back fat)
Transducer inputs	1




Highlights

- Gravity Sensor
- Grid for estimation
- Battery
- Video glasses (Optional)
- Palm size design
- 7-inch WVGA LCD monitor
- Environmental rating:
 - IP 54 (main unit)
 - IP 67(probe head)

SonoScape S40

Mode	B-mode, M-mode, 2B-mode, 4B-mode, CFM, PDI, TDI, PW, CW, 3D, 4D
Scan format	Linear, Convex, Micro-convex, Endocavity, Phased Array, Intraoperative, TEE, Bi-plane, Pencil, Volumetric, Endocavity 4D and Laparoscope probe
Transducer inputs	5+1




Highlights

- 19" high definition LCD monitor
- 10" touch screen with 15° adjustable angle
- Height and position adjustable control panel
- Additional endocavity probe holder and gel warmer
- TDI, stress echo and elastography

SonoScape S9

Mode	B-mode, M-mode, 2B-mode, 4B-mode, CFM, PDI, TDI, PW, CW, 3D, 4D
Scan format	Linear, Convex, Micro-convex, Endocavity, Phased Array, Intraoperative, TEE, Bi-plane, Pencil, Volumetric, Endocavity 4D and Laparoscope probe
Transducer inputs	2




Highlights

- 15" LCD with 50° adjustable angle
- Smart full touch panel with 140° convertible open angle
- TDI, Stress Echo and Elastography
- Built-in battery ensures 90 minutes scanning
- Stylish trolley with abundant accessories

SonoScape S30

Mode	B-mode, M-mode, 2B-mode, 4B-mode, CFM, PDI, TDI, PW, CW, 3D, 4D
Scan format	Linear, Convex, Micro-convex, Endocavity, Phased, Intraoperative, TEE, Bi-plane, Pencil, Volumetric and Endocavity 4D probe
Transducer inputs	5




Highlights

- 19-inch high definition LCD monitor with wide viewing angle
- 10-inch touch screen
- Height adjustable control panel
- Five transducer sockets
- Speckle reduction and compound imaging technologies
- Excellent application technology: 4D, real-time panoramic, triplex, IMT, color – M-Mode, steer M-Mode, TEI Index, TDI and stress echo
- Full patient database and image management solutions: DICOM 3.0, AVI/JPG, – USB2.0, HDD, DVD, PDF report

SonoScape S8EXP

Mode	B-mode, M-mode, 2B-mode, 4B-mode, 3D / 4D, CFM, PDI, PW
Scan format	Linear, Convex, Micro-convex, Endocavity, Phased, Intraoperative, TEE, Bi-plane, Pencil, Volumetric and Endocavity 4D probe
Transducer inputs	2



Highlights

- 15-inch LCD with 50° adjustable angle
- Two pinless transducer sockets
- Speckle reduction and compound imaging technologies
- Advanced application technology: 4D, real-time panoramic, triplex, IMT, color M-Mode, steer M-mode, TEI index, TDI and stress echo
- Full patient database and image management solutions: DICOM 3.0, AVI/JPG, USB2.0, HDD, PDF report
- Removable Built-in battery with 90 minutes scanning capability
- Stylish trolley with adjustable height

SonoScape S20

Mode	B-mode, M-mode, 2B-mode, 4B-mode, CFM, PDI, TDI, PW, CW, 3D, 4D
Scan format	Linear, Convex, Micro-convex, Endocavity, Phased Array, Intraoperative, Bi-plane, Volumetric
Transducer inputs	4



Highlights

- 8" smart touch screen
- High density transducers with frequency ranges from 1.9 to 15 MHz
- 200° transvaginal imaging with temperature-detection technology for endocavity transducers
- μ -scan, multiple-beam processing, IMT, B-Steer, automatic flow volume analysis

SonoScape S8

Mode	B-mode, M-mode, 2B-mode, 4B-mode, CFM, PDI, TDI, PW, CW, 3D, 4D
Scan format	Linear, Convex, Micro-convex, Endocavity, Phased Array, Intraoperative, Bi-plane, Volumetric
Transducer inputs	2



Highlights

- High density transducers with frequency ranges from 1.9 to 15 MHz
- μ -scan, IMT, B-Steer, multiple-beam processing, automatic flow volume analysis
- TDI, Steer M, Color M; CW, HPRF
- Built-in high capacity lithium battery

SonoScape S6

Mode	B-mode, M-mode, 2B-mode, 4B-mode, 3D / 4D, CFM, PDI, PW
Scan format	Convex, Micro-convex, Endocavity, Phased Array, Linear, Bi-plane, Intra-operative, Volumetric
Transducer inputs	2



Highlights

- Full patient database solutions: DICOM 3.0, AVI / JPG, USB 2.0, HDD, PDF report
- Built-in high capacity lithium battery

SonoScape S2

Mode	B-mode, M-mode, 2B-mode, 4B-mode, CFM, PDI, PW, 4D
Scan format	Linear, Convex, Phased Array, Micro-convex
Transducer inputs	2



Highlights

- Stable imaging technology: μ -scan, compound imaging
- Brand new patient file management speeds up your workflow
- Built-in battery supports you with 1 hour scanning
- Full patient database solution: DICOM 3.0, AVI / JPG, USB 2.0, HDD and PDF report

SonoScape S11

Mode	B-mode, M-mode, 2B-mode, 4B-mode, CFM, PDI, PW, 4D
Scan format	Linear, Convex, Phased Array, Micro-convex
Transducer inputs	3



Highlights

- Compact and agile trolley design
- Customized setting based on your own working style and habit
- Full patient database solution: DICOM 3.0, AVI / JPG, USB 2.0, HDD, DVD and PDF report

SonoScape A6

Mode	B-mode, 2B-mode, 4B-mode, M-mode
Scan format	Linear, Convex, Micro-convex, Endocavity, Bi-plane
Transducer inputs	2



Highlights

- Adjustable 12" LCD monitor with chroma function
- Less than 6kg, convertible design
- THI technology with Five Variable Frequency
- Built-in high capacity lithium battery

SuperSonic Imagine Aixplorer

Mode	B-mode, Color Doppler: Color Flow, Color Power, Directional Color Power, Pulsed Wave Doppler, M-Mode, Contrast (CEUS), ShearWave™ Elastography (SWE), 3D B-mode and 3D SWE
Scan format	Linear, trapezoid, convex, endocavity, micro convex, 3D-linear
Transducer inputs	4

Highlights
Aixplorer is a next-generation, multi-application, ultrasound system with two patented technological breakthroughs in addition to impeccable B-mode image quality:

- ShearWave Elastography: offers advantages in lesion characterization by assessing quantitative, local tissue elasticity in real time, providing user-skill independent and reproducible results.
- UltraFast Doppler: unites color Doppler with PW Doppler rendering ultrafast frame rates, comprehensive flow information without compromises, complete spectral Doppler analysis in seconds and simultaneous comparisons of multiple sample volumes.




Toshiba Aplio 500

Mode	2D-, 3D-, 4D-, M-mode, PW/CW Doppler, high PRF, color / power Doppler, ADF
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, Tissue Specific Optimization, Advanced Dynamic Flow, Superb Micro Vascular Imaging
- Whole body 4D-imaging including advanced modes such as CEUS; surface, MPR, MultiView, Luminance
- FlyThru virtual endoscopy, Smart Fusion virtual volume navigation, realtime elastography, Acoustic Structure Quantification, MicroPure, Auto IMT, Wall Motion Tracking
- Advanced CEUS contrast imaging 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
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 Specific Optimization, Advanced Dynamic Flow, Superb Micro Vascular Imaging
- Whole body 4D-imaging including advanced modes such as CEUS; surface, MPR, MultiView, Luminance
- Realtime elastography, MicroPure, Auto IMT, Wall Motion Tracking, advanced CEUS contrast imaging incl. VRI and MicroFlow imaging
- iStyle+ productivity suite 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
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
- Whole body 4D-imaging; surface rendering, MPR, MultiView, Luminance
- Realtime elastography, Auto IMT, 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
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, Stress Echo, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan and 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, 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

- Premium image quality
- 5 seconds bootup time
- Hybrid operation with touch screen and programmable panel
- Versatile mounting in desktop, cart and tablet modes
- One-click workflow control
- TissuePure speckle reduction
- ApliPure realtime compound imaging

AGITO MEDICAL Refurbished GE Logiq E



Highlights

- Refurbished medical equipment
- Service contracts
- Spare parts
- Probes and probe repair
- We purchase your used equipment

AGITO MEDICAL Refurbished GE Voluson E



Highlights

- Refurbished medical equipment
- Service contracts
- Spare parts
- Probes and probe repair
- We purchase your used equipment

AGITO MEDICAL Refurbished Siemens Acuson S2000



Highlights

- Refurbished medical equipment
- Service contracts
- Spare parts
- Probes and probe repair
- We purchase your used equipment

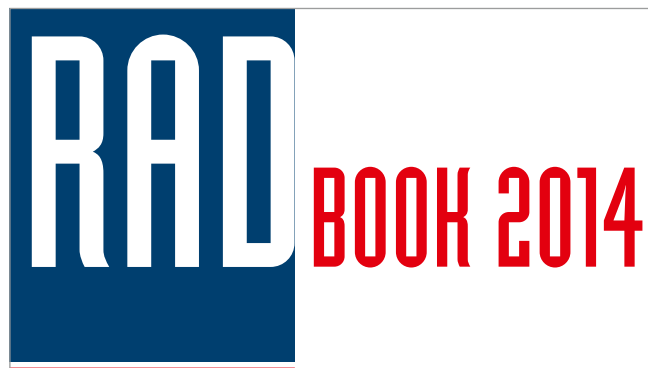
ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology CIRS Phantoms



Highlights

- Fetal ultrasound phantom family
- Ultrasound heart phantom
- Quality assurance test phantoms for US scanners
- Male and female ultrasound pelvic phantoms
- Prostate phantom family - Breast phantom family
- Thyroid ultrasound training phantom
- Kidney training phantom
- Vascular access training phantom kit



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TESTING DEVICES

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
 - 1 adapter for ionization chamber DCT10-RS / Lemo

IBA Dosimetry Dosimax plus A



Highlights

PTB-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



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 and DIN 6868-4, 2007)
- Test parameters:
 - Dynamic range
 - DSA contrast sensitivity
 - Artifacts
 - Logarithmic check

IBA Dosimetry IQ Analyzer Primus



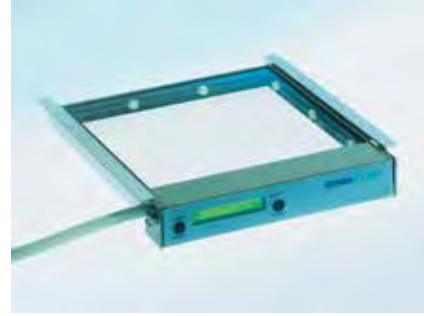
Highlights

- The IQ Analyzer Primus software performs fast, quantitative and reproducible constancy measurement on multiple imaging modalities, including CR, DR, RF, DX and XA systems.
- Select Images; Efficient loading of DICOM images
 - Automatic Analysis; Image quality verification 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 KermaX plus DDP "Single"**Highlights**

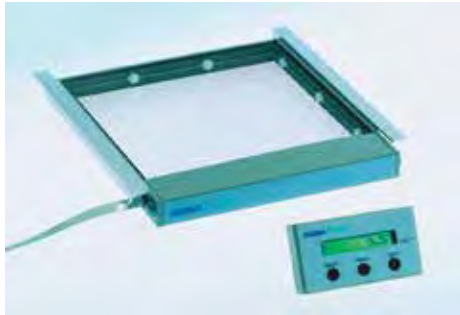
Duo-channel multifunctional dosimeter dedicated to measure DAP or DAP rate or exposure time in patient dose monitoring.

- 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**Highlights**

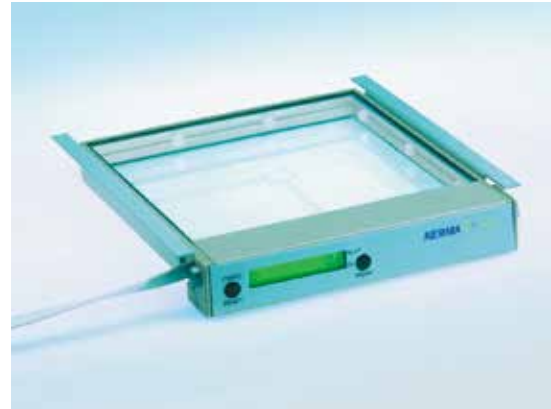
Ideal solution for a quick and convenient retrofit installation dedicated to measure DAP and DAP rate for patient dose monitoring.

- 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 due to its digital resolution of 0.01 μGy^2

IBA Dosimetry KermaX plus 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 μGy^2

IBA Dosimetry KermaX plus 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**

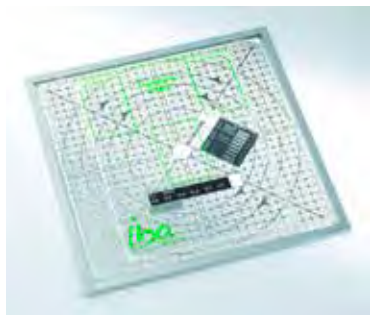
- Measurements are controlled and displayed by an easy-to-use software
- Depending on application, MagicMaX Universal uses the following detectors:
 - RQA – single detector for radiography, fluoroscopy and dental applications
 - RQM – single detector for mammography
 - XR – multi-detector for radiography and fluoroscopy applications
 - XM – multi-detector for mammography
 - DCT10-MM and DCT30-MM Ionization chambers for CT
- Measurement parameters: dose / dose rate and dose per pulse, noninvasively practical peak voltage, exposure time, total filtration, first half value layer (HVL)

IBA Dosimetry Test Device DIGI-13**Highlights**

For quality checks at all types of CR/DR radiographic systems

- Test parameters:
 - Signal standardization
 - homogeneity
 - Alignment of light and X-ray field
 - Artifacts
 - Check of dose indicator
 - Spatial and contrast resolution
 - Image scale
 - Geometry symmetry

IBA Dosimetry Test Device ETR1 incl. Centering Tube



Highlights

- For quality checks in conventional radiography and fluoroscopy (DIN 6868-5, -4 and IEC 61225-2-9 / -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 61225-3-2 and DIN 6868-7 / EPOC (EUREF) in conventional mammography
- Test Parameters:
 - Object thickness and tube voltage compensation resp. AEC reproducibility
 - Attenuation factor
 - Spatial resolution
 - Contrast and image resolution
 - Artifacts
 - Geometry
 - Check of missed tissue at chest wall

IBA Dosimetry Test device PASMAM 1054 A/C



Highlights

Consisting of:

- 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 (at some X-ray units necessary)
- Test insert for acceptance tests with golden discs - AP
- Test insert PMMA with square marking
- Test insert for constancy tests - ACR
- Test insert high contrast resolution
- Test insert contrast to noise ratio
- Carrying case

IBA Dosimetry Test device PASMAM 1054 C

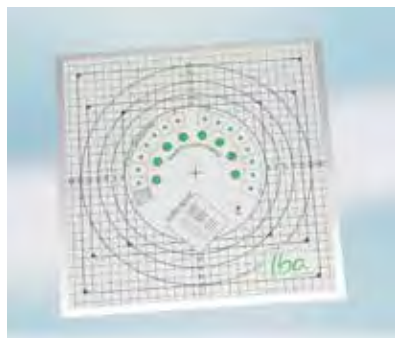


Highlights

Consisting of:

- 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
- PMMA-test insert with square marking
- Test insert for constancy tests - ACR
- Test insert high contrast resolution
- Test insert contrast to noise ratio
- Carrying case
- Attenuation body 2 x 20 / 2 x 10 mm

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 in mm: 300 x 300 x 18.5

Quart dent/digitest Dental QA/QC Test Phantom



Highlights

- The QUART dent/digitest 2D dental imaging test phantom is designed to test parameters according to DIN and IEC QA/QC requirements.
- It features patient equivalent filtration and objects to perform full-scale image quality analyses.
- Parameters
 - Spatial resolution
 - High-contrast resolution
 - Low-contrast resolution
 - Homogeneity/artefacts
 - Radiation field/tube alignment

- The phantom is also available with enhanced resolution and low-contrast objects (M1 and M2 version) for a critical examination of image quality related parameters.

Quart dido2000 Series Diagnostic X-Ray Meters

Highlights

- The QUART dido2000 series diagnostic x-ray dosimeters can be used for measurements in Radiography, (Pulsed) Fluoroscopy, DSA, Dental, 3D (CBCT), and Mammography.
- The meters are multi-functional quality control platforms featuring optimised size and design for their areas of application.
- Features
 - compact multi-functional state-of-the-art solid state detector
 - downsize-detector design
 - enable measurements in spots with limited space
 - straight-forward and easy detector positioning



- measurements behind scatter radiation grids
- direct measurement of dose-width product (DWP) in dental panoramic applications

Quart didoEASY Diagnostic X-Ray Meters

Highlights

- The QUART didoEASY meters are designed for quick measurements of dosimetric parameters in x-ray QA/QC. They automatically compensate all radiation qualities in their area of application. Three meter versions are available: for R/F and Dental (40-160kV), for Mammography (25-40kV) and one for the full diagnostic range (25-160kV).
- The compact detector enables even technically demanding measure-



ments, e.g. behind scatter radiation grids to determine equipment attenuation factors or dose in image receiver plane.

- Parameters
 - Dose
 - Dose rate
 - Exposure time

Quart didoSVM Precision Survey Meter

Highlights

- The QUART didoSVM survey meter is designed to detect beta, gamma and x-ray sources of very low intensity. It features an excellent energy response to measure radiation rate and dose.
- The didoSVM detects leakage and scatter radiation around diagnostic x-ray equipment as well as in radiation therapy environments.



- compact and light-weight radiation detector and base unit
- solid-state technology
- accurate detection of signals against background noise
- detects radiation from leakage, scatter beams and pinholes
- detector and base unit connect magnetically for one-hand use
- detector mountable on tripod or a telescopic extension

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, -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.



- The evaluation of the QA test is easy because the low-contrast objects can be quickly identified behind each step. This provides optimal threshold identification in the test image.
- An application note for automated contrast-to-noise (or SDNR) ratio evaluation is available with the phantom.

Quart DVT_150 CBCT Image 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 simple resolution test assessment.



- Parameters
 - Spatial Resolution
 - Homogeneity
 - Artefacts
- Areas of Application
 - Cone-Beam CT
 - (Dental) 3D imaging
 - ENT
 - Angiography

Quart DVT_AP Cone-Beam CT Test Phantom

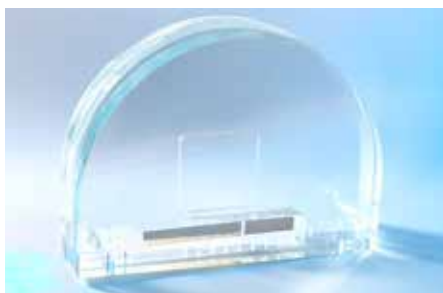
Highlights

- The QUART DVT_AP phantom is designed for QA/QC at Cone Beam CT (CBCT), Dental Volume Tomography (DVT) and 3D imaging equipment. That includes applications in dental 3D imaging as well as angiography in C-arm x-ray applications. Based on latest research, the solution can also be utilised for standard CT IQ tests.
- An associated QA software automatically evaluates all parameters which are essential for the



assessment of imaging quality of CBCT equipment. The interface is specifically designed for technical acceptance or commissioning tests and complies with DIN 6868-161.

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 images can be visually checked or automatically evaluated through the unique QUART MammoPro software module.
- The phantom incorporates QUART's unique Landolt ring objects. They are used to verify low-contrast and perceptibility limits. The Landolt C's were developed to directly compare to the actual morphology of microcalcifications.

Quart nonius X-Ray Field Ruler



Highlights

- The QUART nonius is a sophisticated but easy-to-use measuring instrument to verify size and geometrical properties of x-ray fields in Radiography and Mammography. It can also be used to analyse characteristics of fanned CT or dental OPT x-ray beams.
- Its precision goes down into to the nonius range of 0.1 mm!
- Mode of Operation
 1. Connect the device via USB to a Laptop or Tablet PC (Windows OS).
 2. Position the head unit at the respective position.
 3. Use edge of light field or a reference point for alignment.
 4. Trigger the QA/QC exposure.
 5. Immediately evaluate the results on screen.
 6. Print out a test report, transfer or store the data.

Quart SP_dl R/F Image IQ Phantom



Highlights

- The QUART SP_dl 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 to be combined with the phantom to test large image formats up to 33x33cm. A wire mount system for use with wall stand units is also available.
- Parameters
 - Radiation quality
 - Spatial resolution
 - High-contrast resolution
 - Low-contrast resolution
 - Homogeneity / artefacts
 - Radiation field alignment

Radcal Corporation Radcal ACCU-GOLD+



Highlights

- Extensive Sensor Selection
- Rapid Simultaneous Measurements
- The Smallest Footprint Solid State Sensor
- Both Solid State and Gold Standard Ion Chamber Technology
- Accu-Gold+ Customizable Software

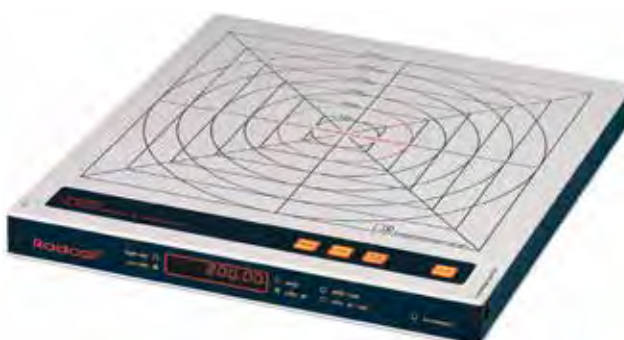
Radcal Corporation Radcal ACCU-PRO



Highlights

- X-Ray Analyzer
- Simultaneous dose, rate, time, kVp, HVL, filtration, mA / mAs and more
- Use for manufacturing, installation, QA and service
- R/F, mammography, CT, dental, leakage
- Ion chamber and solid state sensor dosimetry no corrections required
- Correctly measure AEC fluoro and filtered beams
- Remote control, waveforms, and archiving with XLPRO Software
- Compact, easy to use

Radcal Corporation 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 Corporation 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

RaySafe i2

**Highlights**

RaySafe i2 is a dosimetry system that provides real-time insight about personal radiation exposure. Thereby, RaySafe i2 enables medical staff to immediately change their behavior in order to minimize their radiation dose. Components of the RaySafe i2 system:

- real-time display (10.4" touch screen)
- 4 dosimeters
- cradle and storage rack
- dose viewer software

RaySafe Solo CT

**Highlights**

The RaySafe Solo CT is a durable solution for performing dose and DLP measurements on CT machines. It offers precise measurements utilizing an ion chamber with 100 mm active length for calculation of CTDI. The hybrid detector of the RaySafe Solo CT combines ion chamber and electronics in one unit. This enables measurement of temperature and pressure inside the ion chamber.

RaySafe Solo DENT

**Highlights**

The RaySafe Solo DENT with its slim detector is the perfect tool for any radiation beam used in dental X-ray. It handles any type of filtration used in dental applications without a need for corrections and enables measurements of kVp, dose, dose rate, time and pulse measurements on cone beam CT, intra-oral and panoramic X-ray machines.

RaySafe Solo DOSE

**Highlights**

The RaySafe Solo DOSE is the most straight-forward model in the RaySafe Solo assortment and measures dose, dose rate, time and pulses on both Radiographic and Fluoroscopic X-ray machines. It is thus the ideal solution when the need is limited to performing dose measurements only.

RaySafe Solo MAM

**Highlights**

The RaySafe Solo MAM is available in two versions: RaySafe Solo MAM and RaySafe Solo MAM dose. They are the ideal solutions for measurements on a large variety of mammography machines.

Both support the beam qualities Mo/Mo, Mo/Al, Mo/Rh, Rh/Rh, Rh/Al, W/Rh and W/Ag and measure dose, dose rate, time, pulse. Additionally, the RaySafe Solo MAM also includes kV for the beam qualities Mo/Mo and W/Rh.

RaySafe ThinX



Highlights

The RaySafe ThinX meets the need for a basic multi-parameter instrument for simultaneous measurement of dose, dose rate, kVp, HVL, time and pulses. All parameters can be continually viewed in the convenient LCD display. There is no need to adjust settings, set-up or range selection, as the RaySafe ThinX works all automatically.

RaySafe X2



Highlights

RaySafe X2 is a complete system and offers sensors for R/F, MAM, CT and even light applications. Sensors and electronics are specifically designed to minimize the need for user interaction. There is no need to select ranges or special modes. Waveforms of kV and dose rate can be analyzed directly on the X2 Base Unit while the touch screen interface enables to view dose data in a comprehensive yet flexible way.

RaySafe Xi



Highlights

RaySafe Xi is a complete system for multiparameter measurements on all X-ray modalities. With up to five detectors (R/F, MAM, CT, Survey and Transparent), it measures everything from kVp and dose to HVL and waveforms. As a modular solution, RaySafe Xi is preferred by leading experts worldwide.

RTI Black Piranha



Highlights

- Simply Plug n Play. The new RTI Black Piranha brings a quickness and power to your X-ray QA work flow. The Black Piranha includes what you would expect in a multifunction meter. Connection to various accessories, tablet and PC is automatic – just plug n play. The Quick Check feature identifies the probes you insert and selects the optimum Piranha settings for your measurements. You can even easily program your own default start-up screen. The Black Piranha can measure on Rad, Fluoro, Dent, Mammo, and CT.

RTI Cobia Flex



Highlights

- Cobia Flex belongs to the straightforward and simple-to-use instruments from RTI. It has all the same smart design and easiness as the Cobia Smart but will also give you the possibility to connect to external dose probes and extra gadgets.
- RTI Ocean QA Software will be updated in June 2014 to be able to interact with the Cobia Flex.

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.



RTI Ocean 2014**Highlights**

- Ocean is RTI's versatile software for X-ray Quality Assurance. By using Ocean you will speed up your total working process and minimize your time in X-ray room. With Ocean you can plan your measurements at your desk in advance, create checklists, add information as a pop-up window for a specific exposure and include instructions to simplify the work for you and your co-workers. After that you perform your measurements and if needed print out the report. Then you can return to your office, and in your own pace continue with trend analysis, more detailed waveform analysis as well as uploading your measurements to a central storage (if requested).

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 μGym^2
- Resolution Dose: 0,003 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: (125 x 125) mm / (147 x 147) mm

VacuTec VacuDAP powered by battery**Highlights**

- VacuDAP compact and VacuDAP Bluetooth can be powered by battery.
- Perfect suitable for mobile X-ray units or temporary installations.
- The battery ensures simplest installation ever.

Technical Specs:

- Resolution DAP: 0,01 μGym^2
- Active area: (125 x 125) mm / (147 x 147) mm
- Operation time: 11 h (VacuDAP compact)
- 13 h (VacuDAP Bluetooth)

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: 0,001 μGym^2
- Resolution Dose: 0,0004 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: \varnothing (8...100) mm

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 ... 1000 $\mu\text{Gy/s}$
- Aluminium equivalent: 0,75 mm Al
- Digital interface: differential pulses (RS422)
- Resolution: 0,025 μGy
- Pulse width: 2 μs
- Analog interface: ramp voltage 0 ... 10 V

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	RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F - Film-Screen	R/F - Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
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Hitachi Medical Systems Europe (Holding) AG Sumpfstrasse 13 6300 Zug, Switzerland ☎ +41 41 748 63 33 welcome@hitachi-medical-systems.com www.hitachi-medical-systems.com				12 17	33 34 36										164 165 166	
Hologic Europe N.V. Leuvensesteenweg 250A 1800 Vilvoorde, Belgium ☎ +32 2 711 4680 hologic.europe@hologic.com www.hologic.com					59			75	86 88 89 90		131					
I.A.E. S.P.A. Via Fabio Filzi, 53 20032 Cormano (MI), Italy ☎ +39 02 66 5032 55 / 02 6152444 iaexray@iae.it www.iae.it				25			60		90		132					
IBA Dosimetry GmbH Bahnhofstr. 5 90592 Schwarzenbruck, Germany ☎ +49 9128 607 14 dosimetry-info@iba-group.com www.iba-dosimetry.com																177 178 179
IMAGE Information Systems Europe GmbH Lange Str. 16 18055 Rostock, Germany ☎ +49 381 496 5820 info@image-systems.biz www.image-systems.biz	5	3 4	197 198					67 69 75 78								
IMS Internazionale Medico Sci Sagittario, 5 40037 Sasso Marconi (BO), Italy ☎ +39 051 846851 imscomm@imsitaly.com www.imsitaly.com									86 89							
INTERMEDICAL SRL E. Fermi, 26 24050 Grassobbio (BG), Italy ☎ +39 035 6594811 info@inter-med.it www.inter-med.it							52 56									
iSOFT Health GmbH, a CSC Company Am Exerzierplatz 14 68167 Mannheim, Germany ☎ +49 621 3928 0 hg-info.deu@csc.com www.csc.com/health_de	5	3 4						67 79								
ITZ Medicom GmbH & Co. KG Siemensring 44 a 47877 Willich, Germany ☎ +49 2154 497960 info@itz-medi.com www.itz-medi.com								67 69 76								
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MECALL S.R.L. Via Negrelli, 55 20851 Lissone (MB), Italy ☎ +39 039 243151 info@mecall.it www.mecall.it											111 128					

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medavis GmbH Bannwaldallee 60 76185 Karlsruhe, Germany ☎ +49 721 92910-360 info@medavis.com www.medavis.com	5	3 4	197 198					67 72 79								
MMS Medicor Medical Supplies GmbH Heinrich-Hertz-Str. 6 50170 Kerpen, Germany ☎ +49 2275 9808-0 zentrale@medicor.de www.mms-medicor.de				22		46	58					157				
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NORAS MRI products GmbH Leibnizstr. 4 97204 Hoechberg, Germany ☎ +49 951 299270 info@noras.de www.noras.de					38 39											
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PTW-Freiburg Physikalisch-Technische Werkstätten Dr. Pöchlau GmbH Loerracher Straße 7 79115 Freiburg, Germany ☎ +49 761 49055-0 info@ptw.de www.ptw.de				25			61	90		132						
QUART GmbH Kirchenweg 7 85604 Zorneding, Germany ☎ +49 8106 / 249118 info@quart.biz www.quart.de								90	98							179 180 181

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Roesys GmbH Dr.-Max-Ilgner-Str. 2 32559 Espelkamp, Germany ☎ +49 5772 9155500 info@roesys.de www.roesys.de										98	112 129					
RTI Electronics Floejebergsgatan 8C 43137 Moelndal, Sweden ☎ +46 31 746 36 00 sales@rti.se www.rti.se																183 184
Samsung Medison Europe Parellaan 10 2132WS Hoofddorp, The Netherlands ☎ +31 235 6490 20 marketing@samsungmedison.eu www.samsungmedison.com											112 114				166 167 168	
SCHILLER AG Altgasse 68, P.O. Box 1052 6341 Baar, Switzerland ☎ +41 41 766 42 42 sales@schiller.ch www.schiller.ch					41											
Sectra AB Teknikringen 20 58330 Linköping, Sweden ☎ +46 13 235 200 info.medical@sectra.com www.sectra.se/medical	3	3 4	197 198					68 75 77 79 80		98			154			
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Shantou Institute of Ultrasonic Instr. Co., Ltd. #77, Jinsha Road 515041 Shantou, China ☎ +86 754 88250150 siui@siui.com www.siui.com																170 171 172
Sonoscape CO., Ltd. 9/F, Yizhe Building, Yuquan Rd. 518051 Shezen, China ☎ +86 755 26722890 sonoscape@sonoscape.net www.sonoscape.com																172 173
Soredex Nahkelantie 160 04300 Tuusula, Finland ☎ +358 10 270 2000 info@soredex.com www.soredex.com				23												
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Workstations

	Multimodality	Mammography	Orthopedics	Cardiology	CAD
	IMPAX	IMPAX	IMPAX	IMPAX	
	Canon PACS	Canon PACS			CAD for Tuberculosis
	CHILI Diagnost	CHILI Diagnost	CHILI Diagnost	CHILI Diagnost	Partner-Solution
	SYNAPSE PACS	AXON Mammo, SYNAPSE PACS		SYNAPSE CARDIOVASCULAR	Digital Mammography CAD
	Centricity PACS Universal Viewer, Universal Viewer Zero Footprint XDS enabled	Centricity PACS Universal Viewer web client provides Breast Imaging tools powered by IDI	Centricity PACS Universal Viewer with integrated Traumacad by Voyant Health	Centricity Cardio Enterprise	Centricity PACS Unive Viewer web client emb advanced visualization powered by AW
			mediCAD Classic mediCAD mobile mediCAD Practice GO mediCAD veterinary		mediCAD Classic mediCAD mobile mediCAD Practice GO mediCAD veterinary
	iQ-VIEW PRO	iQ-VIEW PRO MAMMO TOMO	iQ-VIEW PRO OrthoView	iQ-VIEW PRO 4D	
	Hyper.PACS	Hyper.PACS	Hyper.PACS, Hectec, RSA-Biomedical Localite	Hyper.PACS, PIE-Medical, Tomtec	Hyper.PACS, Intrasense, Terarecon, Median
	Acies ImagePilot	Acies	Acies		Acies
	JiveX Diagnostic	JiveX Diagnostic Mammo, JiveX Diagnostic Tomosynthesis	JiveX Diagnostic	JiveX Diagnostic	Partner Solution
	ImageVision Diagnost	MammoView	ImageVision Basic	ImageVision Diagnost	MammoView CAD
					
	PROPAXX and /or CONAXX 2		PROPAXX and /or CONAXX 2		
	Sectra IDS7/dx, IDS7/mx, IDS7/mqa, IDS7/qa, IDS7/cx	Sectra IDS7/mx, IDS7/mqa	Sectra Preop Online, Sectra Orthostation Package	Sectra IDS7/dx, Sectra Clinical Solution Network	IDS7/mx
	syngo.via, syngo.plaza	syngo.via, syngo.plaza, syngo Mammo Report	MediCAD (HECTEC) ,syngo.via	syngo Dynamics, syngo.via	syngo CAD Application syngo.via
	iNtuition, iNteract+			iNtuition	iNtuition with Aquari APS
	JiveX Diagnostic	JiveX Diagnostic Mammo, JiveX Diagnostic Tomosynthesis	JiveX Diagnostic	JiveX Diagnostic	Partner Solution
	VitreAdvanced			VitreAdvanced	VitreAdvanced

Advanced Visualization

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	Hectec GmbH Ottostr. 16 · 84030 Landshut, Germany ☎ +49 871 142370-0 info@hectec.de · www.hectec.de
iQ-VIEW PRO 4D	IMAGE Information Systems Europe GmbH Lange Str. 16 · 18055 Rostock, Germany ☎ +49 381 496 58 20 info@image-systems.biz · www.image-systems.biz
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mint Liver, mint Lesion, MITK 3M5	Mint Medical GmbH Friedrich-Ebert-Str. 2 · 69221 Dossenheim / Heidelberg, Germany ☎ +49 6221 647976-0 info@mint-medical.de · www.mint-medical.de
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syngo.via	Siemens AG, Healthcare Sector Henkestr. 127 · 91052 Erlangen, Germany ☎ +49 9151 84-0 contact.healthcare@siemens.com · www.siemens.com/healthcare
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