

€ 22.-



The Guide to Imaging
Technology and Informatics in Europe

RAD BOOK 2025

Vol. 19



Discover Siemens Healthineers' innovative technologies and services in diagnostic and therapeutic imaging, laboratory diagnostics, molecular medicine, digital health, and enterprise services.
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MAGNETOM Flow. Platform is currently under development and not commercially available.

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mg^o fachverlage





Dear reader,

the field of medical imaging continues to evolve at an unprecedented pace, and we are proud to present this year's RADbook as your comprehensive guide to the latest innovations in diagnostic imaging technology. In this edition, we showcase the remarkable advances across the entire spectrum of radiological systems. From the high-precision capabilities of modern Computed Tomography and the exceptional soft-tissue visualization of Magnetic Resonance

Imaging to the real-time dynamics of Ultrasound systems, each modality represents a crucial piece in the diagnostic puzzle.

We are particularly excited to highlight the continued integration of Artificial Intelligence across all imaging platforms. These intelligent solutions are not merely tools; they are transforming workflow efficiency and diagnostic accuracy, supporting radiologists in their daily practice while maintaining the essential human element in patient care.

Women's Health remains a crucial focus, with dedicated solutions that combine sensitivity with technological excellence. The advances in Interventional Systems are pushing the boundaries of minimally invasive procedures, while our coverage of Molecular Imaging demonstrates how functional and anatomical imaging are merging to provide unprecedented insights into disease processes.

The evolution of IT Systems reflects the growing importance of seamless data integration and accessibility in modern healthcare. These solutions, coupled with sophisticated Injector systems and quality assurance through Testing Devices, ensure both precision and safety in radiological procedures. This edition of RADbook serves not just as a catalog but as a window into the future of medical imaging. Each system and solution presented here has been carefully selected to represent the state of the art in its respective field, offering healthcare providers the knowledge they need to make informed decisions for their clinical practice.

We invite you to explore these pages and discover how these technological advances can enhance your practice and, ultimately, patient care.

Best regards,

A handwritten signature in black ink, appearing to read 'T. Hofmann', written in a cursive style.

Tim Hofmann

Specialist Editor Healthcare



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THE INTERCONNECTED SOLUTIONS



UNIK

Tailored interconnected solutions driving your journey to excellence

Guerbet Diagnostic Imaging has designed a portfolio of **interconnected solutions** to enhance your decision-making at each point of the patient journey from diagnosis, to treatment, to follow-up, so you can focus on what matters most, efficiently improving patient outcomes. This is UNIK.

For more information, please visit
www.guerbet.com

Computed Tomography

Photon-Counting
Dual Source CT
Volume CT
20 to 64 Slices
Mobile CT
Cone Beam CT
Oncology CT
Refurbished Systems
Accessories /
Complementary Systems

ultrasound
technologies

Cone Beam 3D Imaging
NewTom
what's next

DUNLEE

 **IMD**
GENERATORS



Planmed

PTW THE
DOSIMETRY
COMPANY

SIEMENS
Healthineers


Photon-counting CT

Siemens Healthineers · NAEOTOM Alpha.Peak

Power 2x 120 kW	Gantry bore 82 cm	Scan speed 737 mm/s
---------------------------	-----------------------------	-------------------------------

Highlights

- Dual source photon-counting CT with highest scan speed and native temporal resolution (66ms) across our portfolio
- Highest clinical performance and large potential for clinical research
- Quantum Iterative Reconstruction and Tin Filter for optimal dose and image quality
- myExam Companion guides user through whole scan and recon workflow




Photon-counting CT

Siemens Healthineers · NAEOTOM Alpha.Prime

Power 105 kW / 120 kW	Gantry bore 82 cm	Scan speed 345 mm/s
---------------------------------	-----------------------------	-------------------------------

Highlights

- World's first single source photon-counting CT
- Offers all benefits of photon-counting CT: Higher spatial resolution, lower radiation dose, spectral results in every exam, higher contrast sensitivity
- Quantum Iterative Reconstruction and Tin Filter for optimal dose and image quality
- myExam Companion guides user through whole scan and recon workflow




Photon-counting CT

Siemens Healthineers · NAEOTOM Alpha.Pro

Power 2x 120 kW	Gantry bore 82 cm	Scan speed 491 mm/s
---------------------------	-----------------------------	-------------------------------

Highlights

- Dual source photon-counting CT with native temporal resolution of 66ms
- Quantum HD Cardiac to visualize finest details in cardiac exams
- High scan speed for breathhold-impaired or non-compliant patients
- Quantum Iterative Reconstruction and Tin Filter for optimal dose and image quality
- myExam Companion guides user through whole scan and recon workflow




Dual Source CT

Siemens Healthineers · SOMATOM Drive

Power 200 kW	Gantry bore 78 cm	Scan speed Up to 458 mm/s
------------------------	-----------------------------	-------------------------------------

Highlights

- Tin Filters – a new level of CARE, bring CT doses to those expected in a routine X-ray series
- Straton MX Sigma X-ray tube with High Power 70 & 80 enables lower doses with consistent image quality
- 10 kV Steps allow for the most precise dose values for every single patient
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning
- Dual Source Dual Energy
- Temporal resolution: 75 ms




Dual Source CT

Siemens Healthineers · SOMATOM Force

Power 240 kW	Gantry bore 78 cm	Scan speed Up to 737 mm/s
------------------------	-----------------------------	-------------------------------------

Highlights

- Bring image quality to the next level with Vectron X-ray tube.
- Significantly reduced contrast media amounts required with low kV imaging
- Ultra low dose and “free-breathing” CT with outstanding native temporal resolution
- FAST Integrated Workflow with FAST 3D Camera to get two steps ahead in patient positioning
- Dual Source Dual Energy
- Dynamic imaging up to 80 cm
- Temporal resolution: 66 ms (full body)



Volume CT


Siemens Healthineers · SOMATOM go.Top

Power 75 kW	Gantry bore 70 cm	Scan speed Up to 175 mm/s
-----------------------	-----------------------------	-------------------------------------

Highlights

SOMATOM go.Top is a clinical allrounder that gives you full flexibility in your clinical tasks.

- AI-supported end-to-end workflow automation and enhanced user guidance with myExam Companion.
- Smart features that put patients' well-being into focus thanks to myExam Care.
- Best-in-its class imaging chain with low-kV imaging, 10 kV steps, Tin Filter, Stellar detector.
- Excellent cardiac imaging with ZeeFree.
- Holistic spectral imaging solution.
- Maximize versatility of existing facilities with a system footprint of 4 m² and a FAST 3D camera gantry-mounted.



Computed Tomography


Volume CT

Siemens Healthineers · SOMATOM X.ceed

Power Up to 120 kW	Gantry bore 82 cm	Scan speed Up to 261 mm/s
------------------------------	-----------------------------	-------------------------------------

Highlights

- myExam Companion is an intelligent approach to simplify scanner operation
- myNeedle Companion supports targeted needle path planning and laser guidance
- FAST 3D Camera drives precision in patient positioning
- Patient-friendly design with an 82 cm bore and a tablet-based mobile workflow to maximize patient proximity
- High power, speed, spatial and temporal resolution (0.25 s rot.), for advanced cardiac, spectral, emergency or Ultra High Resolution studies at low dose




Volume CT

Siemens Healthineers · SOMATOM X.cite

Power Up to 105 kW	Gantry bore 82 cm	Scan speed Up to 218 mm/s
------------------------------	-----------------------------	-------------------------------------

Highlights

- myExam Companion is an intelligent approach to simplify scanner operation
- myNeedle Companion supports targeted needle path planning and laser guidance
- FAST 3D Camera drives precision in patient positioning
- Patient-friendly design with an 82 cm bore and a tablet-based mobile workflow to maximize patient proximity
- Large power reserves of 1200 mA with low-kV and Tin Filter for dose-optimized scanning even for bigger patients
- Cardiac, spectral and 4D imaging



20 to 64 Slices


Siemens Healthineers · SOMATOM go.Now

Power 32 kW	Gantry bore 70 cm	Scan range Up to 160 cm
-----------------------	-----------------------------	-----------------------------------

Highlights

SOMATOM go.Now is a robust and reliable system that provides access to CT imaging.

- AI-supported end-to-end workflow automation and enhanced user guidance with myExam Companion.
- Smart features that put patients' well-being into focus thanks to myExam Care and the new FAST 3D camera gantry-mounted.
- Best-in-its class imaging chain with up to 0.5 s rotation time, Tin Filter and Stellar detector synchronized with intelligent workflows.
- Maximize versatility of existing facilities with a system footprint of 4 m² and a FAST 3D camera gantry-mounted.



20 to 64 Slices


Siemens Healthineers · SOMATOM go.Up

Power 32 kW	Gantry bore 70 cm	Scan range Up to 200 cm
-----------------------	-----------------------------	-----------------------------------

Highlights

SOMATOM go.Up is a scanner designed for daily routine that helps you handle high throughput and challenging cases with ease.

- AI-supported end-to-end workflow automation and enhanced user guidance with myExam Companion.
- Smart features that put patients' well-being into focus thanks to myExam Care.
- Best-in-its class imaging chain with up to 0.5 s rotation time, Tin Filter and Stellar detector.
- Maximize versatility of existing facilities with a system footprint of 4 m² and a FAST 3D camera gantry-mounted.
- Access to CT-guided intervention and Lung Cancer Screening.




Mobile CT

Siemens Healthineers · SOMATOM On.site

Power 3 kW	Gantry bore 35 cm	Slices 32
----------------------	-----------------------------	---------------------

Highlights

- Reduce patient transports from the ICU to the radiology department by bringing the scanner to the patient
- Easy to maneuver within the hospital
- Telescopic gantry with integrated accessories, e.g. shoulder board and head holder, for convenient patient positioning
- Consistent and reliable Somatom image quality at point-of-care, with Stellar detector, advanced iterative reconstruction, and metal artifact reduction (ADMIRE and iMAR)
- Holistic radiation safety, enabling in-room patient scanning




Mobile CT

Siemens Healthineers · SOMATOM On.site for MSUs

Power 3 kW	Gantry bore 35 cm	Slices 32
----------------------	-----------------------------	---------------------

Highlights

- Pre-hospital head CT scanning of patients with suspected stroke, enabling early treatment and appropriate triaging
- Fix-mounted CT system in ambulance vehicles
- Telescopic gantry with integrated accessories, e.g. shoulder board and head holder, for stroke patient head CT scanning
- Consistent and reliable Somatom image quality, with Stellar detector, advanced iterative reconstruction (ADMIRE) and metal artifact reduction (iMAR)
- Holistic radiation safety concept for pre-hospital environments




Cone Beam CT

Cefla · NewTom 7G

FOV 4 × 4 cm – 29 × 56 cm	Scan time 7.2 – 26.0 s	Pixel size 90 – 500 µm
-------------------------------------	----------------------------------	----------------------------------

Highlights
NewTom 7G is the most advanced CBCT device on the market, applying Cone Beam technology to all areas of the body, including the spine, shoulder, and hip. The 7G adjusts FOVs and X-ray doses according to the patient's body build, generating images with a resolution of up to 90 µm. Designed to acquire bilateral hip images, it captures a horizontally extended FOV of 40×17 cm, allowing for comparative assessment through reconstruction into a single volume. The quality of NewTom 7G examinations now also benefits from Dual Energy technology applied to CBCT. This radiological technique uses two different energy levels to more clearly and precisely identify the chemical composition of the tissues in the investigated anatomical area and any potential pathologies.



Cone Beam CT

Cefla · NewTom GiANO HR Range

FOV 4 × 4 cm – 16 × 18 cm	Scan time 14 s	Pixel size 68 – 100 µm
-------------------------------------	--------------------------	----------------------------------

Highlights
GiANO HR exists in 3 configurations:

- 3D Prime: 10 × 8 cm for all dental and implant planning needs
- 3D Advanced: 13 × 16 cm with FOV for maximum endodontic resolution to complete ENT analysis
- 3D Professional: 16 × 18 cm to investigate the entire dental-maxillofacial area and cervical spine

With the relocatable CMOS CsI sensor, teleradiographic system, and Direct Conversion Detector option, GiANO HR produces high quality 2D images for cephalometric and carpal examinations.




Cone Beam CT

Cefla · NewTom VGi evo

FOV 5 × 5 cm – 24 × 19 cm	Scan time 15 s	Pixel size 100 µm
-------------------------------------	--------------------------	-----------------------------

Highlights
VGi evo ensures a broad range of FOVs for acquisitions up to 24 × 19 cm. Volumetric, panoramic and teleradiographic exams as well as dynamic X-rays are available. Excellent image quality with very low radiated doses safeguards the patient's health. A single scan generates HiRes images of airways, both TMJs, maxillary and nasal sinuses. Clear, precise scans reveal greater details of both the internal ear and the petrous bone, making VGi evo an ideal choice for otorhinolaryngology investigations.



Cone Beam CT

Planned Oy · Verity

FOV 13 × 16 cm	Scan time 18 s	Pixel size 127 µm
--------------------------	--------------------------	-----------------------------

Highlights

- Cone Beam CT (CBCT) scanner dedicated to extremity and head and neck imaging
- Weight-bearing imaging
- kV range 80 – 96
- High quality 3D-imaging with Planmeca Ultra Low Dose
- Advanced artefact removal algorithms
- Compact, mobile, easy to site
- Motorized, soft-surface gantry adapts to the patient



Oncology CT


Siemens Healthineers · SOMATOM go.Open Pro

Power 75 kW	Gantry bore 85 cm	Scan speed Up to 200 mm / s
-----------------------	-----------------------------	---------------------------------------

Highlights

- Direct i4D: First 4D CT scan mode to adapt to breathing patterns in real time for dramatic motion artifact reduction
- 4 cm detector coverage and 0.35 s rotation times for deep inspiration breath-hold scanning
- DirectORGANS: AI-powered organs-at risk contouring directly at the CT console for advanced contouring results
- TwinSpiral Dual Energy scanning and Tin filter for less variability in target contouring
- Direct Laser: Seamless integration of patient marking lasers and laser QA for time saving and error avoidance
- 227 / 307 kg patient table (TG-66 compliant) with flat table top

• Large bore of 85 cm with 60 cm true scan Field of View; recon. slices per rotation: 128



Oncology CT


Siemens Healthineers · SOMATOM go.Sim

Power 75 kW	Gantry bore 85 cm	Scan speed Up to 200 mm / s
-----------------------	-----------------------------	---------------------------------------

Highlights

- DirectORGANS: AI-powered organs-at risk contouring directly at the CT console for consistent results
- Direct Laser: Seamless integration of patient marking lasers and laser QA for time saving and error avoidance
- Mobile Workflow: Re-designed workflows with mobile tablet and SIM&GO technologies to increase efficiency and patient satisfaction
- Precise target contouring with optimum kV imaging and a single calibration curve thanks to DirectDensity
- Comprehensive 4D workflow for respiratory motion management with FAST 4D
- 227 / 307 kg patient table (TG-66 compliant) with flat table top

• Large bore of 85 cm with 60 cm true scan field of view; recon. slices per rotation: 64



Computed Tomography

Refurbished Systems

Siemens Healthineers · SOMATOM Definition AS64/AS+

Highlights

- Maximize Outcome. Minimize Dose.
- Scalable from 20 up to 128 slices the system can be configured to specific clinical needs.
 - Fueled by the FAST CARE platform, the SOMATOM Definition AS is designed to help maximize clinical outcome and to raise patient-centric productivity.
 - Upgradability with the Stellar detector for state-of-the-art signal detection and noise reduction.



Refurbished Systems

Siemens Healthineers · SOMATOM Definition Edge eco (incl. RT)

Highlights

- Exceeding expectations in:
 - Cardiology
 - Emergency Medicine
 - Oncology
- SOMATOM Definition Edge eco exceed these expectations by improving your institution's process efficiency and patient outcome in all clinical capabilities
- From contrast media-efficient TAVI planning to precise therapy response management, from low dose therapy control to optimized emergency care workflow.



Refurbished Systems

Siemens Healthineers · SOMATOM Drive eco

Highlights

- Drive precision for all – with a Dual Source CT scanner
- Safeguard correct and consistent patient positioning
 - Automation drives precision in challenging environments
 - Automation drives precision in overburdened environments



Refurbished Systems

Siemens Healthineers · SOMATOM Force eco

Highlights

- Get two steps ahead with Dual Source CT
- SOMATOM Force supports high-precision diagnosis, reliable therapy response evaluation, and improved care for every individual.
 - Bring image quality to the next level – with free-breathing and powerful imaging
 - Make sound decisions – with 4D imaging at half the dose and dose-neutral Dual Energy
 - Improve patient care – with gentle and ultra-low-dose scanning



Refurbished Systems

Siemens Healthineers · SOMATOM go.All eco

Highlights

- Made to match. CT scanner that unlocks more than routine – covering daily procedures and ready for more advanced ones when needed.
- Automate workflows with AI – Focus und patients' well being
 - Experience a best-in-its-class imaging chain¹
 - Speed up clinical routine
 - Maximize the versatility of your facilities



DISCLAIMER PAGE

Refurbished Systems

Siemens Healthineers · SOMATOM go.Top eco

Highlights

- Made to match.
- Clinical allrounder in CT imaging that gives full flexibility.
 - Handle all routine procedures and the most important advanced ones to cater to a wider range of patients.
 - Automate workflows with AI -Focus und patients' well being
 - Experience a best-in-its-class imaging chain¹
 - Maximize the versatility of your facilities



DISCLAIMER PAGE

Refurbished Systems

Siemens Healthineers · SOMATOM go.Up eco

DISCLAIMER PAGE

Highlights

- Made to match
- CT scanner designed for daily routine
 - Handle high throughput and challenging cases with ease
 - Automate workflows with AI – Focus und patients' well being
 - Experience a best-in-its-class imaging chain¹
 - Speed up clinical routine
 - Maximize the versatility of your facilities



Refurbished Systems

Siemens Healthineers · SOMATOM Perspective 128 eco (incl. Mobile CT, RT)

Highlights

- Open new opportunities
- High-end CT scanner that delivers economical benefits without compromising on patient care.
 - Innovative technologies such as SAFIRE boost diagnostic confidence while reducing dose, and the unique eCockpit improves cost efficiency by minimizing energy consumption and wear and tear.
 - Available in four upgradeable configurations.



Refurbished Systems

Siemens Healthineers · SOMATOM Scope Power 32 eco (incl. RT)

Highlights

- Focus on the essence
- Ultra Fast Ceramics detector
 - The industry leading detector material
 - Also used in our top-of-the-line scanners
 - Delivers crystal clear images. Combined Applications to Reduce Exposure (CARE)
 - Enables patients to receive the right dose for their imaging requirements. -Adaptive Signal Boost
 - Reduces image noise by up to 50% e.g. when imaging obese patients or patients with metal implants.
 - Fully Assisting Scanner Technologies (FAST) optimizes your process efficiency.



Refurbished Systems

Siemens Healthineers · SOMATOM X.ceed eco

Highlights

- Intelligent imaging. Exceeding excellence
- Intelligent navigation for enhanced consistency
 - Patient-friendly design with an 82 cm bore
 - Elite performance from door to diagnosis
 - Consistent standards across your institution
 - With myExam companion



Refurbished Systems

Siemens Healthineers · SOMATOM X.cite eco

Highlights

- Intelligent imaging. Excellence empowered
- Intelligent navigation for enhanced consistency
 - Patient-friendly design with an 82 cm bore
 - Personalized imaging for improved diagnostic confidence
 - Consistent standards across your institution
 - With myExam companion



RAD BOOK 2025

Please visit us at healthcare-in-europe.com

Accessories / Complementary Systems

Dunlee · 3D printed pure tungsten anti-scatter grids



Highlights

- Maximum design freedom
- Small feature size of 80 µm
- Less X-ray scatter for premium image quality
- Improved and simplified assembly processes that save costs
- Access to top-level detection and grid design expertise to co-create from conceptualization to mass production

Accessories / Complementary Systems

Dunlee · Xceed CT Product Bundle



Highlights

- Fast time-to market: pre-integrated bundles including X-ray tube, generator, cooling unit and cables
- Provides CoolGlide Liquid Metal Bearing advantages in value and performance CTs
 - High patient throughput and fast workflow
 - Longer life than ball bearing tubes for cost savings
 - Choice of tubes to address preferred performance level
- Tube Options:
 - CT3000 X-ray tube (MHU 19 eff., 60 kW, Gantry speed 120 RPM)
 - CT4000 essential X-ray tube (MHU 22 eff., 70 kW, Gantry speed up to 180 RPM)
 - CT4000 X-ray tube (MHU 25 eff., 80 kW, Gantry speed up to 180 RPM)

Accessories / Complementary Systems

Dunlee · Xpert CT Product Bundle



Highlights

- Most advanced solution in our CT portfolio
- Fast time-to market: pre-integrated bundles including X-ray Tube, generator, cooling unit and cables
- X-ray tube with CoolGlide Liquid Metal Bearing and Flat Emitter for fast workflow and high reliability
- With the option for extra small focal spots for high resolution and photon counting detectors
- Nearly arc-free; Less than 1 scan-interrupting arc in 3 years
- High cooling capacity of 34 MHU eff. due to unipolar tube design
- Enables fast gantry rotation up to 245 RPM
- Tube options: CT6000 (8 cm coverage, 100 kW); CT6500 (8 cm coverage, 120 kW); CT8000 (16 cm coverage, 100 kW)

Accessories / Complementary Systems

I.A.E. · RTC 165

Highlights

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



Accessories / Complementary Systems

IMD Generators · X-ray Monobloc, Raw family

Highlights

- Single Tank X-ray Generator, all aluminium case
- Customised Product according to the customer's technical requirements
- Power available from 3.5 kW up to 15 kW
- Properly developed and designed for CT application for Fluoroscopy and Pulse
- EC certificate



Accessories / Complementary Systems

PTW · QRM Calcium Scoring Phantom, D100

Highlights

- Calibration standard for cardiac CT
- Investigate the detectability of coronary calcifications
- Achieve reproducible scoring results
- Include CaHA targets in different sizes and density



Accessories / Complementary Systems

PTW · QRM Cone-Beam Phantom



Highlights

- Multipurpose phantom for comparison of different CT and CBCT scanner solutions
- Assess all relevant image quality metrics
- Provides different low contrast sections and spatial resolution bar patterns
- Allows MTF measurements in different orientations

Accessories / Complementary Systems

PTW · QRM Coronary Artery Stenosis Phantoms

Highlights

- For the analysis of different case studies for coronary artery disease
- 3 different sets with various plaque and lumen combinations
- Placement of up to three coronary artery phantoms with the specially designed holder
- Simulation of a (semi-)anthropomorphic measurement environment with the optional thorax phantom



Accessories / Complementary Systems

PTW · QRM D100 Insert Phantoms



Highlights

- Various D100 Insert phantoms covering a variety of image quality, multi-energy and radiotherapy purposes
- All of the inserts fit into our (semi-)anthropomorphic phantoms
- For an overview of multiple D100 Insert phantoms, visit our Website qrm.de

Accessories / Complementary Systems

PTW · QRM Multi-Energy QA Phantom



Highlights

- For different types of CT systems with dual-energy, multi-energy or photon-counting setups
- Test multi-energy spectral CT protocols and post-processing techniques
- Decompose Iodine and CaHA levels
- A set of 26 inserts including rods enriched with several contrast media
- Other materials can be manufactured upon request

Accessories / Complementary Systems

Ultrasound Technologies · MediCO2LON

Highlights

Colonic Insufflator for CT colonography. The MediCO₂LON provides automated colonic distension with CO₂ gas for CT colonography procedures, providing reliable colon distension while improving patient comfort.



- State of the art design allowing ease of operation
- Near silent operation
- Large, colour touchscreen LCD
- LED backlight and wide view angle
- Compact, lightweight design
- Multilingual interface
- Locking connectors

EUROPEAN HOSPITAL

YOUR ADVERTISEMENT OR ADVERTORIAL



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Magnetic Resonance Imaging

7 Tesla
3 Tesla
1.5 Tesla
High-V MRI (0.55 Tesla)
Oncology
MRI Coils
Refurbished Systems
Accessories /
Complementary Systems



NORAS
MRI PRODUCTS

SIEMENS
Healthineers

QUART
Quality Assurance in Radiological Technologies


7 Tesla

Siemens Healthineers · MAGNETOM Terra.X

Gradient 135 mT / m ¹	Slewrate 250 T / m / s ¹	Channels 8 Tx, 64 Rx
--	---	--------------------------------

Highlights

- Innovative Ultra IQ Technology including dynamic pTx enables to leverage the full potential of 7T MRI
- Deep Resolve enables unmatched resolution and acquisition speed
- Multinuclear MR opens a window into physiology with sodium imaging and phosphorus spectroscopy
- Deployment of custom reconstruction algorithms seamlessly into clinical workflows while fostering open and collaborative innovation enabled by Open Recon²



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.
² Open Recon is to add clinical reconstructions to the system, if signed and released for clinical use by Siemens Healthineers. Any other image reconstruction used, e.g., by researchers, is automatically labelled not for diagnostic use, which may require observation of national regulations.

3 Tesla


Siemens Healthineers · BIOGRAPH One*

Gradient 60 mT / m ¹	Slewrate 200 T / m / s ¹	Channels Up to 204 × 64
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Highlights

Designed with:

- Full 3T performance with large 55 × 55 × 50 cm³ FoV
- Full Deep Resolve range with 2D & 3D
- State-of-the-art Optiso UDR Pro PET detector: 3.2 mm LSO crystals, 35 cm aFOV, <250ps TOF targeted²
- Simplified patient set-up: BioMatrix Contour XL Coils & BioMatrix Sensors
- Redesigned UI: New level of automation & innovative acquisition modes
- Simplified operations: Push-button positioning & guided workflows
- Open Recon³: custom reconstruction



* BIOGRAPH One is currently under development and not commercially available. Its future availability cannot be ensured.


3 Tesla

Siemens Healthineers · MAGNETOM Cima.X

Gradient 200 ¹ mT / m	Slewrate 200 T / m / s	Channels Up to 228 × 128
--	----------------------------------	------------------------------------

Highlights

- Our strongest 3T MRI system ever that features Gemini Gradients with 200¹ mT/m at 200 T/m/s, the highest gradient strength in a whole-body scanner ever
- Multi-GPA Technology with two separate gradient power amplifiers enables unmatched gradient amplitude and maximum spatial resolution
- Magnetom Cima.X features next generation Deep Resolve, our deep learning image reconstruction technology
- Deployment of custom reconstruction algorithms seamlessly into clinical workflows while fostering open and collaborative innovation will be enabled by Open Recon²



¹ ≥ 200 mT/m (±3% for design tolerances).
² Open Recon is to add clinical reconstructions to the system, if signed and released for clinical use by Siemens Healthineers. Any other image reconstruction used, e.g., by researchers, is automatically labelled not for diagnostic use, which may require observation of national regulations.


3 Tesla

Siemens Healthineers · MAGNETOM Lumina

Gradient 62 mT / m ¹	Slewrate 346 T / m / s ¹	Channels 180 × 32
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Highlights

- 3T magnet with 70 cm Open Bore and large FOV up to 55 cm³
- With Deep Resolve, our new game-changing acceleration technology, also planned for 3D²
- Unique BioMatrix Technology
- Patient centric workflow
- Guided workflows with myExam Companion
- Including myExam Implant Suite – solves complexities of scanning patients with implants²
- Save up to 40%³ energy consumption per year – based on COCIR



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.
² Deep Resolve 3D is currently under development and not commercially available. Its future availability cannot be ensured.
³ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user.


3 Tesla

Siemens Healthineers · MAGNETOM Vida

Gradient Up to 60 mT / m ¹	Slewrate 200 T / m / s ¹	Channels Up to 228 × 128
---	---	------------------------------------

Highlights

- The first MRI scanner with BioMatrix Technology
- 3T magnet with 70 cm Open Bore and large 55×55×50 cm³ FOV
- Up to 60 / 200 XT gradients – for up to 25% higher SNR for DWI
- With Deep Resolve, our new AI-powered advanced image reconstruction technology
- Explore new diagnostic frontiers based on quantitative information with MR Fingerprinting
- Latest applications available with syngo MR XA60A



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.


1.5 Tesla

Siemens Healthineers · MAGNETOM Altea

Gradient Up to 57mT/m ¹	Slewrate Up to 216T/m/s ¹	Channels 180 × 32
--	--	-----------------------------

Highlights

- 1.5 T magnet with 70 cm Open Bore and large FOV up to 50 cm³
- With Deep Resolve, our new game changing acceleration technology, also planned for 3D²
- Unique BioMatrix Technology
- BioMatrix Contour XL coil² – Comfortable. Flexible. Intelligent.
- Guided workflows with myExam Companion
- Including myExam Implant Suite – solves complexities of scanning patients with implants
- Save up to 40%³ energy consumption per year – based on COCIR



¹ Maximal gradient performance achieved through vector addition of all three gradient axes simultaneously.
² Currently under development and not commercially available. Its future availability cannot be ensured.
³ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user.

1.5 Tesla

Siemens Healthineers · MAGNETOM Amira

Gradient	Slewrate	Channels
33 mT / m ¹	125 T / m / s ¹	96 × 16

Highlights

- Increase patient satisfaction with quiet exams
- 10-min exams with best-practice-based protocols
- Up to 30%² energy savings in standby mode with Eco-Power
- Increased throughput with Tim 4G and myExam Companion
- Maximizing return due to minimized siting requirements and costs
- Available with syngo MR XA50M software



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.

² Data on file.

1.5 Tesla

Siemens Healthineers · MAGNETOM Amira with BioMatrix

Gradient	Slewrate	Channels
33 mT / m ¹	125 T / m / s ¹	Up to 96 × 24

Highlights

- Unique BioMatrix Technology
- Boost productivity with Turbo Suite, Simultaneous Multi-Slice, and Deep Resolve
- Advanced free-breathing MRI exams
- GO technologies powered by artificial intelligence boost patient throughput
- Save energy consumption with Eco-Power
- Increased consistency and workflow acceleration with myExam Companion
- Available with syngo MR XA50M software



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.

1.5 Tesla

Siemens Healthineers · MAGNETOM Flow. Platform (60)

Gradient	Slewrate	Channels
Up to 35 mT / m ¹	Up to 125 T / m / s ¹	108 × 24

Highlights

- Easy to site 1.5T due to compact footprint and DryCool technology: 0.7 liters of liquid helium – no quench pipe
- More time to care for patients by delivering intuitive workflow for operators at all skill levels with myExam Companion
- High resolution and fast diagnostic results due to AI-powered imaging technologies
- Flexible and intelligent BioMatrix Contour Coils for patient comfort
- Operational excellence across the entire fleet and maximized system uptime



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.

1.5 Tesla

Siemens Healthineers · MAGNETOM Flow. Platform (70 cm)*

Gradient	Slewrate	Channels
35–61 mT / m ¹	125–217 T / m / s ¹	108 × 24 – 204 × 72

Highlights

- Our easiest to site helium-independent² 1.5T MRI with 70 cm Open Bore and ultra-compact design
- 30–45% energy savings annually with the help of e.g., Eco Power Mode Pro³
- Streamlined workflows with myExam Companion and our unique BioMatrix Contour coils
- Increased patient experience with our wireless audio system ComfortSound
- Highest-quality imaging for every clinical discipline with AI-powered image reconstruction technology Deep Resolve



* MAGNETOM Flow. Platform with 70 cm bore size is currently under development and not commercially available. Its future availability cannot be ensured.

DISCLAIMER PAGE

1.5 Tesla

Siemens Healthineers · MAGNETOM Sempra

Gradient	Slewrate	Channels
30 mT / m ¹	100 T / m / s ¹	Up to 96 × 16

Highlights

- 10-min exams with best-practice-based protocols
- Up to 30%² energy savings in standby mode with Eco-Power
- Increased throughput and consistency with myExam Companion
- More patient comfort with ultra-light-weight Tim 4G coils and Quiet Suite
- Expand clinical offerings with advanced trendsetting applications
- Available with syngo MR XA50M software



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.

² Data on file.

1.5 Tesla

Siemens Healthineers · MAGNETOM Sola

Gradient	Slewrate	Channels
Up to 78 mT / m ¹	Up to 346 T / m / s ¹	Up to 204 × 64

Highlights

- 1.5 T magnet with 70 cm Open Bore and large FOV up to 50 cm³
- With Deep Resolve, our new game-changing acceleration technology, also planned for 3D²
- Unique BioMatrix Technology
- BioMatrix Contour XL coil² – Comfortable. Flexible. Intelligent
- Guided workflows with myExam Companion
- Including myExam Implant Suite – solves complexities of scanning patients with implants
- Free-breathing examinations, to master clinical challenges
- Save up to 40%³ energy consumption per year – based on COCIR



¹ Maximal gradient performance achieved through vector addition of all three gradient axes simultaneously.

² Currently under development and not commercially available. Its future availability cannot be ensured.

³ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user.

DISCLAIMER PAGE

1.5 Tesla

Siemens Healthineers · MAGNETOM Sola Cardiovascular Edition

Gradient	Slewrate	Channels
45 mT / m ¹	200 T / m / s ¹	204 x 64

Highlights

- A dedicated MRI scanner designed to meet the demands of cardiovascular examinations
- Free-breathing CMR exams with Compressed Sensing Cardiac Cine
- Tissue characterization with Myo-Maps and HeartFreeze for differential diagnosis of myocardial injury
- Extend the benefits of CMR to patients prone to susceptibility artefacts with High Bandwidth Inversion Recovery
- Perform CMR exams without ECG using the BioMatrix Beat Sensor
- Consistent results, fast with AI-powered myExam Cardiac Assist for fast patient setup and step-by-step guidance for CMR exams in as little as 30 minutes²



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.
² Data on file, results may vary.

1.5 Tesla

Siemens Healthineers · MAGNETOM Viato.Mobile

Gradient	Slewrate	Channels
Up to 45 mT / m ^{1,2}	Up to 200 T / m / s ¹	204 x 48

Highlights

- 1.5 T magnet with 70 cm Open Bore designed for an installation in a trailer
- With Deep Resolve, our new game-changing acceleration technology, also planned for 3D²
- Unique BioMatrix Technology
- myExam Companion offers guided workflows
- Free-breathing examinations
- Remote imaging solutions³
- Save up to 40%⁴ energy consumption per year – based on COCIR



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.

² Deep Resolve 3D is currently under development and not commercially available. Its future availability cannot be guaranteed.

³ Remote Imaging portfolio consists of the remote-scanning-offerings syngo Virtual Cockpit & WeScan, Expert-I enabled Siemens Healthineers MRI scanner, remote technologist and the remotereading offering WeRead.

⁴ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user.

DISCLAIMER PAGE

High-V MRI (0.55 Tesla)

Siemens Healthineers · MAGNETOM Free.Max

Highlights

- First 80 cm patient bore: Accessibility for claustrophobic and obese patients
- The most compact whole-body MRI-platform for greater siting flexibility
- Outstanding clinical performance due to Deep Resolve, our AI-powered image reconstruction technology
- DryCool technology: 0.7 liters of liquid helium / No quench pipe
- Blanket-like Contour Coils for comfort and flexibility
- Intuitive operation for any level of experience with myExam Autopilot
- Available as turnkey Relocatable Suite¹



¹ The information shown herein refers to products of 3rd party manufacturer's and thus are in their regulatory responsibility. Please contact the 3rd party manufacturer for further information. The Relocatable Suite for MAGNETOM Free.Max is not commercially available in all countries. Its future availability cannot be guaranteed.

High-V MRI (0.55 Tesla)

Siemens Healthineers · MAGNETOM Free.Star

Highlights

- Disruptively simple approach to MRI based on the revolutionary High-V MRI platform
- Enhanced accessibility to MRI through redefined lifecycle costs
- The most compact whole-body MRI platform for greater siting flexibility
- Outstanding clinical performance due to Deep Resolve, our AI-powered image reconstruction technology
- DryCool Technology: 0.7 liters of liquid helium | No quench pipe
- Intuitive operation for any level of experience with myExam Autopilot
- Available as turnkey Relocatable Suite¹



¹ The information shown herein refers to products of 3rd party manufacturer's and thus are in their regulatory responsibility. Please contact the 3rd party manufacturer for further information. Relocatable Suite for MAGNETOM Free.Star is not commercially available in all countries. Its future availability cannot be guaranteed.¹

Oncology

Siemens Healthineers · MAGNETOM Free.Max RT Edition

Highlights

- Break barriers in MRI for radiation therapy with MAGNETOM Free.Max RT Edition
- Achieve reproducible patient positioning and easy access to MR imaging for radiation therapy with a low table height and large 80 cm bore
- Bypass conventional infrastructure requirements and minimize installation costs through the system's small footprint and quench-pipe-free design
- Achieve fast scans while maximizing image quality thanks to Deep Resolve, the AI-powered image processing technology and benefit from 3D protocols that are optimized for radiation therapy with myExam RT Assist¹
- Acquire detailed images with fewer susceptibility artifacts than traditional MR systems
- Reduce maintenance costs due to a virtually helium-free infrastructure



¹ The name 'myExam RT Assist' has been used since software version syngo MR XA50. In former software versions, it is called 'RT Dot Engine'.

The information shown herein refers to products of 3rd party manufacturer's and thus are in their regulatory responsibility. Please contact the 3rd party manufacturer for further information.

Oncology

Siemens Healthineers · RT Pro Edition for MAGNETOM Sola and Vida

Highlights

- Support precision in radiotherapy with MAGNETOM Sola, or Vida and trend-setting applications
- Scan patients consistently in treatment position with dedicated RT positioning equipment (CIVCO, Orfit, Qfix, Medi-bord), an MR compatible laser bridge (LAP), and a large variety of flexible coils
- Rely on intuitive and dedicated RT workflows with myExam RT Assist¹ and syngo.via RT Image Suite
- Enable an MR-only RT planning workflow with myExam RT Assist¹ and syngo.via RT Image Suite's MR-based Synthetic CT² feature
- Caption organ motion in abdomen and thorax under free-breathing with automatic respiratory phase sorting with 4D MRI-RT Respiratory Self-Gating



The information shown herein refers to products of 3rd party manufacturer's and thus are in their regulatory responsibility. Please contact the 3rd party manufacturer for further information.

¹ The name "myExam RT Assist" is used starting from software version syngo MR XA50. In former software versions it is called "RT Dot Engine".

² MR-based Synthetic CT (AI algorithm) is an optional feature available in syngo.via RT Image Suite starting from software version VB60.

MRI Coils

NORAS · BI 6 COMFORT Breast Biopsy Coil

Field strength	Channels	System platform
1.5 / 3 T	6	Siemens

Highlights

The BI 6 COMFORT Breast Biopsy Coil is your dedicated MRI coil solution for breast biopsy and diagnostics. It offers great patient comfort due to its more padded patient support and adjustable head rest. Additionally, it adapts flexibly to different breast volumes thanks to its height-adjustable patient positioning. You profit from a high-resolution image quality with great homogeneity and very good illumination of the axilla. Cranio-caudal fixation of the breasts, an integrated LED lighting system plus spacious lateral and medial biopsy access ensure excellent diagnostic imaging and optimized workflows.



MRI Coils

NORAS · ENCOMPASS™ 15-Ch Head Coil

Field strength	Channels	System platform
3 T	15	Siemens

Highlights

The ENCOMPASS™ 15-Ch Head Coil is your dedicated solution for MR-guided planning and follow-up of stereotactic radiosurgery. It offers you high-resolution diagnostic MR imaging of head and neck with outstanding homogeneity. Images may be taken transversal, sagittal, coronal, and tilted while height adjustability and a quick release button on the detachable top coil ensure an easy patient access. Patient anxiety may be reduced thanks to a viewing window and mirror holder. The ENCOMPASS™ 15-Ch Head Coil is optimized for the use with the Encompass™ MR SRS Immobilization System (available via Qfix).



MRI Coils

NORAS · iLoop Interventional Coil 0,55T

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

Highlights

This 1-channel coil was developed exclusively for the Siemens FreeMax and is therefore optimized for the workflow with 80 cm bore. With its unique sterile concept (patent pending), the iLoop Interventional Coil is suitable for a wide range of interventional applications from the abdominal area to the pelvis and hips to the spine. With the help of dedicated sterile drapes, you can quickly and easily create a sterile environment directly on the patient or before placement. The iLoop has 1,10m long direct cabling.



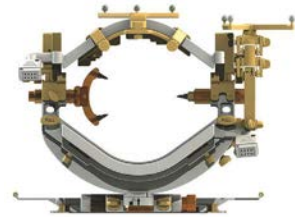
MRI Coils

NORAS · LUCY OR Head Holder & 8-Ch Coil

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

Highlights

With its combination of fixation system and high-quality intraoperative imaging, the LUCY OR Head Holder & 8-Ch Coil is your dedicated application for precise neurosurgical interventions. The dedicated sterile concept and its three-point fixation with integrated force indicator ensure optimized workflow. The removable and height-adjustable lower coil grants excellent access to the field of intervention. Additionally, the OR head holder can be used separately for X-ray, CT imaging as well as angiography.



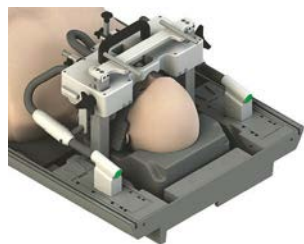
MRI Coils

NORAS · MANDIBULA 15-Ch Dental Coil

Field strength	Channels	System platform
1.5 / 3 T	15	Siemens

Highlights

With the MANDIBULA 15-Ch Dental Coil you benefit from improved diagnostic possibilities in dental area thanks to high-resolution 3D MR imaging of the jaw, teeth, temporomandibular joint, nerves and more. The coil is easy to position, adjustable for each patient and offers you reduced scan times with higher image quality. An optional mirror ensures more comfort for claustrophobic patients. As a special advantage, you may offer your patients a safe, radiation-free examination.



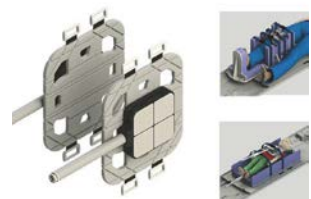
MRI Coils

NORAS · VARIETY 16-Ch Multipurpose Coil

Field strength	Channels	System platform
1.5 / 3 T	16 (2 x 8)	Siemens

Highlights

The VARIETY 16-Ch Multipurpose Coil is your dedicated coil application for various diagnostic uses in orthopedics, pediatrics and veterinary medicine. Its dense 8+8 Ch coil array with high signal-to-noise ratio (SNR) and great acceleration factors is designed for excellent image quality. A slim design and optional dedicated positioning aids enable the flexible examination of anatomically challenging body regions and guarantee optimized workflows.



Refurbished Systems

Siemens Healthineers · MAGNETOM Aera eco

Highlights

MAGNETOM Aera eco maximizes the standards of MRI productivity in 1.5T. Growing healthcare expenditures and changing patient populations lead to an increased demand for standardization and higher efficiency. With a full range of routine and advanced applications, MAGNETOM Aera eco allows you to answer these challenges. Improve your processes through greater standardization and extend your clinical capabilities by offering new services.



Refurbished Systems

Siemens Healthineers · MAGNETOM Amira eco

Highlights

No matter what

- High-quality imaging even with complex variables
- Based on BioMatrix and the new syngo MR XA platform
- Equipped with our latest applications
- Consistent quality with BioMatrix and DotGO
- Financial certainty productivity
- Boosting technologies
- New clinical opportunities with free-breathing applications



Refurbished Systems

Siemens Healthineers · MAGNETOM Skyra eco

Highlights

MAGNETOM Skyra eco maximizes the standards of MRI productivity in 3T – MAGNETOM Skyra eco provides a comprehensive range of routine and advanced applications to address these challenges.

- Enhance operational processes through improved standardization.
- Expand clinical capabilities by introducing new services.



Refurbished Systems

Siemens Healthineers · MAGNETOM Sola eco

Highlights

Leading the field

- Built on our most powerful 1.5T platform unparalleled in strength and efficiency
- Cutting-edge AI at your fingertips to accelerate and enhance your performance
- Intelligent assistance to put the patient at ease whilst simplifying the workflow
- Jointly toward a sustainable future



Accessories / Complementary Systems

allMRI · MRI Bidirectional Communication System

Highlights

- Patients and staff can be in a bi-directional communication at any time during the MRI examination
- Control room can check the patient's condition without interruption to take action if necessary, saving a lot of time
- This avoids the problem of incorrect measurement, uncertainty and low efficiency due to unclear hearing or interruption



Accessories / Complementary Systems

Quart · MRI Test Phantom

Highlights

- The Quart MRI test phantom was the first-to-market product to meet the requirements of the new MRI QA standard.
- It enables assessment of MRI equipment according to the IEC 62464-1 (2018) and features tracking of IQ parameters for a selectable time period, performance comparisons of different MR scanners and early identification of potential hardware failure.
- The phantom is associated with a QA image scoring software which introduces a new approach and allows time-efficient MRI QA procedures.



Accessories / Complementary Systems

SCHILLER · MAGLIFE RT-1



Highlights

The MAGLIFE RT-1 performs patient monitoring in an MRI environment including all necessary vital parameters during anaesthesia, in adults, children and neonates:

- Compatible with any MRI systems (field strength: 0.2 – 3 Tesla)
- Can be used as close as 50 cm from the MRI
- Monitors 10 vital parameters: ECG, SpO₂, NIBP, IBP; etCO₂, anaesthetic agents, O₂, N₂O; spirometry; temperature (optical measurement)
- Wireless ECG and SpO₂ sensors, even for premature babies
- 15.6" colour TFT touch screen

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Injectors

Injectors
Accessories /
Complementary Systems

Guerbet | 

MED (TRON[®]) AG

 **Transatlantic**
Produkte für eine heile Welt

Injectors

Guerbet · Illumena Néo

Application	Pressure	FlowRate
CT / Angio / Cardio	5.2–82.7 bar ¹ / 5.2–21 bar ²	0.1–40 ml / s ¹ / 0.1–10 ml / s ²

Highlights

- Multi-Mode contrast delivery System
- High visibility screen
- One finger operation fill bar
- Single or multi-injection procedures
- Switch between operating modes
- Hand switch and foot switches available
- Air Detection Aid & Warning System (ADAWS) identifies empty syringes and air bolus
- Configurations: Pedestal, ceiling or table mount
- Heater: 37° ± 3°



Components and consumables certified by the manufacturer
¹ Angio mode / ² CT mode

Injectors

Guerbet · OptiOne

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights

- Single Head CT contrast delivery system
- Compatible with prefilled syringes & vials
- Scan delay, phase delay, auto-fill, auto purge
- Timing bolus, inject delay
- Fully programmable touchscreen powerhead
- Scanner relay interface as standard*
- OptiBolus bolus shaping software extends the window of imaging opportunity
- Configurations: Pedestal and ceiling mount
- Loading, filling & priming: automatic/ manual
- Heater: 37° ± 3°



* dependent on scanner manufacturer
 Components and consumables selected by the manufacturer

Injectors

Guerbet · OptiStar Elite

Application	Pressure	FlowRate
MR	10.3 / 13.8 bar*	0.1–10 ml / s / 0.1–8 ml / s*

Highlights

- MR contrast delivery system
- Volume precision down to 0.1 mL thanks to fractional delivery
- Optic fiber technology
- Compatible with prefilled syringes & vials
- Battery free & 3T certified
- One click loading
- Auto-retract rams
- Powerhead keys
- Console enable
- Patency check
- Timing bolus
- Drip mode
- Colour touchscreen
- Automatic pressure control

* dependent on type of syringe
 Components and consumables selected by the manufacturer



Injectors

Guerbet · OptiVantage Multi-use

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights

- Dual head CT contrast delivery system. When efficiency and care combine seamlessly
- OptiBolus feature to help reduce the contrast load
- Dedicated multi-patient software
- All in one preconnected 24 h dayset, with closed system, air & particles filters
- Excellence and Essential patient lines with security valves
- Only a few seconds preparation between patients
- Certified syringes & manyFill dayset
- Countdown timer to alert you of compliance with hygiene regulations
- Safe with patency check, tilt enable, timing bolus and simultaneous injection features



- Automatic operations (filling, priming)
- Scanner interface to CAN Open Class 4*

* dependent on scanner manufacturer
 Components and consumables selected by the manufacturer

Injectors

Guerbet · OptiVantage Single Use

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights

- Dual head CT contrast delivery system
- OptiBolus feature to help reduce the contrast load
- Scan delay, phase delay, auto-fill, auto purge
- Timing bolus, inject delay, patency check
- Fully programmable touchscreen powerhead
- Scanner interface to CAN Open Class 4*
- Configurations: Pedestal and ceiling mount options
- Loading, filling & priming: Automatic/ manual
- Simultaneous injection: 10–90% (5% steps)
- Heater: 37° ± 3°



* dependent on scanner manufacturer
 Components and consumables selected by the manufacturer

Injectors

MEDTRON AG · Accutron® CT

Application	Pressure	FlowRate
CT	21 bar	0.1–10 ml / s

Highlights

- Whether you are budget conscious or newly exploring the potential use of a powered injector in your CT department, Accutron CT is your starting point
- Provides real-time pressure monitoring which allows for improved precision and safety
- Agile mobility with a configuration that provides flexibility to quickly change examination rooms
- Consistent reliability helps to reduce repeat examinations due to contrast mistiming




Injectors

MEDTRON AG · Accutron® CT-D Vision

Application	Pressure	FlowRate
CT	21 bar	0.1 – 10 ml/s

Highlights

- New design for more comfort with improved readability and less eye fatigue, new battery management system and new casters
- Enriched user experience with a simpler workflow and better patient care
- Integrated with RIS and PACS (as an option) as well as with the scanner interface to reduce workload for the operator and improve patient turnaround times
- Limits patient risk by reducing the amount of contrast a patient receives during injection
- Supports the development of contrast-enhanced mammography, a new clinical service in mammography; leading to potentially increased revenue



Injectors

MEDTRON AG · Accutron® HP

Application	Pressure	FlowRate
Angio	83 bar ¹ / 21 bar ²	0.1 – 30 ml/s / 0.1 – 10 ml/s ²

Highlights

- Enables interdisciplinary clinical imaging examinations in both angiography and computed tomography
- Wireless and mobile configuration provides flexibility to quickly change examination rooms and eliminates barriers; such as nearby power requirements and/or cable installation
 - Reduces risk of infections by being easy to clean and hygienic
 - Integration with the scanner interface reduces workload for the operator and improves patient turnaround times



¹ Angio mode / ² CT mode



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Injectors

MEDTRON AG · Accutron® HP-D

Application	Pressure	FlowRate
Angio	83 bar ¹ / 21 bar ²	0.1 – 30 ml/s ¹ / 0.1 – 10 ml/s ²

Highlights

- Reduces beam hardening artifacts through flexible adjustment of contrast concentration using saline
- Cleanly defined & reproducible contrast media boli¹ can be achieved by pushing contrast media with a saline bolus
- Wireless and mobile configuration with flexibility to quickly change exam rooms and eliminates power requirements
- May reduce the amount of contrast required per patient resulting in less operating expenses



¹ Angio mode / ² CT mode

Injectors

MEDTRON AG · Accutron® MR

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml

Highlights

- Keep Vein Open (KVO) software feature helps to maintain vascular access during longer imaging procedures
- Compatibility with selected pre-filled syringes makes it easier to change and select the most suitable contrast medium for each patient
- Can be used with two touch screen remote controls so that one injector is shared between two MR examination rooms



Injectors

MEDTRON AG · Accutron® MR3

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml / s ¹ / 0.00.1 – 30 ml / s ²

Highlights

- The integrated infusion pump enables simultaneous administration of fluids during an MRI examination
- Works with select pre-filled syringes to increase throughput via quick use and improved patient turnaround times
- Integrated infusion pump enables simultaneous administration of additional medication needed by some patients to undergo MRI examination



¹ CM/NaCl
² Infusion pump

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Accessories / Complementary Systems

Guerbet · Essential



Highlights

- Need a patient line, designed to limit risk of contamination, with minimum 2 silicon valves?
- Two valves system, for CT & MRI, 24 bars, short length for a sustainable radiology
- Get ready in seconds: just change the safety line between patients
- Luer-lock connectivity: optimized compatibility with most injectors and day-sets (8h, 12h & 24h)

Accessories / Complementary Systems

Guerbet · Essential plus



Highlights

- Need a patient line, designed to limit risk of contamination, with minimum 2 silicon valves?
- Double-valve system, for CT & MRI, 24 bars, rotative luer, short length for a sustainable radiology
- High opening pressure threshold
- Get ready in seconds: just change the safety line between patients
- Luer-lock connectivity: optimized compatibility with most injectors and day-sets (8h, 12h & 24h)

Accessories / Complementary Systems

Guerbet · manyfill

Highlights

- Need a day-set, designed to limit risk of contamination?
- All-in-one pre-connected day-set: avoid multiple connections
- Air-chambers: avoid entry of air inside the system; no need to purge the whole system once fully loaded with contrast and saline
- Color-coding: quickly identify contrast and saline sides
- Valves: avoid mixing of liquids
- Luer-lock connectivity: optimized compatibility with most injectors and patient lines (8h, 12h & 24h)
- For CT & MRI, 24 bars



Accessories / Complementary Systems

Guerbet · secufill

Highlights

- Need a proven & qualitative barrier against microbes?
- Double level safety valve, for CT & MRI, 24 bars, specially designed to limit risk of contamination
- Ask for evidence! When multi-patient safety lies on a patient line, do rely on a proven technology: +25 years of experience, and supporting study: <https://pubmed.ncbi.nlm.nih.gov/26538217>
- Get ready in seconds: just change secufill between patients
- Luer-lock connectivity: optimized compatibility with most injectors and day-sets (8 h, 12 h & 24 h)



Accessories / Complementary Systems

Transatlantic · Transaflow Multi-APS safety and PWL/PWLS 12h



Highlights

Quality 'Made in Germany': The safety filling systems Transaflow Multi-APS Safety in combination with the patient lines with integrated germ barrier Transaflow PWL or PWLS are suitable for all common CT and MRI syringe injectors. They offer all the advantages of a closed system: they are leak-proof, do not drip and do not stick. Several check valves and a self-sealing, disinfectable safety valve provide the best possible hygienic safety for patients and users. Multi-APS-Safety-systems and PWL/PWLS are produced in Germany and are available in many variants (Mini spike, insertion spike with drip chamber, for scanbag, filled flasks etc.). They are approved for up to twelve hours of use.

Accessories / Complementary Systems

Transatlantic · Transaflow Multi-APS safety and PWL/PWLS 24h

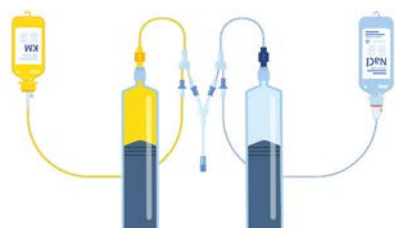


Highlights

24h application duration with quality 'Made in Germany': The Transaflow Multi-APS Safety filling systems are suitable for all common CT and MRI syringe injectors in conjunction with the Transaflow PWL or PWLS patient lines with integrated germ barrier. They offer all the advantages of a closed system: they are leak-proof, do not drip and do not stick. Several high-quality check valves and a self-sealing, disinfectable safety valve provide the best possible hygienic safety for patients and users. Multi-APS Safety Systems and PWL/PWLS are produced in Germany and are available in many variants (mini spike, puncture spike with drip chamber, for scanbag, pre-filled flasks, etc.). They are approved for up to 24 hours of use.

Accessories / Complementary Systems

Transatlantic · Transaflow Multi-Patient-Syringe-System 12/24h



Highlights

Make your syringe injector safe for 12h or 24h multi-patient use, regardless of injector manufacturer. Transatlantic has been manufacturing and distributing multi-patient transfer systems for contrast media applications for over 10 years. The products are suitable for CT and MRI and a transfer system can be used on all common piston injectors. This makes ordering processes simpler and stock-keeping clearer and less expensive. The user works with one product and the routine is standardized. No more sticky bottoms or stuck systems! Our drip stop in our Multi-APS transfer systems also offers this special advantage.

Transatlantic – your reliable partner for transfer systems. Quality Made in Germany.

RAD BOOK 2025

Please visit us at
healthcare-in-europe.com

Interventional Systems

Multi-Modality Suites

Bi-Plane

Single Plane

Surgical Flat Panel Systems

Surgical Flat Panel C-Arms

Surgical II-C-Arms

Refurbished Systems

Accessories /
Complementary Systems

Medtronic

Engineering the extraordinary



GMMGROUP



ziehm imaging

SIEMENS
Healthineers



STEPHANIX
MEDICAL IMAGING SOLUTIONS




TECHNIX



Multi-Modality Suites

Siemens Healthineers · Nexaris Angio-CT

Power 100 kW	Detector a-Si / CsI	Pixel size 160 µm
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Highlights

- First hybrid suite with a common coordinate system that fuses images instantly
- Direct access to angio and CT with Quick Switching
- Efficient multi-room configurations to share imaging equipment
- Enabling combined CT and angio guidance in one session

Multi-Modality Suites

Siemens Healthineers · Nexaris Angio-MR-CT

Power —	Detector —	Pixel size —
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Highlights

- Seamless access to multi-modality imaging
- Patient transfer without repositioning for barrier-free intraoperative imaging with Nexaris Dockable Table
- More possibilities during treatment with synergized Angio, MR, and CT image information

Bi-Plane


Siemens Healthineers · ARTIS icono biplane

Power 2 x 100 kW	Detector a-Si/CsI	Pixel size 154 µm
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Highlights

ARTIS icono biplane offers great technologies for interventional neuro-radiology and cardiovascular care.

- New cone-beam CT trajectory *syngo DynaCT Sine Spin* reduces artifacts for excellent soft-tissue resolution
- *syngo DynaCT Multiphase* integrates collateral vessel imaging in the angio suite
- Twin Spin enables seamless switching between 2D and 3D thanks to mechanical improvements
- New image chain OPTIQ enables constant image quality using a contrast-driven technique (CNR*) based on automatic parametrization and intelligent, self-adjusting algorithms



* Contrast-to-noise ratio

Bi-Plane


Siemens Healthineers · Artis Q.zen biplane

Power 100 kW	Detector a-Si/CsI	Pixel size 160 µm
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Highlights

Biplane system for interventional imaging. The Artis Q.zen biplane system offers high performance in interventional imaging combined with high positioning flexibility.

- Detector: 261 mm x 287 mm (1,024 x 1,024 px), 160 µm
- 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
- Detector: Crystalline silicon flat detector with 39 cm diagonal entrance plane/ c-Si / CsI



Bi-Plane


Siemens Healthineers · Artis zee biplane, Artis Q biplane

Power 100 kW	Detector a-Si/CsI	Pixel size 154 µm / 184 µm
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Highlights

Biplane system for interventional imaging. The Artis biplane system offers high performance in interventional imaging combined with high positioning flexibility.

- Detector:
 - 20 x 20 (1,024 x 1,024 px), 184 µm
 - 30 x 40 (1,920 x 2,480 px), 154 µm
- 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



Single Plane


Siemens Healthineers · ARTIS icono ceiling

Power 100 kW	Detector a-Si/CsI	Pixel size 154 µm
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Highlights

ARTIS icono sets the pace in image guidance for complex interventions. Mechanical flexibility and positioning accuracy combine with 2k imaging and smart workflow guidance to redefine precision for interventional radiology and cardiovascular care. Smart guidance tools support anatomical navigation and semi-automatic identification of feeder vessels, while seamless interfaces make your angio suite an inter-departmental digital lab.

Enhance your angio suite with our latest move and open up new opportunities. ARTIS icono ceiling with Xpand will allow you to use space you didn't know you had. You will be able to move around easily during procedures without having to move any equipment first.




Single Plane

Siemens Healthineers · ARTIS icono floor

Power 100 kW	Detector a-Si/CsI	Pixel size 154 μm
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Highlights
ARTIS icono floor offers great technologies for interventional radiology and cardiovascular care.


- Excellent longitudinal coverage of 2.10 m for imaging most patient from head to toe
- Lateral coverage of 1.90 m supporting new workflows and
- Motorized system movement without the need to move the table
- OPTIQ technique based on automatic parametrization and intelligent, self-adjusting algorithms.
- Case Flows to personalize and standardize workflows



Single Plane

Siemens Healthineers · Artis Q.zen ceiling

Power 100 kW	Detector c-Si / CsI	Pixel size 160 μm
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Highlights
The Artis Q.zen ceiling-mounted system enables clinicians to care with greater ease, precision and flexibility.

- Detector: 261 mm × 287 mm (1,024 × 1,024 px), 160 μm
- Positioning flexibility
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap
- Detector: Crystalline silicon flat detector with 39 cm diagonal entrance plane/ c-Si/CsI


Single Plane

Siemens Healthineers · Artis Q.zen floor

Power 100 kW	Detector c-Si / CsI	Pixel size 160 μm
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Highlights
The Artis Q.zen floor-mounted system enables clinicians to care with greater ease, precision and flexibility for small rooms.

- Detector: 261mm × 287mm (1,024 × 1,024 px), 160 μm
- Small footprint of 29 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap
- Detector: Crystalline silicon flat detector with 39 cm diagonal entrance plane/ c-Si / CsI




Single Plane

Siemens Healthineers · Artis zee ceiling, Artis Q ceiling

Power 100 kW	Detector a-Si/CsI	Pixel size 154 μm / 184 μm
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Highlights
The Artis ceiling-mounted system enables clinicians to care with greater ease, precision and flexibility.

- Detector:
 - 20 × 20 (1,024 × 1,024 px), 184 μm
 - 30 × 40 (1,920 × 2,480 px), 154 μm
- Positioning flexibility that supports any angle
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap




Single Plane

Siemens Healthineers · Artis zee floor, Artis Q floor

Power 100 kW	Detector a-Si/CsI	Pixel size 154 μm / 184 μm
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Highlights
The Artis floor-mounted system enables clinicians to care with greater ease, precision and flexibility for small rooms.


- Detector:
 - 20 × 20 (1,024 × 1,024 px), 184 μm
 - 30 × 40 (1,920 × 2,480 px), 154 μm
- Small footprint of 29 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap



Single Plane

Siemens Healthineers · Artis zee multipurpose

Power 100 kW	Detector a-Si/CsI	Pixel size 154 μm
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Highlights
Artis zee multipurpose is designed to meet the demands of interventional radiology and fluoroscopy. The optional system left suspension meets the needs of endoscopic applications in gastroenterology

- Detector: 30 × 40 (1,920 × 2,480 pixels), 154 μm
- Ergonomic system controls for smooth table-side operation
- 2k imaging with highly practical and user-friendly handling features
- 3D acquisition rate up to 75 f / s


Single Plane

Technix · Quantic

Power 80 kW	Detector a-Si/CsI	Pixel size 139 µm
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Highlights

- Detector size: 43 x 43 cm
- Advanced DR fluoroscopic equipment design to satisfy a wide range of applications
- The fully motorized C-arm assures possibility to work with FPD above and below the combined table
- Synchronized movements between C-arm and patient table
- The strength of the system is achieved thanks to the integration of fluoroscopy and radiography in one system with a user-friendly interface




Surgical Flat Panel Systems

Medtronic · O-arm O2 Surgical Imaging System

Highlights

- Designed for surgery
- Fully mobile
- Flexible intra-operative 2D and 3D imaging
- Easy in use: All motions motorized
- Seamless integration in OR-workflow
- Easy draping of breakable gantry for uncompromised sterile use
- Robotic memory positioning of up to 4 scan positions
- 13s 360° 3D scan
- New Spine Smart Dose reconstruction
- 7s scan, Dose savings up to 70% vs. standard
- 2D long film up to 48cm and new 3D long scan up to 44cm
- Seamless integration with StealthStation navigation




Surgical Flat Panel C-Arms

GMM Group · Symbol FP - Mobile C-Arm system

Power 10 / 20 / 25 kW	Detector a-Si	Pixel size 145 – 179 µm
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Highlights

- Innovative portable C-Arm with high power generator, high speed rotating X-ray tube and flat panel detectors
- Compact design and reduced weight for a safe and easy patient approach
- Touchscreen display for a complete parameter management
- Advanced digital imaging software and dose reduction
- Wide range of applications, including vascular surgery with DSA&RM tool
- Medical grade monitors on workstation cart
- Detector Size: 23 x 23 cm – 30 x 30 cm



Surgical Flat Panel C-Arms

Intermedical · Radius EVO

Power 5/20 kW	Detector 21 x 21 cm / 30 x 30 cm	Pixel size –
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Highlights

- 5 kW or 20 kW power
- With 30 x 30 or 21 x 21 cm Flat Panel
- 20 kW unit, liquid-cooled, granting more efficient heat dissipation
- Removable anti-scatter grid
- C-arm movements identified by different colours
- User friendly Touch Screen control console, on board, for all the operative parameters with ± 90° rotation and ± 20° inclination
- The monitor trolley is equipped with a solo 27" High Resolution monitor digitally split into live and reference monitors which can be rotated of ± 180°. Equipped, as well, with a 15.6" touch screen panel allowing

the operator to set all the needed parameters, handle images and adapt software functions in real time.




Surgical Flat Panel C-Arms

Intermedical · Radius XP with flat panel

Power 30 kW	Detector a-Si/CsI	Pixel size –
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Highlights

- Large Power reserve of 30 kW
- Boost up to 250 mA
- Excellent 1,536 x 1,536 pixels image quality
- Max. 25 frames sec
- Touch Screen Panel PC directly on C-Arm with live image preview
- E-motion: all C-Arm movements are motorized
- New Dual Cooling System for Housing and Generator
- Dual Power System: power reserve system
- Available with FPD 30 x 30 or 21 x 21 cm



Surgical Flat Panel C-Arms

Siemens Healthineers · CIARTIC Move


Power 25 kW	Detector 30 x 30 cm (12" x 12")	Pixel size 152 µm
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Highlights

CIARTIC Move is a new class of self-driving mobile 3D C-arm. It has the potential to address operational challenges related to intraoperative imaging caused by staff shortages and overloaded surgical teams in the OR.*

- Move automatically: Accelerate* and standardize 2D and 3D imaging in the OR.
- Move independently: Avoid idle times and delays in the OR.
- Move effortlessly: Reduce the physical burden of working in the OR.

* Proven with orthopedic trauma and spine surgeons in a cadaveric setting with 10 human specimens, compared with Cios Spin



Surgical Flat Panel C-Arms

Siemens Healthineers · Cios Alpha



Highlights

- See the power with Full View FD in C-arm imaging
- Large field of view with a 30 cm x 30 cm (12" x 12")¹ flat detector
- See and do more – with a powerful 25 kW¹ mobile C-arm
- Smart collimation system – up to 25% more coverage² even during image rotation
- Excellent image quality at low dose thanks to Retina Imaging Chain with IDEAL dose management
- Effortless operability – full table-side control and single-touch positioning
- Broad application spectrum – with versatile imaging technology

¹ Option

² Compared to today's conventional 33cm/13 inch image intensifiers ption

Surgical Flat Panel C-Arms

Siemens Healthineers · Cios Flow

Power	Detector	Pixel size
2.3 kW	20 × 20 / 30 × 30 cm	152 µm



Highlights

- Intuitive use, low weight, and easy maneuverability – for easy system operation and more ease in the OR
- Boost system utilization – with a multipurpose system that can be used across a variety of disciplines
- Safeguard data and access – with advanced cyber security

Surgical Flat Panel C-Arms

Siemens Healthineers · Cios Select with FD

Power	Detector	Pixel size
2.3 kW	21 x 21cm	205 µm



Highlights

- Accuracy – See more with Retina FD technology and a larger field of view that lets you improve imaging accuracy¹
- Productivity – Streamline your workflow and experience easy system and patient positioning thanks to the generous C-arm geometry, green lasers, a wireless footswitch, and a smart touch user interface
- Reliability – Profit from proven excellence and system availability above 99.8%²

¹ Compared to mobile C-arms with conventional 23 cm / 9 inch image intensifier, data on file

² Statistical evaluation of installed base

Surgical Flat Panel C-Arms

Siemens Healthineers · Cios Spin

Power	Detector	Pixel size
12 / 25 kW	30 x 30 cm	152 µm



Highlights

- More certainty in demanding cases with precise intraoperative quality control based on 3D technology
- More efficiency in intraoperative 3D with Easy 3D package
- More cost-effectiveness in surgery through intraoperative corrections based on 3D images

Surgical Flat Panel C-Arms

Stephanix · Omniscope DReam

Power	Detector	Pixel size
5 kW, 20 kW or 25 kW	21 × 21 cm or 30 × 30 cm	154 µm

Highlights

- Orthopaedic: Hip and femur nailing, Tibia and Humerus fractures, Pelvis
- Head & Column: Spine fixations, Pain treatment, Neuromodulation Hyperphysectomy, Laser nucleolysis.
- Thorax: Pacemaker connections, Electro-Physiology Biopsies, Ventricular-abdominal
- Abdomen: Percutaneous nephrolithotomy (PCNL), Urethrosocopy, Cystoscopy, Cholangiography, E.R.C.P.
- Vascular peripheral: Femoral artery, Popliteal artery, Endarterectomy Control of bypasses
- Vascular abdominal: Abdominal Aortic Aneurysm procedures (AAA)
- Vascular cerebral: Carotids, Intracranial aneurysm control
- Cardiac: Angioplasty, P.C.I.
- Advanced functions:
 - APR, post-processings, DSA, metal correction, low dose mode
 - DICOM 3.0 connectivity
 - Large C-Arm depth and wide orbital rotation



Surgical Flat Panel C-Arms

Stephanix · Omniscope DReam S

Power	Detector	Pixel size
5 kW	21 × 21 cm or 30 × 30 cm	200 µm

Highlights

- Orthopaedic / Urology / Cerebral / Thoracic / Pain therapy / Peripheral vascular using DSA function – Interventional Radiology
- Single unit system, all components integrated into the C-arm stand
- Very small footprint
- 4 Mpixel 27" medical monitor on an articulated arm, adjustable height and angle
- Dynamic FPD with high DQE and MTF
- Advanced functions : APR, post-processings, metal correction, low dose mode, DSA
- DICOM 3.0 connectivity
- Flat panel detector size: 21 × 21 cm / 30 × 30 cm
- Optional patient table




Surgical Flat Panel C-Arms

Stephanix · Omniscope DReam-S Efficiency

Power 4 kW	Detector 21 x 21 cm	Pixel size 200 µm
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Highlights

- Orthopaedic / Urology / Cerebral / Thoracic / Interventional Radiology / General intra-operative
- Single unit system, all components integrated into the C-arm stand
- Very small footprint
- 4 Mpixel 27" medical monitor on an articulated arm, adjustable height and angle
- Dynamic FPD with high DQE and MTF
- Advanced functions: Anatomical programming mode (APR), post-processings, metal correction, low dose mode
- DICOM 3.0 connectivity
- Flat panel detector size : 21x21 cm
- Optional patient table




Surgical Flat Panel C-Arms

Technix · TCA 7 Compact

Power 3,5 kW / 5 kW	Detector 21 x 21 / 30 x 30	Pixel size 200 µm
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Highlights

- Fixed (3,5 kW) or rotating (5 kW) anode
- Compact dimensions and wide orbital rotation
- Integrated display and processing station
- Intuitive touchscreen user interface with image preview
- Removable grid and motorized filters for pediatric applications
- CD/DVD and USB for image exporting
- Full DICOM connectivity




Surgical Flat Panel C-Arms

Technix · TCA7

Power 5 / 20 kW	Detector 21x21 cm / 30x30 cm	Pixel size 205 µm / 194 µm
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Highlights

- Rotating anode, water cooled for long procedures
- Large C-Arm and wide orbital rotation for easy patient positioning
- Intuitive touchscreen user interface with image preview
- Removable grid and motorized filters for pediatric applications
- Up to 250.000 image storage capacity
- CD / DVD and USB for image exporting
- Full DICOM connectivity



Surgical Flat Panel C-Arms


Villa Sistemi Medicali · Arcovis DRF-C R30

Power 5 kW	Detector Amorphous Silicon	Pixel size 200 µm
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Highlights

- Mobile C-arm system with 30 x 30 cm Flat Panel Detector and rotating anode
- 5 kW Generator power
- Compact, lightweight design for easy movements
- Amorphous Silicon detector, 30 x 30 cm FPD (21 x 21 cm available)
- Removable anti-scatter grid reducing paediatric exam doses
- Dual laser localizer on monobloc and FPD for fast/precise positioning*
- Wired adjustable view station, 27" monitor*
- Wireless adjustable view station, 24" monitor*
- Active Cooling for reliable long-term operations*
- NFC technology for fast login and unit setup*

* optional



Surgical Flat Panel C-Arms


Villa Sistemi Medicali · Arcovis DRF-C S21

Power 4 kW	Detector Amorphous Silicon	Pixel size 200 µm
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Highlights

- Mobile C-arm system with Flat Panel Detector 21 x 21 cm and stationary anode for surgical imaging
- Generator power of 4 kW
- Compact and lightweight design for easy and swift movements in any direction
- Amorphous Silicon detector with flat panel of 21 x 21 cm
- Removable anti-scatter grid reducing dose in paediatric exams
- Dual laser localizer both on monobloc and FPD for fast and precise positioning on target area*
- Wired adjustable view station with 27" monitor*

* optional



Surgical Flat Panel C-Arms

Ziehm · Ziehm Solo FD

Power 2,4 kW	Detector CMOS / IGZO	Pixel size 100 µm / 135 µm / 150 µm
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Highlights

With its all-in-one design, the Ziehm Solo FD is one of the most compact C-arms on the market for even the smallest treatment scenarios. The premium variant Ziehm Solo FD CMOS delivers excellent image quality and offers a large variety of features to cover a wide range of applications.

The IGZO variant is available with a 21 cm x 21 cm and a 31 cm x 31 cm flat-panel. The bigger detector size allows to cover larger anatomical regions, such as the entire hip in orthopedics.

Additionally with Ziehm Solo FD lite, there is a configuration with a 21 cm x 21 cm flat-panel and a limited option package to serve price-sensitive markets.

- Detector size: 21 cm x 21 cm (CMOS); 21 cm x 21 cm / 31 cm x 31 cm (IGZO)



Surgical Flat Panel C-Arms


Ziehm · Ziehm Vision FD

Power 2.4 kW	Detector CMOS / IGZO / a-Si	Pixel size 100 µm / 135µm / 150 µm
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Highlights
Now in the upgraded CMOSline*, the Ziehm Vision FD features an enhanced imaging chain for excellent image quality and - thanks to the Advanced Active Cooling - is designed for continuous use. In addition, finely tuned workflows and new software features help to optimize patient outcomes and further increase productivity. The Ziehm Vision FD is now also available with a 31 × 31 cm / a-Si flat-panel. The bigger detector size allows to cover larger anatomical regions in orthopedic and vascular surgery.

- Detector size: 21 cm × 21 cm (CMOS/IGZO); 31 cm × 31 cm (a-Si)

* CMOSline represents a system configuration that is based on a Ziehm Imaging CMOS flat-panel detector.



Surgical Flat Panel C-Arms

Ziehm · Ziehm Vision RFD

Power 25 kW / 30 kW*	Detector CMOS / IGZO / a-Si	Pixel size 100 µm / 150 µm / 194 µm
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Highlights
The Ziehm Vision RFD is equipped with a powerful generator that penetrates even large anatomy. In addition, Advanced Active Cooling facilitates long and demanding procedures and the intuitive Ziehm Usability Concept** helps surgeons ensure consistently high clinical standards. This impressive feature lineup makes the systems ideal for challenging interventions.

- Detector size: 31 cm × 31 cm; 21 cm × 21 cm (CMOS, IGZO); 30 cm × 30 cm (a-Si)

* 30 kW generator available with CMOS detector.
** The Usability Concept includes a variety of hard- and software features. Due to regulatory reasons the availability of each feature may vary. Please contact your local Ziehm Imaging sales representative for detailed information.



Surgical Flat Panel C-Arms

Ziehm · Ziehm Vision RFD 3D

Power 25 kW / 30 kW*	Detector CMOS / a-Si	Pixel size 100 µm / 194 µm
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Highlights
Bundling 2D and 3D functionality for greater intraoperative control, the Ziehm Vision RFD 3D reduces the need for postoperative CT scans and costly corrective surgeries. It is equipped with Ziehm Iterative Reconstruction to minimize fan and metal artifacts in 3D reconstruction, so far only known from CT imaging. This makes the Ziehm Vision RFD 3D ideal for high-end orthopedic, trauma and spinal interventions as well as for demanding multidisciplinary use.

- Detector size: 31 cm × 31 cm (CMOS); 30 cm × 30 cm (a-Si)

* 30 kW generator available with CMOS detector.



Surgical Flat Panel C-Arms

Ziehm · Ziehm Vision RFD Hybrid Edition

Power 25 kW / 30 kW*	Detector CMOS / a-Si	Pixel size 100 µm / 194 µm
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Highlights
The Ziehm Vision RFD Hybrid Edition** is a powerful mobile C-arm that is also available with CMOS imaging technology to successfully perform during highly demanding interventional cardiovascular procedures – flexible and everywhere – at any time.

- Detector size: 31 cm × 31 cm; 21 cm × 21 cm (CMOS); 30 cm × 30 cm (a-Si)

* 30 kW generator available with CMOS detector.
** Ziehm Vision RFD Hybrid Edition represents a group of optional hardware and software that creates an option package on the device named Ziehm Vision RFD.




Surgical II-C-Arms

GMM Group · Symbol R9 - Mobile C-Arm system

Power 5/10 kW	II format 9"	CMOS camera 1kx1k
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Highlights

- Mobile C-Arm system with high frequency monobloc generator and 9" high contrast image intensifier
- Light-weight C-Arm for wide and precise movements
- Intuitive interface for easy parameter control
- Advanced digital image processing software
- Optimal image quality with low dose levels
- Various applications, including vascular surgery with DSA & RM tool
- Medical grade monitors on workstation cart



Surgical II-C-Arms


Siemens Healthineers · Cios Select

Power 2.3 kW	II format 23 cm	CCD-matrix 1 k ²
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Highlights

- Accuracy – Acquire sharp, balanced images with smart image quality and dose algorithms, noise reduction, metal correction, and dedicated organ programs
- Productivity – Streamline your workflow with easy system and patient positioning enabled by the generous C-arm geometry, a wireless footswitch, and a clearly designed control panel
- Reliability – Profit from proven excellence and system availability above 99.8%¹

¹ Statistical evaluation of installed base




Surgical II-C-Arms

Technix · TCA 6 Compact

Power 3,5 kW	II format 9"	CCD-matrix 1K × 1K
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Highlights

- Highly optimized mobile system for surgical fluoroscopy and radiography
- Compact design to minimize space requirements
- Integrated touchscreen display and processing station
- Motorized column elevation
- +/- 60° rotating keyboard
- Triple field image intensifier
- Full DICOM connectivity



Surgical II-C-Arms

Villa Sistemi Medicali · Arcovis 3000 S/R

Power 3.5 – 15 kW	II format 9"	CCD-matrix 0.5 × 0.5 k/1 × 1 k
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Highlights

- Application in urology, cardiology, orthopedics and general surgery
- Choice between fixed anode (3000 S) or rotating anode (3000 R) versions
- Choice of 0.5 × 0.5 k or 1 × 1 k camera and several image storage options to satisfy all applications
- Premium version with 15 kW power, 1 × 1 k camera

Refurbished Systems

Siemens Healthineers · Artis Q biplane eco




Highlights

- Visionary in intervention
- Biplane angiography system for neuro interventions with identic detector and tube configuration in both planes

Refurbished Systems

Siemens Healthineers · Artis Q ceiling eco




Highlights

Visionary in intervention

- Ceiling-mounted angiography system with double C-arm for head-to-toe coverage (up to 230 cm) in 2D and 3D

Refurbished Systems

Siemens Healthineers · Artis Q floor eco




Highlights

Visionary in intervention

- Floor-mounted angiography system with flexible system positioning and small footprint

Refurbished Systems

Siemens Healthineers · Artis zee biplane eco



Highlights

Tackle every challenge

- With two small, two large or mixed detectors provides excellent biplane imaging from head-to-toe
- It supports two iso-centric imaging positions including a second working position for free head-side access

Refurbished Systems

Siemens Healthineers · Artis zee ceiling eco

Highlights

Tackle every challenge

- Easy patient access and full body coverage from all sides
- Unique InFocus and IsoTilt maintaining the projection angle during stand rotation and during table tilting
- Uncompromised soft-tissue imaging of syngo DynaCT from the left side to also cover the patient's lower abdomen



Refurbished Systems

Siemens Healthineers · Artis zee floor eco

Highlights

Tackle every challenge

- Available with a small or large detector
- Provides positioning flexibility even for very small rooms of only 25m²



Refurbished Systems

Siemens Healthineers · Artis zee multipurpose eco

Highlights

Tackle every challenge

- Flexible architecture with versatile clinical applications
- Available with right-side table suspension for routine interventional angiographic procedures, fluoroscopy and radiography
- Left-side table suspension providing optimal patient access during endoscopic procedures



Refurbished Systems

Siemens Healthineers · Cios Alpha eco VA30

Highlights

See the power with Full View FD in C-arm imaging

- Large field of view with a 30 cm × 30 cm (12" × 12")¹ flat detector
- See and do more – with a powerful 25kW¹ mobile C-arm
- Smart collimation system – up to 25% more coverage² even during image rotation
- Excellent image quality at low dose thanks to Retina Imaging Chain with IDEAL dose management
- Effortless operability – full table-side control and single-touch positioning
- Broad application spectrum – with versatile imaging technology



DISCLAIMER PAGE

Refurbished Systems

Siemens Healthineers · Cios Flow eco

Highlights

Get straight to work

Benefit from intuitive use and versatile applications – plus advanced cybersecurity:

- Designed for more ease in the OR
- Versatility supports system utilization
- Cybersecurity to safeguard data and access



Refurbished Systems

Siemens Healthineers · Cios Fusion eco

Highlights

Fuse surgical versatility with Full View FD

- From Full View FD imaging and easy system handling to a broad surgical versatility
- Cios Fusion eco provides a great number of excellent mobile C-arm benefits
- 160% more to see¹ – with Full View FD
- Save time – with advanced table-side control²
- Drive surgical revenue – with innovative technology



DISCLAIMER PAGE

Refurbished Systems

Siemens Healthineers · Cios Spin eco

**Highlights**

A mobile C-arm for 2D and 3D intraoperative imaging

- Mobile 2D and 3D C-arm for intraoperative quality control
- Easy to integrate into your surgical routine
- Features dedicated 3D technology that allows you to confirm your planned results

KU

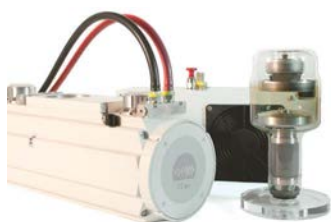
GESUNDHEITSMANAGEMENT

Please visit us at

ku-gesundheitsmanagement.de

Accessories / Complementary Systems

I. A. E. · C30-RTM 70

**Highlights**

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

Accessories

IMD Generators · X-ray Monobloc, Skin Family

Highlights

- Single Tank x-ray Generator, with painted aluminium case
- Customised product according to the customer's technical requirements
- Stationary and Rotating Anode Tube
- Power range from 4 kW up to 20 kW
- Kv range from 40 up to 120 kV
- Properly developed and designed for C-arm units with medium to intense Rad and Fluo application
- EC certificate



Artificial Intelligence



Canon
CANON MEDICAL COMPONENTS EUROPE B.V.

SIEMENS
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Artificial Intelligence

Canon · Intelligent Noise Reduction



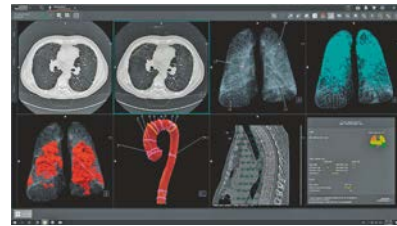
Highlights

Intelligent NR is Canon's AI image processing option, developed using machine learning and an existing clinical image database to create a neural network for deep-learning. By identifying the characteristics of noise and applying the pre-learned neural network, a noise-reduced image is created. Key Features:

- High quality diagnostic images with reduced noise
- No noticeable loss of anatomical detail
- Potential dose reduction
- Only available on NE 3.10 and higher; x10 & Elite series detectors

Artificial Intelligence

Siemens Healthineers · AI-Rad Companion



Highlights

The AI-Rad Companion, is a family of AI-powered workflow solutions, available as cloud or hybrid deployments. It supports you in your diagnostic tasks and may increase your diagnostic precision when interpreting medical images.

Its solutions provide automatic post-processing of imaging datasets through our AI-powered algorithms. The automation of routine workflows with repetitive tasks and high case volumes helps you to ease your daily workflow – so that you can focus on more critical issues.

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IT Systems

- RIS
- Business Intelligence
- PACS
- VNA
- Remote Scanning
- Reading
- Portal Solutions
- Mobile RIS / PACS Viewers
- Dose Management Systems
- Accessories / Complementary Systems

EXAMION[®]
X-Ray Systems · Digital Imaging · Service


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 **nexus|chili**
imaging & radiology solutions

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How digital twins will support the radiologist of the future

Digital twin technology can transform clinical practice by aiding patient-specific prediction and supporting personalized treatment models. Expert speakers at an ECR2024 session in Vienna focussed on how radiology will play a leading role in the advance through data acquisition via a range of imaging modalities.

Report: *Mark Nicholls*

The session was chaired by radiologist Professor Valeria Panebianco from the Sapienza University of Rome, who also outlined her department's work with digital twin technology.

To set the stage, she provided a rough definition of what a digital twin can be:

- an evolving digital profile that helps optimise digital performance;
- a dynamic digital representation; or
- a virtual representation of a physical object or system across its lifecycle.

The key concepts are that the two systems – physical and digital – should exist side by side on a real time basis.

Panebianco said; 'As simulation models, digital twins will transform clinical practice as they will provide patient-specific prediction for

the prevention, screening and disease diagnosis as well as personalization and assessment of response to therapy.'

Bridging the human-digital divide

The expert delivered insights on the future development of digital twins in radiology through clinical, computational, digital and virtual pathways, noting that it is 'where the real clinical world meets digital'. However, the complexity and prognostic heterogeneity of diseases make it necessary to apply computational tools and precision medicine.

'The data for digital twins' development can be derived from many different medical specialities,' she continued. 'However, radiology stands out for multiple factors as radiologists make diagnoses and assess therapy response, which are the main predictive clinical questions to which digital twins have to reply.'

Radiology produces large amounts of data from different modalities such as CT, MRI and ultrasound, providing a rich foundation

for quantitative and functional information. To achieve the goal of making viable predictions, the data fed to the digital twins must be accurate as well, Panebianco said.

She pointed to current examples of digital twin applications, such as in cardiology to inform on clinical decisions, in orthopaedics to maintain musculoskeletal health of soldiers, and in multiple sclerosis for simulation models for treatment outcomes.

Outlining the work to develop digital twin technology at the University of Sapienza, she said her focus is on validating wearables, liquid biopsy and imaging biomarkers in prospective studies to construct the digital twin.

She concluded: 'Radiology is able to provide a bridge between the human being and the digital twin by shortening the gap and enhancing the development of this innovative digital solution.'

Efficiency, personalization, research

Meanwhile, Huan Xuan Nguyen, Professor of digital communication in engineering at Middlesex University in London and Director of the London Digital Twin Research Centre, went into more detail on what he called the "three pillars" of digital twins in healthcare:

- models developed for healthcare facilities and organizations, designed to improve efficiency of hospital or departments;
- digital twins of the human body for personalized diagnosis, treatment planning, treatments and interventions; and
- models geared towards disease research, medicine and device development.

However, he cautioned that implementation of digital twins in healthcare come with high deployment and maintenance costs, with significant investment needed in technology platforms to achieve viable results.

Nguyen also outlined technical challenges, with notable issues around data collection and integration, computational resources, model accuracy and validation, as well as privacy and security concerns. The effort needed to overcome these challenges might still be worth it, he added: 'The benefit in healthcare and radiology is that you can have greater predictive accuracy with a digital twin, treatment plan optimisation and can test scenarios without interfering with real patients.'

'It can also be used for research and training and to familiarise patients with equipment. Finally, personal care and treatment is one of the most important potential benefits of the digital twin.'

Need for a regulatory framework

Dr Ilena Rapisarda, a private law researcher from the Department of Law at the University of Catania in Sicily, explored ethical and legal issues of digital twin technology.

While the technology's development might still be in its infancy, the field is rapidly evolving, she said: 'Clinicians will be able to simulate aspects of treatments on patient digital twins and determine which option is likely to be the most effective.'

'Digital twin technology offers great opportunities to revolutionize healthcare systems, and ethical issues should not prevent development of such technologies but should integrate with it.'

However, the expert warned that conflicts of interest must be regulated by adopting an ethical approach, with the new technologies governed by the law. She said it was necessary to adopt an appropriate regulatory framework, especially regarding the allocation of responsibilities between the different actors involved in the production and use of digital twins. The framework should also introduce ethical principles of autonomy, responsibility and transparency in codes of conduct and training courses for engineers, computer scientists and developers, with particular reference to ethics in the design of technologies.



Valeria Panebianco

Valeria Panebianco is Full Professor of Radiology at the Sapienza University of Rome with a specialist interest in diagnostic imaging focused on GU, screening programmes and precision medicine. She is scientific co-ordinator of a range of projects on digital medicine applications in healthcare.



Huan Xuan Nguyen

Huan Xuan Nguyen is Professor of digital communication in engineering at Middlesex University in London and Director of London Digital Twin Research Centre, with research interests include that include digital twin modelling, digital transformation and machine learning.

RIS

Mesalvo · MC³ Radiology | RadCentre Cockpit & Speech Integration**Highlights**

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

- Integration of received reports (specification depends on cooperating system)
- Fast and efficient creation of reports for treatment without delay

RIS

Nexus/Chili · RIS

**Highlights**

- Modern and intuitive user interface
- Scheduling and resource management
- Seamless integration with all our radiology products, e.g. PACS and portals
- Context-sensitive integration of 3rd party solutions, e.g. speech recognition, structured reporting and dose management
- Integration server for the management and monitoring of DICOM or HL7 interfaces
- Business intelligence tools

Business Intelligence

Mesalvo · MC³ Radiology | RadCentre Analytics**Highlights**

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

- Predefined and high performant processing of operating figures
- Unlimited analysis options for optimisation of business outcomes
- Integrated data warehouse solution
- Visualization of radiation exposure extracted from PACS

Business Intelligence

Siemens Healthineers · eHealth Solutions

**Highlights**

The eHealth Solutions applications are based on an interoperable, system- and vendor-neutral platform to enable cross-organizational health data exchange. Helping to enable close collaboration and communication across care teams and with patients, aiming at achieving better and more timely outcomes:

- Accelerate productivity by providing physicians summarized information
- Facilitate interactions between care teams along with their patients for timely and precise decision-making
- Empower patients to actively engage in their own healthcare

Business Intelligence

Siemens Healthineers · teamplay Contrast

**Highlights**

teamplay Contrast* provides easy access to contrast data to support quality assurance by monitoring overall consumption and injected volumes. It displays data for continuous performance evaluation across injector types and vendors, offering efficient contrast data analysis. Get an overview of contrast performance with filters for injector, body region, protocol, and location. Analyze, review, and report contrast KPIs, detect outliers, understand root causes, and compare performance across units to make lasting improvements.

* teamplay is not commercially available in all countries. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed.

Business Intelligence

Siemens Healthineers · teamplay Insights

**Highlights**

teamplay Insights* provides broad access to radiology department data, enabling personalized dashboards for monitoring and in-depth analysis. It helps track goals, analyze dose data, identify peak times for staffing, and optimize resource utilization to make well-informed decisions and maximize value.

- Customized dashboards: Create tailored data insights
- Export & download: Export data or automate reports
- Integration: Connect external analytics systems
- Predefined templates: Access easy-to-use dashboard templates

* teamplay is not commercially available in all countries. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed.

Business Intelligence

Siemens Healthineers · teamplay performance management applications



Highlights

The teamplay performance management applications support you in improving your business performance outcomes by enabling you to make quick and well informed decisions, and offering a clear overview of your clinical and operational data.* The applications provide you with centralized access to operational, technical, and clinical data to help you optimize your operations and to deliver a higher quality of care.

* teamplay Protocols and teamplay Fleet supports (selected) Siemens scanners. Please contact your Siemens representative for more details

Business Intelligence

Siemens Healthineers · teamplay Protocols



Highlights

With teamplay Protocols*, identify best-practice scan protocols, track changes, view deviations, and explore version history across CT and MR protocols. Save time by distributing protocols remotely, learn from peers on MAGNETOM World, and edit protocols centrally using remote desktop sharing or non-interruptive technologies.

- Visualization and comparison: Protocol insights across scanners
- Operation: Centralized protocol editing tools
- Remote protocol distributions

* teamplay Protocols supports (selected) Siemens Healthineers scanners.

Business Intelligence

Siemens Healthineers · teamplay Usage



Highlights

teamplay Usage provides transparency into your radiology department by monitoring patient throughput, scanner utilization, and productivity. It helps identify improvement opportunities in your imaging fleet, supports the implementation of measures, and tracks their success.

- Monitor performance: Track throughput, utilization, productivity
- Compare performance: Benchmark across scanners
- Actionable insights: Identify performance issues, improvements
- Support improvements: Track and share progress

PACS

Examion · X-AQS



Highlights

Universal software platform for radiological image acquisition and management of all medical image data.

- High quality images in a few clicks
- Intuitive GUI with clear menu structure and icons
- Modular architecture, adaptable to all needs
- Certified diagnostic viewer with comprehensive measurement functions
- Convenient web viewer

PACS

Nexus/Chili · CHILI Portal-Downloader

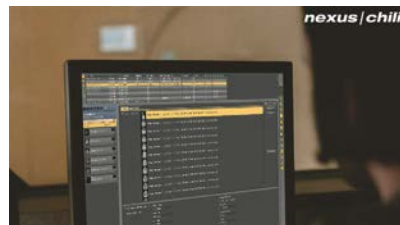


Highlights

Easy import of data from patient portals into your system environment. The CHILI Portal-Downloader offers a standardized, user-friendly interface for downloading from numerous patient portals and forwarding the data to your existing system environment. The integration is seamless and very efficient thanks to the parallel processing of downloads. This saves valuable time and ensures a smooth workflow.

PACS

Nexus/Chili · Import PACS



Highlights

- PACS for external data from CD / teleradiology
- Temporary archive in addition to regular PACS
- Manual web-based import
- Automatic import with import robot
- Data reconciliation with own IDs (IHE compliant)
- Delivery to regular PACS
- Adjustable automatic data removal
- DICOM Q / R capable
- Works with any other PACS

PACS

Nexus/Chili · PACS

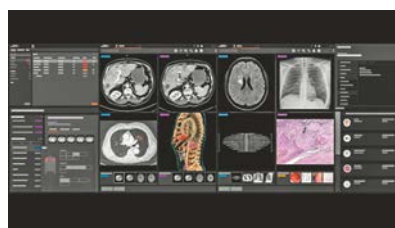


Highlights

- Makes multimedia viewing possible regardless of platform and device
- One viewer for all areas • Scalable (practice to enterprise) • Multitenancy
- Fail over and load balancing • Archiving in existing systems • Interfaces and synchronisation with HIS / RIS • Supports multiple IHE workflows • Referring physician access • Teleconferencing • Consultation • Enables deep integration of AI providers • Provides a basis for bidirectional networking via CHILL's own portals • Improves IT security by own access gateway in DMZ

PACS

Siemens Healthineers · Syngo Carbon



Highlights

Syngo Carbon is an Enterprise Imaging IT solution.

- Access all relevant imaging data, diagnostic software elements, and tools in one workspace
- Access advanced imaging software for 2D, 3D, and 4D image reading to improve outcomes
- Utilize embedded semi-automatic tools and AI technology to help increase efficiency in routine reading
- Translate image findings into coded data for real-time transfer into reports and sharing across systems
- Quickly generate hybrid reports with structured findings and actionable results

VNA

Nexus/Chili · Web

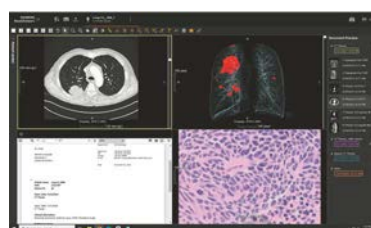


Highlights

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

VNA

Siemens Healthineers · Syngo Carbon IDM



Highlights

Syngo Carbon IDM is the universal solution that meets the requirements of a powerful enterprise data management solution for managing, sharing and archiving clinical data independent of format and origin (DICOM and Non-DI-COM). Scalable storage capacities allow data management across departments.

- Patient-centric storage
- Single point of integration
- Cost-saving data management
- Patient Access
- Universal zero-footprint enterprise viewer

Remote Scanning

Siemens Healthineers · syngo Virtual Cockpit



Highlights

syngo Virtual Cockpit is Siemens Healthineers' software for vendor independent remote scanning. With *syngo* Virtual Cockpit, healthcare institutions can transform care delivery and achieve a higher level of standardization and diagnostic consistency, with techs serving patients independent of location.

- Boost confidence by sharing in-house expertise
- Enhance patient satisfaction by improving availability
- Relieve cost pressure by enhancing flexibility

Reading

Nexus/Chili · Diagnost



Highlights

- Universal PACS Viewer, Independent of modality
- CT, MR, CR, DR, PET, PET-CT, US, XA, ...
- Mammography
- Radiotherapy
- Powerful hanging protocols
- Independent of operating system
- Integrated teleradiology
- Extensible by other applications
- HIS / RIS integration
- Consultation functionalities
- Teleconferencing

Reading

Siemens Healthineers · *syngo.via*

Highlights

syngo.via is the intelligent, integrated imaging software offering multi-modality and fast 3D reading with innovative AI-powered applications. It streamlines routines, delivers actionable imaging results, and enhances care.



- Simplify Routine: Streamlined reading and reporting with integrated solutions.
- Empower Innovation: Latest technologies and *syngo.via* Open Apps boost clinical capabilities.
- Adapt to You: Seamlessly integrates into your IT and scales from workstation to multi-site.

Portal Solutions

Mesalvo · MC³ Radiology | RadCentre Patientenportal



Highlights

The RadCentre Patientenportal supports image and report communication between doctors and patients and improves utilization in medical facilities and clinics.

- Efficient appointment management for optimized processes
- Direct data exchange with referring physicians and patients
- Provision of information sheets and consent forms before examination

Portal Solutions

Nexus/Chili · Patient Portal (CD replacement)



Highlights

Progressive solution for the exchange of medical data between institutions and patients

- Digital alternative for physical patient CD
- Protection of data privacy
- Easy integration into RIS
- Login via token, capture, and optional request of further information
- Works with all smartphones or desktop computers; no installation required for patients
- Automatic transfer of images from every PACS

Reading

Siemens Healthineers · *syngo Dynamics*

DISCLAIMER
PAGE



Highlights

syngo Dynamics is a vendor agnostic Cardiology Imaging IT system that revolutionizes cardiovascular care by consolidating multi-modality data including Cardiac CT and MR seamlessly into a single solution, providing a 360° view of data for informed cardiovascular care:

- Automates information flow while applying evidence-based analysis to enhance data and diagnostic consistency
- Structured reporting guides diagnosis, treatment and efficient payment
- Remote workplace and web viewer – report and images can be accessed anywhere, anytime

Portal Solutions

Nexus/Chili · Nexus / Portal



Highlights

Patient Empowerment even before hospital admission, during treatment and discharge.

- Modular system integrates with primary systems
- Online appointments and digital forms for patient info
- Upload option for patients (DICOM images and documents)
- Digital provision of treatment info and results
- Can serve as patient intranet and integrate CMS content
- Works on smartphones and desktops; no installation by patient

Portal Solutions

Nexus/Chili · Referrer-Portal



Highlights

State-of-the-art solution for radiological institutions to exchange images and results with referring physicians.

- Permanent account for referrers
- Secure exchange of images (DICOM) and other documents (PDF, JPEG etc.)
- Referrers can easily book appointments for their patients
- Automatic notification and transfer of results to referrers' systems (PACS/RIS)
- Web-based application with integrated viewer
- Protection of data privacy (e.g. 2FA)
- Easy integration
- Time and cost savings

Portal Solutions

Nexus/Chili · Teleradiology Gateway



Highlights

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

Portal Solutions

Nexus/Chili · Teleradiology Portal



Highlights

Web-based portal that covers the entire teleradiological workflow

- Electronic request and reporting process
- Guided steps throughout the entire workflow
- Complete documentation of all steps
- Integrated quality assurance according to DIN 6868-159
- Transfer of images via DICOM
- Access to all data anywhere anytime
- Availability of data relevant to accounting

Mobile RIS/PACS Viewers

Nexus/Chili · WebViewer



Highlights

- Mobile image viewer
- Teleradiology
- PACS administration
- Easy integration into any other system, such as HIS / RIS / PACS / EPR
- Works without an app store
- Independent of operating system (iOS, Android, ...)
- Device independent (Apple, Google, ...)
- No app – but HTML5!
- Works with any PACS

Dose Management Systems

Mesalvo · MC³ Radiology | RadCentre Dose View

Highlights

RadCentre Dose View is a stand-alone and RIS-independent dose management system to assess patient exposures due to ionizing radiation. The system is able to meet legal requirements (i.e. EU-Directive EURATOM 2013/59 and related national regulations for radiation protection) by offering consistent standards to increase the quality of radiological examinations.

Dose Management Systems

Siemens Healthineers · teamplay Dose



Highlights

teamplay Dose simplifies radiation dose management for your entire imaging fleet by providing you with easy access to radiation dose data in order to reduce dose and facilitate compliance to dose management requirements.

- Simple monitoring and managing of dose values on various levels, ranging from all modalities to a single patient
- Find the outliers and understand the root causes to take corrective actions
- Learn from your peers by benchmarking dose values on global and national levels

Accessories / Complementary Systems

Canon · Advanced Edge Enhancement



Highlights

- Enhanced visibility of catheters, fine structures and bones
- Better visualization of foreign structures in the image
- Enhanced display of fine structures
- Better definition of the structures in soft tissue and low dose areas
- Obtain enhanced images suitable for measurement or other applications
- Catheter, small structure and bone settings depending on the specific application
- Improved visibility of bone contours for easier measurement of length and angles

Accessories / Complementary Systems

Mesalvo · MC³ Radiology | RadCentre Technician Profile



Highlights

- RadCentre Technician Profile visualizes requested or performed examinations and reports at a glance and supports a fast and modality based workflow.
- Specific icons show examination status or patient information
- Images of prior examinations via integrated PACS viewer
- Interactive icons to change information or workflow status
- Scanned document files and laboratory results



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Women's Health

Tomosynthesis
Digital Mammography
Biopsy Units
Film-Screen Mammography
Mammo Workstations
Refurbished Systems
Accessories /
Complementary Systems



Planned

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Tomosynthesis

IMS Giotto · GMM Group – Giotto Class

Pixel size 85 – 83 µm	Scan angle 30°	Scan time 11 s
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Highlights

- Giotto Class is an advanced and innovative three dimensional breast imaging technology able to perform
- Digital mammography and Breast Tomosynthesis
- Synthesized 2D image generated from 3D dataset
- Stereotactic biopsy in prone or upright position
- Integrated Real time biopsy tissue cores imaging
- Contrast-Enhanced Mammography

The system is open to new AI application and sports algorithm for estimating the volumetric breast density according to the 5th edition of ACR BI-RADS Atlas.

IMS Giotto is a company of GMM Group



Tomosynthesis

Planned Oy · Clarity 3D

Pixel size 83 µm	Scan angle 15°	Scan time 13 s
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Highlights

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



Tomosynthesis

Siemens Healthineers · MAMMOMAT B.brilliant

Pixel size 85 µm	Scan angle 50°	Scan time 5 sec
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Highlights

- MAMMOMAT B.brilliant – the next generation of 3D mammography
- Featuring PlatinumTomo, a completely new breed of tomosynthesis image acquisition technology
- 50° Wide-Angle Tomosynthesis and a scan time of just 5 seconds¹
- Unprecedented image quality, excellent in-plane resolution, best in-depth resolution², and customizable image impression
- A system design focused entirely on patients and radiographers
- Convenient decision processes for all mammography-based diagnostic applications

¹For average breast size of 5 cm, 50/50% glandular/adipose tissue
²Maldera et al. (2016): Digital breast tomosynthesis: Dose and image quality assessment. Physica Medica, pp. 1-12



DISCLAIMER PAGE

Tomosynthesis

Siemens Healthineers · MAMMOMAT Revelation

Pixel size 85 µm	Scan Angle 50°	Scan time 25 s
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Highlights

- Digital mammography system for screening and diagnostics
- Make anatomical details clearly visible with our unique 50° wide-angle – in breast tomosynthesis and breast biopsy
- Automated breast density measurement right at the acquisition workstation allows for instant risk stratification
- InSpect – our integrated specimen scanner facilitates the immediate control of the biopsy directly at the system
- Get additional diagnostic information fast with Titanium Contrast Enhanced Mammography
- Unlock the potential of your X-ray department with Fleet Level Benefits



Tomosynthesis

Villa Sistemi Medicali · Melody IIID TS 3.0

Pixel size 85 µm	Scan range 15° / 24° / 50°	Scan time 2.5 s / 4 s / 7.7 s
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Highlights

- Tomosynthesis function with selection of three scan angles: 15°, 24° and 50°
- Available with Amorphous Selenium FPD (standard or fast speed for tomo scan)
- Special anti-scatter grid for tomo
- Dynamic collimator with automatic recognition of compressor paddle
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Full DICOM Acquisition workstation on-board or in a separated unit
- Ready for tomo-guided biopsy
- Ready to be implemented with Dual Energy work modality
- Optional diagnostic workstation available with CAD software



Digital Mammography

IMS Giotto · Giotto Class Smartfinder

Pixel size 85 – 83 µm	Detector size 24 x 30 cm	Detector type a-Se or a-Si
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Highlights

- Giotto Class is a patented breast tomosynthesis system offering a multitude of diagnostic and interventional solutions, including Stereotactic biopsy in prone or upright position using the specific prone table accessory.
- High precision tomo guided biopsy
- Combination of traditional stereo technique and tomo biopsy
- Integration with accessory for realtime acquisition of biopsy cores imaging
- The compact design allow the operator to use the system in the same room for both diagnostic and interventional procedures

IMS Giotto is a company of GMM Group


Digital Mammography

IMS Giotto · GMM Group – Giotto Class 40000

Pixel size 85 – 83 µm	Detector size 24 x 30 cm	Detector type a-Se
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Highlights
The system is designed to drastically improve the screening and diagnostic throughput thanks to an high rotation speed and an improved vertical run speed. The gantry is ergonomically designed to give patients a natural and more relaxed positioning. The system is open to new AI application and sports algorithm for estimating the volumetric breast density according to the 5th edition of ACR BI-RADS Atlas. The operating and interventional modalities include:

- Digital mammography and Breast Tomosynthesis
- Synthesized 2D image generated from 3D dataset
- Combo: Tomosynthesis & digital mammography



- High precision tomo guided or stereotactic biopsy
- Contrast-Enhanced Mammography

IMS Giotto is a company of GMM Group


Digital Mammography

Planmed Oy · Clarity 2D

Pixel size 83 µm	Detector size 24 x 30 cm	Detector type a-Si
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Highlights

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



Digital Mammography

Planmed Oy · Clarity S

Pixel size 83 µm	Detector size 24 x 30 cm	Detector type a-Si
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Highlights

- Sturdy companion for your everyday breast imaging and follow up studies
- Tailored image post-processing delivers optimal images for all needs
- Design enables perfect usability and excellent patient and user ergonomics
- Compact size, durable a-Si detector and single phase power feed make the unit optimal for demanding conditions such as mobile installations




Digital Mammography

Siemens Healthineers · MAMMOMAT Fusion

Pixel size 83 µm	Detector size 23 x 30 cm	Detector type CsI
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Highlights
Premium mammography system to enhance everyday screening and diagnostics

- Help your patients to relax with the MoodLight option
- Stereotactic biopsy option for fast seamless procedures
- New generation CsI detector technology for higher spatial resolution at low dose
- Refined workflow to perform complex tasks at the click of a button
- Personalized OpComp and OpDose
- Focus on total cost of ownership including operating costs and service
- Unlock the potential of your X-ray department with Fleet Level Benefits




Digital Mammography

Villa Sistemi Medicali · Melody IIID 3.0

Pixel size 85 µm	Detector size 24 x 30 cm	Detector type a-Se or a-Si
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Highlights

- High performance X-ray generator with wide kV range (20 – 49 kV)
- Isocentric ±180° rotating C-arm with vertical and rotation motorized movements
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Ready for optional stereotactic biopsy
- Full DICOM Acquisition workstation on-board or in a separated unit
- Upgradable to TS version with tomo
- Ready to be implemented with Dual Energy work modality
- Optional diagnostic workstation available with CAD software




Digital Mammography

Villa Sistemi Medicali · Melody IIID C 3.0

Pixel size 85 µm	Detector size 24 x 30 cm	Detector type a-Se or a-Si
---------------------	-----------------------------	-------------------------------

Highlights

- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- Isocentric ±180° rotating C-arm with vertical and rotation (optional) motorized movements
- Available with Amorphous Selenium FPD
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Double touchscreen LCD display to control main parameters
- Compact unit with full DICOM acquisition workstation on-board
- Optional diagnostic workstation



Biopsy Units

IMS Giotto · Giotto Flexible

Pixel size 85–83 µm	Detector size 24 x 30 cm	Detector type a-Se or a-Si
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Highlights

Flexible is an accessory which, in combination with the Giotto CLASS system and the Smartfinder biopsy kit, enables interventional prone biopsy procedures



- High manoeuvrability, thanks to its reduced weight, the handle and the special wheels
- Excellent ergonomics for the patient thanks to the possibility of adapting the position of the breast and inclining or raising the front end of the table to compensate for bending and come into closer contact with the chest
- Excellent ergonomics for the operator: thanks to the large vertical travel, which makes it possible to work either standing or sitting, and the absence of connecting cables when the table is powered by the battery

IMS Giotto is a company of GMM Group

Film-Screen Mammography

Villa Sistemi Medicali · Melody III 3.0

Power 20–35 kV	Anode Mo	Filter Mo/Rh
-------------------	-------------	-----------------

Highlights

- High performance integrated X-ray generator with wide kV range (20–35 kV) and fine adjustment (0.5 kV step)
- AEC with selection of exposure parameters in function of effective breast density
- Available with 18 x 24 / 24 x 30 cm bucky or potter accepting both cassette sizes
- Isocentric ± 180° rotating C-arm with vertical and rotation (optional) motorized movements
- Ready for optional stereotactic biopsy
- Double touchscreen LCD display to control main parameters
- Upgradable to digital version



Mammo Workstations

Siemens Healthineers · Mammovista B.smart

DISCLAIMER PAGE

Highlights

- Exceptional performance for high speed tomo reading with up to 75%¹ faster image loading
- Next-gen AI-powered tools enable workload reduction up to 63%² and up to 10%³ increased accuracy in diagnosis
- Full spectrum multimodal reading with motion corrected MRI data, subtraction calculation and advanced analytical tools
- Comprehensive double-blind reading management with automatic screening case recognition



¹ Data on file.

² Lauritzen AD, Rodríguez-Ruiz A, von Euler-Chelpin MC, Lyngø E, Vejborg I, Nielsen M, Karssemeijer N, Lillholm M. An Artificial Intelligence-based Mammography Screening Protocol for Breast Cancer: Outcome and Radiologist Workload. Radiology. 2022 Apr 19:210948

³ van Winkel SL, Rodríguez-Ruiz A, Appelman L, Gubern-Mérida A, Karssemeijer N, Teuwen J, Wanders AJT, Sechopoulos I, Mann RM. Impact of artificial intelligence support on accuracy and reading time in breast tomosynthesis image interpretation: a multi-reader multi-case study. Eur Radiol. 2021;31:8682-8691.

Refurbished Systems

Siemens Healthineers · MAMMOMAT Revelation eco

DISCLAIMER PAGE

Highlights

See the whole picture

- Breast Health 360° approach
- PRIME Technology leads to up to 30%¹ less dose with uncompromised image quality
- Automatic exposure control (AEC)
- OpDose® offers the right dose for every patient
- With just a 1-view tomo scan you can reduce dose by 15%²
- Insight 2D eliminates the need for an additional FFDM image and thereby lowers the overall dose exposure³
- 50° wide angle Tomosynthesis
- Improved patient experience



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Accessories / Complementary Systems

I. A. E. · C340



Highlights

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

Accessories / Complementary Systems

I. A. E. · XK1016T - 400W



Highlights

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

Accessories / Complementary Systems

IMD Generators · HV Mammo Generator

Highlights

- Single tank High Voltage Generator for x-ray tube, all aluminium cased
- Properly developed and designed for Mammo System
- Its maximum power reaches 4 kW or 8 kW
- kV range from 20 to 50 kV
- It can be powered with dedicated Control Unit
- EC certificate



RAD BOOK 2025

Please visit us at
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R / F Systems

DR
Bucky
DR Detectors
Flatpanel Fluoro
Fluoroscopy
Mobile DR
Portable DR
Mobile X-ray
Business Intelligence
R/F digital – DR Retrofit
Accessories /
Complementary Systems



DEL MEDICAL




DR

Del Medical · FMT

Power	Detector Type	Pixel size
32/40/50/65/80 kW	a-Si / CsI	99 / 139 / 148 μm

Highlights

- Compact and economical floor mounted tube stand with low ceiling requirement of just 2.2 meters
- Technologist friendly digital display of SID and tube angle
- Easily accessible tube mounted lock release for 180° column rotation
- High quality table with four-way floating tabletop and 318 kg patient weight limit – table base can house generator electronics for additional space savings
- Space efficient wall stand for wireless or fixed detectors with 148 cm of vertical travel
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel Detector options:



- E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating
- E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
- E17C: 43x43 cm (17x17 in) Fixed Cesium
- E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating
- LLI: 43x107 cm (17x42 in) Wireless Cesium


DR

Del Medical · FMT18M

Power	Detector type	Pixel size
32/40/50/65/80/100 kW	a-Si / CsI	99 μm / 139 μm / 148 μm

Highlights

- Tube lock control for 180 degree column rotation
- 10.4-inch tube mounted touch-screen console for generator control, detector selection, SID and tube angle display
- Ergonomic tube handle with all-lock release optical sensor
- Elevating table with 6-way float, tabletop mounted controls with 363 kg patient weight limit
- Slender design wall stand with ergonomic handle and electro-magnetic locks
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel Detector options:
- E14Cw2: 35x43 cm (14x17 in) Wire-



- less Glass-free Cesium, IP67 rating
- E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
- E17C: 43x43 cm (17x17 in) Fixed Cesium
- E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating
- LLI: 43x107 cm (17x42 in) Wireless Cesium


DR

Del Medical · FMT18T

Power	Detector type	Pixel size
32/40/50/65/80/100 kW	a-Si / CsI	99 / 139 / 148 μm

Highlights

- Easily positioned floor mounted tube stand for efficient workflow
- Vertical tracking to table and wall stand
- 10.4-inch tube mounted touchscreen console for generator control, detector selection, SID and tube angle display
- Ergonomic tube handle with all-lock release optical sensor
- Elevating table with four-way float, table-top mounted controls and 363 kg patient weight limit
- Slender design wall stand with ergonomic handle and electro-magnetic locks
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel Detector options:
- E14Cw2: 35x43 cm (14x17 in) Wire-



- less Glass-free Cesium, IP67 rating
- E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
- E17C: 43x43 cm (17x17 in) Fixed Cesium
- E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating
- LLI: 43x107 cm (17x42 in) Wireless Cesium

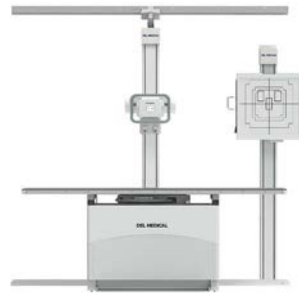
DR

Del Medical · FWFC

Power	Detector type	Pixel size
32/40/50/65/80 kW	a-Si / CsI	99 / 139 / 148 μm

Highlights

- Affordable and flexible imaging solution for medical imaging centers and urgent care facilities
- Digital display of SID and tube angle
- Easy installation - floor to wall or floor to ceiling tube tracks
- Pressure activated 180° column rotation
- High quality table with four-way floating tabletop and 318 kg patient weight limit
- Space efficient wall stand for wireless detectors with 148 cm of vertical travel
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel Detector options:
- E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating
- E17Cw2: 43x43 cm (17x17 in) Wire-



- less Glass-free Cesium, IP67 rating
- E17C: 43x43 (17x17 in) Fixed Cesium
- E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating
- LLI: 43x107 cm (17x42 in) Wireless Cesium


DR

Del Medical · OTC18M

Power	Detector type	Pixel size
32/40/50/65/80/100 kW	a-Si / CsI	99 μm / 139 μm / 148 μm

Highlights

- Ceiling mounted tube crane with easy and precise manual positioning
- 10.4-inch tube mounted touchscreen console for generator control, detector selection, SID and tube angle display
- Five-tier telescoping column with 180 cm reach for head-to-toe imaging
- Ergonomic tube handle with all-lock release optical sensor
- 6-way patient table with 363 kg weight limit
- Ergonomic wallstand with full receptor movement to the floor and patient handgrips with tilting option
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel Detector options:
- E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating



- E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
- E17C: 43x43 cm (17x17 in) Fixed Cesium
- E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating
- LLI: 43x107 cm (17x42 in) Wireless Cesium


DR

Del Medical · OTC18S

Power	Detector type	Pixel size
40/50/65/80/100 kW	a-Si / CsI	99 μm / 148 μm

Highlights

- Ceiling mounted tube crane with automated tube rotation for motorized stitching functionality
- Elevating table with six-way float, motorized auto-tracking receptor, and 363 kg patient weight limit
- Tilting wall stand featuring auto-tracking receptor with full movement to the floor and patient handgrips
- 10.4-inch tube mounted touchscreen interface for system control and stitching set up
- Fixed and rotating detector trays with in-tray charging capability
- Available with Mobile Positioning and Stitching Stand
- Flat-panel Detector options:
- E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating
- E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
- E17C: 43x43 cm (17x17 in) Fixed Cesium
- E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating



DR

Del Medical · OTC18T

Power	Detector type	Pixel size
32 / 40 / 50 / 65 / 80 / 100 kW	a-Si / Csl	99 μm / 139 μm / 148 μm

Highlights

- Ceiling mounted tube crane with lightweight and precise manual positioning
- Vertical tracking to table and wall stand
- Ergonomic tube handle with all-lock release optical sensor
- 10.4-inch tube mounted touchscreen console for generator control, detector selection, SID and tube angle display
- 6-way patient table with 363 kg patient weight limit
- Tilting wallstand with full receptor movement to the floor and patient handgrips
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel Detector options:
 - E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating
 - E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
 - E17C: 43x43 cm (17x17 in) Fixed Glass-free Cesium, IP67 rating
 - E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating
 - LLI: 43x107 cm (17x42 in) Wireless Cesium in Gadox or Cesium




DR

Del Medical · Straight Arm

Power	Detector type	Pixel size
32 / 40 / 50 / 65 / 80 kW	a-Si / Csl	99 / 148 μm

Highlights

- Economical and space-efficient X-ray system perfect for Ambulatory Clinics, Imaging Centers or Urgent Care facilities
- Efficient isocentered design keeping the detector and x-ray beam in constant alignment
- Flexible movement with extensive range of arm and image receptor rotation
- Motorized variable SID adjustment of 100 to 200 cm
- Extensive vertical travel 42 to 163 cm
- Optional mobile patient table for recumbent exams
- Fixed height or elevating
- Fixed or 4-way float top
- Flat-panel Detector options:
 - E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating
 - E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
 - E17C: 43x43 cm (17x17 in) Fixed Glass-free Cesium



DR


Del Medical · Universal Veterinary

Detector type	Power	Panel size
a-Si / Csl	30 / 40 / 50 kW	43 × 43 cm

Highlights

Universal veterinary systems are equipped with an integrated tubestand and an anatomically programmed, high-frequency generator providing a cost-effective and time-saving solution for the veterinarian who seeks maximum capability in minimal space. Includes:

- Welded construction table with 2 or 4-Way float top and urine trap
- Integrated tube stand with variable SID travels full length of the table
- Angulating tube arm, angulation dial, and operator handle
- Electric locks
- Foot-activated exposure switch
- Available with multiple DR options



DR

DRGEM · Auto Positioning Ceiling System (GXR-SD Series)

Output Power	Scintillator / Type	Pixel size
52 / 68 / 82 kW	Csl / Glass, Glass-free	100 / 139 / 140 / 150 μm

Highlights

- Fully motorized auto-positioning
- Multiple image stitching for stand and table
- Advanced elevating table with high patient load
- Anti-collision safety sensors
- Tube head touch screen console for system, collimator, X-ray parameter and image preview
- Collimator with live streaming camera
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
- Options including AEC, carbon fiber table-top, wireless foot switch
- Precise movement controlled by DR Imaging S/W



DR

DRGEM · Compact System (GXR-ES/ECS Series)

Standard	Capacitor
20 / 25 / 32 / 40 kW	20 / 25 / 32 / 40 / 50 kW

Highlights

- System concept: Fit for your space, workflow and budget
- Compact size (Minimum floor space: 2.7x1.8 m)
- Designed for optimized workflow and smooth movements (Bucky auto tracking, wall stand counter balance)
- Intuitive movement direction indicator
- Highly customizable (Wall stand and tube stand options are available)
- Tabletop with high patient load (Optional acrylic tabletop)
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
- Detector type: Csl, 17x17" / 17x14" / 10x12", fixed/wired/wireless




DR

DRGEM · DIAMOND (U-arm Type)

Standard	Capacitor
52 / 68 / 82 kW	52 kW

Highlights

- All-in-one digital radiography system
- Fully automatic diagnostic system with motorized movement and pre-programmed data for auto-positioning
- Capacitor-assisted 52 kW generator available
- Automatic stitching function
- Touchscreen system controller
- Automated X-ray collimation and system positioning
- Mobile patient table, remote control
- Safety sensors and AEC
- AI-powered diagnostic assistance, Bone Suppression, Scatter reduction (S/W Grid)
- Detector type: 17x17", wired/wireless, fixed/removable



DR

DRGEM · DR System for Chest & Chiropractic / Mobile Van Imaging

Standard 32/40/52/68/82 kW	Capacitor 32/40/52 kW	
--------------------------------------	---------------------------------	--

- Highlights**
- Reliable solution for chest radiography, chiropractic, and mobile van imaging
 - Fast and user-friendly operation
 - Protection against tube overload and housing overheating
 - Real-time monitoring and self-diagnosis
 - Automated calibration for long-term stability
 - Detector type: Csl, 17×17"/ 17×14", fixed/wired/wireless



DR

DRGEM · Floor Mounted System (GXR-SD Series)

Standard 32/40/52/68/82 kW	Capacitor 32/40/52 kW	UPS 32/40 kW
--------------------------------------	---------------------------------	------------------------

- Highlights**
- Newly designed premium floor mounted system
 - Motorized auto stitching by source tilting
 - Highly customizable digital diagnostic radiography system
 - Auto-synchronization and auto-Bucky tracking function
 - Tube head touch screen console for system, collimator, X-ray parameter and image preview
 - Option including AEC, carbon table-top, dual speed rotor and premium upgrade
 - Advanced elevating table for convenient patient access and positioning
 - AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
 - Detector type: Csl, 17×17"/ 17×14"/ 10×12", fixed/wired/wireless



DR

DRGEM · GXR-ES/ECS PLUS

Standard 40 kW	Capacitor 40/50 kW	
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- Highlights**
- System concept: Space-saving, competitively priced, and high-quality
 - Effective room layout (Minimum floor space: 3.9×2.6m)
 - Budget-friendly solution with AcquiDR integration
 - Capacitor-assisted up to 50kW
 - Intuitive generator control console for seamless operation
 - User-programmable APR with pre-configured data for enhanced versatility
 - Effortless upgrade to a DR system ensuring a future-proof investment
 - AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
 - Detector type: Csl, 17×17"/ 17×14"/ 10×12", fixed/wired/wireless



DR

DRGEM · Premium Ceiling System (GXR-SD Series)

Standard 32/40/52/68/82 kW	Capacitor 32/40/52 kW	UPS 32/40 kW
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- Highlights**
- Highly customizable DR ceiling system
 - Automatic Stitching function with source tilting method
 - Auto-synchronization and auto-Bucky tracking function
 - Intuitive direction movement indicator and user-friendly interface
 - Elevating and floating table with high patient load
 - Built-in charging for wireless detector
 - Options including AEC, carbon table-top, dual speed rotor
 - AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
 - Detector type: Csl, 17×17"/ 17×14"/ 10×12", fixed/wired/wireless



DR

DRGEM · Veterinary Compact System (VXR-E/EC Series)

Standard 20/25/32/40 kW	Capacitor 20/25/32/40 kW	
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- Highlights**
- Compact & powerful veterinary X-ray system
 - Space-saving hardware designed for optimized clinic setup
 - Advanced imaging S/W for precise and efficient diagnostics
 - Specialized veterinary measurement tools – VHS, Norberg-Olsson Angle, MMP, TTA, TPLO
 - Optional capacitor generator
 - Intuitive touchscreen control console and monitor for user-friendly operation
 - Multiple table size options to accommodate diverse clinical needs
 - Easy-to-clean design with moving casters and urine trap
 - Animal positioning guide
 - Convenient maintenance
 - Detector type: Csl, 17×17"/ 17×14", fixed/wired/wireless



DR

Examion · X-DRS Ceiling Flow

Power 50/65/80 kW	Detector type a-Si/Csl	Pixel size 100 – 150 μm
-----------------------------	----------------------------------	-----------------------------------

- Highlights**
- The ceiling-guided X-ray system from EXAMION is ideal for large numbers of patients and at the same time guarantees maximum ease of use for the operator in the clinic.
- Detector size: 10 × 12" – 17 × 17"
 - High quality images
 - Extensive auto-positioning functions
 - Ceiling stand motorized in X-, Y- and Z-axis. Motorized tube rotation.
 - Streamline workflow
 - 12" TFT Tubehead display
 - For up to four detectors
 - Option: Stitching at the table and at the wall stand



DR

Examion · X-DRS Ceiling Standard

Power 55 / 65 / 80 kW	Detector type a-Si / Csl	Pixel size 100 – 150 µm
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Highlights

The Examion ceiling-suspended X-ray system meet all hospital's requirements.

- Detector size: 10 × 12" – 17 × 17"
- High quality images
- Well proven system
- Automatic tracking functions
- Ceiling stand motorized in the Z-axis.
- Low maintenance effort
- Affordable price
- For up to four detectors
- Option: Stitching at the wall stand



DR

Examion · X-DRS Floor Basic

Power 50 / 65 / 80 kW	Detector type a-Si / Csl	Pixel size 100 – 150 µm
---------------------------------	------------------------------------	-----------------------------------

Highlights

The floor mounted systems can be optimally adapted to the needs of the customer:

- Detector size: 10 × 12" – 17 × 17"
- High image quality
- Mechanical synchronization of table bucky and tube
- Low maintenance effort
- Affordable price



DR

Examion · X-DRS Floor Standard E

Power 50 / 65 / 80 kW	Detector type a-Si / Csl	Pixel size 100 – 150 µm
---------------------------------	------------------------------------	-----------------------------------

Highlights

The X-DRS Floor Standard E is especially suitable for use in large medical practices, healthcare centres and small hospitals.

- Detector size: 10 × 12" – 17 × 17"
- Elevating table
- Modern design
- Bucky tray on the table and on the wall stand are electromotively synchronised with the X-ray tube
- Intuitive handling via the Examion X-AQS control console
- Option: Stitching at the wall stand



DR

Examion · X-DRS Floor Z-Arm or U-Arm

Power 50 / 65 / 80 kW	Detector type a-Si / Csl	Pixel size 100 – 150 µm
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Highlights

The U-Arm and Z-Arm systems are compact and space-saving X-ray machines.

- Detector size: 17×17"
- Motorized movements
- Ideal for small rooms and low ceilings
- Easy positioning due to direct coupling of detector and tube
- Low maintenance effort
- Affordable price



DR

GMM Group · Calypso - Multifunctional DR system

Power 50 – 80 kW	Detector type a-Si	Pixel size 139 – 148 µm
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Highlights

- Flexible and configurable DR ceiling system
- Auto-positioning and auto-tracking functions to enable preset system positions
- Stitching function for long skeletal segments reconstruction, both in vertical and horizontal direction
- Friendly interface and fast workflow with the innovative GMM Imaging System
- Low delivered dose, further reduced while operating in direct contact with the detector



DR

GMM Group · Calypso F – Multifunctional DR system

Power 50 – 80 kW	Detector type a-Si	Pixel size 139 – 148 µm
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Highlights


- Advanced DR system with a full range of floor-based configurations
- Touchscreen to control system movements and functions
- Reduced footprint for the smallest and low ceiling height rooms #
- Perfect synchronization between detector and X-ray tube movements, also for stitching procedures
- Advanced GMM Imaging System for high image quality
- Suited to paediatric needs thanks to dose reduction



DR

GMM Group · Kalos – Powered by Canon DR

Power 65 / 80 kW	Detector type Csl	Pixel size 125 µm
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Highlights
Next generation high end DR solution for all radiographic applications

- Optimized for high volume patient throughput
- Widely larger tabletop and 4-ways movable bucky to avoid patient re-positioning
- More than 350 different preset automatic positions
- Smart auto tracking, available also for lateral projections with the table
- Automatic full spine and lower extremities reconstruction
- Patented autofocusing anti-scatter grid
- Integrated with Canon detectors and CXDI-NE software
- Scatter Correction & Advanced Edge Enhancement
- Intelligent Noise Reduction (iNR)
- Built-in AEC for direct chest exam on bedridden patients

DR

Intermedical · Lucerna DR 65 - Multifunctional DR System

Power 50/65/80 kW	Detector type 17 x 17" – 14 x 13"	Pixel size 140 µm
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Highlights

- Full Manual and motorized movements
- Auto tracking and auto positioning
- Single or double FPD
- Tilting wall bucky
- Floating elevating tabletop
- Easy to preset the examination and control the wide range tabletop movements through the touch screen panels
- Intuitive user interface with unlimited preset APR
- Detector wireless solutions

DR

NRT · Adora DRi – Powered by Canon DR

Power 65 kW	Detector type Csl	Pixel size 125 µm
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Highlights
Next generation high-end DR solution for all radiographic applications

- Intelligent workflows for high volume patient throughput
- APR auto-positioning with up to 999 positions
- Lateral examinations without repositioning of the patient
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- State-of-the-art ergonomics
- Table: Motorized, carbon fiber, floating top with 340° rotation

DR

Siemens Healthineers · Multitom Rax

Power 65 / 80 kW	Detector type a-Si / Csl	Pixel size 148 µm
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Highlights

- The world's first Twin Robotic X-ray scanner
- Set new standards in advanced musculoskeletal and trauma imaging
- Optional with Real3D and True2scale Body Scan
- Precise insights through unique automation
- Efficient workflows around your patients
- Comprehensive diagnoses with multiple procedures
- Detector size:
 - 43 x 43 cm (RAX detector)
 - 35 x 43 cm (MAX wi-D)
 - 24 x 30 cm (MAX mini)

DR

Siemens Healthineers · Multix Impact

Power 55 / 65 / 80 kW	Detector type a-Si/Csl	Pixel size 148 µm / 139 µm
---------------------------------	----------------------------------	--------------------------------------




Highlights

- Floor-mounted radiography system
- High-end technology at an economical price
- User-assisting system intelligence for X-ray examinations
- Intuitive imaging software and positioning guide, and full-motorization with SmartMove and detector tracking functions
- Detector size:
 - 43 x 43 cm (Core XL and Core Static)
 - 35 x 43 cm (MAX wi-D)

DR

Siemens Healthineers · Multix Impact C

Power 55 / 65 / 80 kW	Detector type a-Si/Csl	Pixel size 148 µm / 139 µm
---------------------------------	----------------------------------	--------------------------------------



Highlights

- Ceiling-mounted radiography with myExam Companion
- High-end technology at an economical price
- User-assisting system intelligence for X-ray examinations
- Intuitive imaging software and positioning guide, and optional motorization and tracking functions
- Detector size: 43 x 43 cm (Core XL and Core Static detector); 35 x 43 cm (MAX wi-D)

DR

Siemens Healthineers · Multix Impact E

Power 50 kW	Detector type a-Si/CsI	Pixel size 139 µm
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Highlights

- Floor-mounted radiography system
- Easy and intuitive system handling
- Essential digital X-ray imaging to improve access to care
- Economic Total Cost of Ownership
- Choose from flexible system settings according to individual needs
- Detector size: 43 × 43 cm (Core XL)



DR

Siemens Healthineers · Ysio X.pree

Power 65 / 80 kW	Detector type a-Si / CsI	Pixel size 148 µm / 99 µm
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Highlights

- Intelligent workflow support
- High level of automation
- Personalized consistency
- Robust and lightweight detectors (X.wi-D)
- Detector sizes:
 - 43 × 43 cm (X.wi-D 43 and MAX static)
 - 35 × 43 cm (X.wi-D 35 and MAX wi-D)
 - 24 × 30 cm (X.wi-D 24 and MAX mini)



DR

Stephanix · RAD Series E+ DReam

Power Up to 80 kW	Detector type Wireless	Pixel size 100µm / 125 µm
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Highlights

- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Stitching option with dedicated configuration
- Tubehead touch screen option



DR

Stephanix · Statif DReam

Power Up to 80 kW	Detector type Wireless	Pixel size 100 µm / 125 µm
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Highlights

- Multipurpose DR solution for small budgets
- It can be dedicated to chest and extremities examinations
- Low footprint for wide range of procedures at standing, sitting or lying patient
- Manual or motorized (SID and vertical movement)
- User-friendly interface
- Table: Optional carbon or elevating tabletop, on wheels



DR

Stephanix · Statif Pro DReam

Power Up to 80 kW	Detector type Wireless	Pixel size 100 µm / 125 µm
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Highlights

- Low footprint for wide range of procedures at standing, sitting or lying patient
- C-arm shaped for cross exams
- Autopositioning regarding each protocol
- Automatic and virtual collimation, additional filtration
- User-friendly interface
- Wireless IR remote
- Automatic positioning, collimation, filtration, parameters
- Table: Optional carbon or elevating tabletop, on wheels



DR

Stephanix · Xtreme DReam

Power Up to 80 kW	Detector type Wireless	Pixel size 100µm / 125 µm
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Highlights


- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR



DR

Stephanix · Xtreme Premium

Power Up to 80 kW	Detector type Wireless	Pixel size 100µm / 125 µm
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Highlights

- Autopositioning
- Motorised suspension in all axes (longitudinal, transverse, vertical, rotary)
- Fixed or tilting wall Bucky
- Elevating floating tabletop for patient weight up to 350 kg
- Intuitive user interface with unlimited preset APR
- Based on sensitive technology for effortless handling


DR

Villa Sistemi Medicali · Armonicus

Power 50 / 65 / 80 kW	Detector type a-Si / CsI	Pixel size 143 µm
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Highlights

- Compact and flexible U-arm design for extended use, including general radiographic, emergency and orthopedic studies
- Configurable with integrated or wireless FPD and either with manual or automatic collimator
- Available a wide choice of X-ray tubes and generators
- 10" touch Screen control panel and infrared remote control as standard
- Simplified user interface, with single movement functional push buttons
- A wide range of available and pre-programmable system's positions
- Operating with 2 grids, with dedicated grid parking



- Complete range of examinations allowed, including stitching procedure

DR

Villa Sistemi Medicali · Moviplan iC with ceiling suspension

Power 50 / 65 / 80 kW	Detector type a-Si / CsI	Pixel size 100 µm / 143 µm
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Highlights

- High-end solution allowing great application flexibility and high production capacity
- Touch Screen interface integrated on tube-head
- Tilting chest stand with special horizontal positioning for exams on mobile stretchers
- Rapid and precise system positioning thanks to full auto-tracking and autopositioning
- Available with stitching and dual energy functions
- Detector size: 35 x 43 cm / 43 x 43 cm




DR

Villa Sistemi Medicali · Moviplan iC with floor-mounted column

Power 50 / 65 / 80 kW	Detector type a-Si / CsI	Pixel size 100 µm / 143 µm
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Highlights

- Innovative design with no unsightly cables
- Anti-collision system and reduced thickness rails
- Table commands with distinctive "light barrier"
- Touch Screen interface integrated on tube-head for immediate inputs
- No patient limitation thanks to high weight capacity
- Electronic tomography with free selection of angle
- Available with stitching, auto-positioning, dual energy functions
- Detector size: 35 x 43 cm / 43 x 43 cm



Bucky


Examion · X-R Floor Z/U-Arm

Power 50 / 65 / 80 kW	Table Different types available	Table height 59,5 – 86,5 cm
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Highlights

The U-Arm and Z-Arm systems are compact and space-saving X-ray machines.

- Ideal for small rooms and low ceilings
- Easy positioning due to direct coupling of detector and tube
- Low maintenance effort
- Affordable price
- Motorized movements




Bucky

Stephanix · RAD Series

Power Up to 80 kW	Table Floating	Table height fixed or variable
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Highlights

- Designed to correspond with your application and budgetary considerations
- Multi-functional and digital-ready
- Ergonomically shaped with floating table for easy positioning
- Small space requirement
- Wide range of general procedures
- Intuitive generator interface with anatomical programming
- Floor or ceiling tubestand
- Compact and reliable solution
- Upgradable to DR
- Touch screen option on floor tubestand only available on Digital version



Bucky

Villa Sistemi Medicali · Moviplan 800

Power 32 / 40 / 50 / 65 / 80 kW	Table Floating	Table height Fixed / adjustable
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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
- Available with standard or tilting chest stand
- Cassette Size: 13 × 18 – 35 × 43 cm

DR Detectors

Canon · CXDI-Pro Series

Size 27.4x35/35x43/43x42 cm	Detector type Csl	Pixel size 125 µm
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Highlights

- From 2.9 kg
- High quality materials
- Covers can be exchanged
- Easy to clean
- Comfortable hold and grip with 4 positions
- IP55 Dust proof and water resistant
- Preview 1 sec.



DR Detectors

Canon · CXDI-402C / 702C Wireless

Size 35 x 43 kW / 43 x 42 cm	Detector type Csl	Pixel size 125 µm
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Highlights

- Wireless flat panel detector range
- Durable and ergonomic shaped wireless detectors
 - Ergonomic detector design for easy hold, easy handle and easy position
 - Dust- and water proof (IP55)
 - Optional docking station for detector check-in, detector battery charging and image transfer
 - Equipped with last image hold for secured image transfer



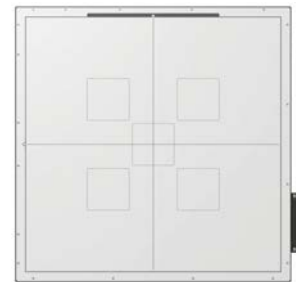
DR Detectors

Canon · CXDI-420C Fixed

Size 27.4x35/35x43/43x42 cm	Detector type Csl	Pixel size 125 µm
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Highlights

- The Compact Digital Radiology System allows for easy upgrades to your existing radiography equipment and fits easily into most universal Bucky systems. Preview 1 sec. - Standard / non synchronized gen. mode • Battery standby >10 hours • Time for ready - 3 seconds • IP57 - Water and Dust protection • Cycle time - 4 seconds • 310 kg - Surface load • 99 images - On board image storage • 125 µm - Pixel pitch • Removable Cover - Cover refurbishment possible • Weight from 2.3 kg - CXDI-720CW including battery • Intelligent Noise Reduction - INR Image quality improvement using Deep Learning Technology • Built-in AEC Assistance - Internal Automatic Exposure Control assistance



DR Detectors

Canon · CXDI-RF Wireless B1

Size 43 × 42 cm	Detector type Csl	Pixel size 160 µm
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Highlights

- True dynamic and static imaging in one detector
- Low weight 3.5 kg
 - Wired and wireless
 - Water and dustproof IP57
 - Optional scatter correction software for static and dynamic imaging
 - Maximum flexibility in a clinical setting
 - Ergonomic design for easy hold, handle and position

DR Detectors

Canon · Canon DR-Upgrade-within-2-minutes

Size 43 x 42 / 35 x 43 / 27.4 x 35 cm	Detector type Csl	Pixel size 125 µm
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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
 - Easily add DR to any X-ray system using just two lightweight components
 - Simply pick up and move to any X-ray system
 - Optional integrated USB DAP meter
 - CXDI-410C/ 710C/ 810C/ 402C/ 702C wireless flat panel detector
 - DR Upgrade within 2 minutes. Freedom within reach




DR Detectors

Del Medical · Delworks EDR

Size	43x107 / 43x43 / 35x43 / 24 x30 cm	Detector type	a-Si / Csl	Pixel size	99 / 139 / 148 μm
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Highlights

- Delworks intuitive software delivers outstanding image quality, reduced patient dose, and efficient clinical workflow
- Powerful and user-friendly retrofit DR system
- Flat-panel Detector options:
 - E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating
 - E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
 - E17C: 43x43 cm (17x17 in) Fixed Cesium
 - E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating
 - LL: 43x107 cm (17x42 in) Wireless Cesium
- Single touchscreen workstation for image display and processing and integrated generator control
- Delworks FIT mobile tablet-based workstation option for ultimate portability




DR Detectors

Del Medical · Delworks LLI

Detector type	Long Length 43x107 cm Csl	Pixel size	139 μm	–
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Highlights

- Extensive image area – 43x107 cm (17x42 in) enables full spine and long leg imaging with a single exposure
- Eliminates stitching misalignments
- Portable for upright or supine acquisition
- Choice of Mobile Positioning Holder, Mobile Vertical Holder or VS50 wall stand
- Image anywhere on the detector for any exam
- Delworks intuitive software delivers outstanding image quality, reduced patient dose, and efficient clinical workflow
- Powerful and user-friendly retrofit DR system
- Single touchscreen workstation for image display and processing and integrated generator control



DR Detectors

DRGEM · AcquiDR

Detector	43x36 / 43x43 / 25x30 cm	Scintillator / Type	Csl / Glass, Glass-free	Detector type	fixed / wired / wireless
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Highlights

- Competitive DR retrofit solutions
- Comprehensive digital imaging system, featuring a digital FPD and full-featured RADMAX imaging software
- Seamless upgrade from analog X-ray systems to a fully digital radiography system (AED)
- DICOM 3.0 compliant
- Extensive product lineup tailored to meet various clinical needs
- Glass-free, ultra-light design ensuring exceptional durability
- Industry-leading ingress protection, certified with an IP68 rating
- Rapid image transmission, internal and external batteries, and easy sharing with NFC
- Image stitching capabilities
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
- Pixel pitch: 100 / 139 / 140 / 150 μm



DR Detectors

Examion · X-DR

Size	14 x 17" / 17 x 17"	Detector type	a-Si / Csl	Pixel size	100 – 150 μm
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Highlights

Customized Retrofit solutions for stationary, mobile and portable X-ray equipment. The right detector for any application.

- Detector: 14 x 17" / 17 x 17"
- Excellent image quality
- Perfectly matched hardware and software components
- Reliable workflow



DR Detectors

Stephanix · Canon CXDI-RF Wireless B1

Size	17 x 17"	Detector type	Fixed or wireless	Pixel size	160 μm
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Highlights

- 25 years ago, Stephanix was a "digital" pioneer by installing a Flat Panel Detector in a remote-controlled table
- Stephanix remains a leader in its category by integrating WiFi portable dynamic FPD in its remote systems
- Wired and wireless, true dynamic and static imaging inside the bucky and direct projections outside the bucky, so easily with one detector
- Low weight 3.5 kg
- Water and dustproof
- Stephanix, french manufacturer and integrator, generator of talent



DR Detectors

Stephanix · Nomad DREAM

Size	14 x 17" / 17 x 17"	Detector type	Various types & brands	Pixel size	100μm / 125 μm
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Highlights

- To get easily the digital benefits in analog x-ray rooms and mobile units
- No modification or Generator connection
- Several panel brands and sizes are available
- Advanced functions: APR, post-processings
- DICOM connectivity
- Shareable solution with other Stephanix modalities



DR Detectors

Villa Sistemi Medicali · VDX Next Add-on

Detector type a-Si / CsI	Pixel size 139 µm	Size 43 x 43 cm
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Highlights

- Complete retrofit kit integrating a workstation, wireless flat panel detectors, advanced software, and optional Bluetooth DAP Kit for digitizing any analog equipment
- Lightweight design and 4-sides chamfer ensure panel's swift and quick movement
- Optional advanced applications like software grid, bone suppression, and boost lines to maximize diagnostic capabilities and dose reduction
- Optional Bluetooth® DAP kit for dose measurement and wireless data transmission to the imaging workstation without any connection with the x-ray generator
- Flat panel Detector 43 x 43 cm with CsI scintillator and a-Si TFT (also available in 35 x 43 cm format)

Flatpanel Fluoro

GMM Group · Clisis Evolution – Remote-controlled system

Power 50 – 80 kW	Detector type a-Si	Pixel size 139 – 148 µm
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Highlights

- Four-way floating tabletop with a rear accessibility
- Minimum table to floor distance for a safer patient access
- Autofocusing Grid for a wide range of focal distances
- Software algorithms (Virtual Grid and Virtual Scan) for high image quality and low dose
- Tomosynthesis, Dual Energy, Stitching and DSA for specialized examinations
- Fast and efficient workflow in a single integrated imaging system



Flatpanel Fluoro

GMM Group · Opera Sharp Evolution – Remote-controlled system

Power 50 kW – 80 kW	Detector type a-Si	Pixel size 139 – 148 µm
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Highlights

- Exclusive cross-levers system for a safe positioning of the patient
- Wide longitudinal travel and free access to the table from all four sides
- Motorized dual grid system for an automatic appropriate grid selection
- Fully-integrated solution for high image quality
- Dose reduction, removable grid and advanced software algorithms, also for paediatric patients
- Advanced procedures and long skeletal segments reconstruction

Flatpanel Fluoro

GMM Group · Opera Swing Evolution – Multifunctional system

Power 50 – 80 kW	Detector type a-Si	Pixel size 139 – 148 µm
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Highlights

- Revolutionary RF system with 13 degrees of freedom
- Cantilevered adjustable height table to improve system accessibility
- Execution of exams in direct contact with the unconstrained detector
- Easy execution of lateral and oblique projections
- Autofocusing Grid solution for the best focalization
- Intuitive interface, fast workflow and high image quality in any standard and advanced procedure
- Fully-integrated solution for high image quality



Flatpanel Fluoro

Intermedical · Lucerna RF TILT - Dynamic Remote Controlled

Power 50/65/80 kW	Detector type Dynamic 17x17"	Pixel size 140 µm
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Highlights

- Remote controlled table +90° and -15° tilting
- Unmatched patient coverage
- Patient weight up to 200 kg
- SID: 1.15m~1.8m
- Rotation Angle of Foot Pedal: 360°
- Auto positioning regarding each protocol
- Motorized: Automatic positioning, collimation, filtration
- Smart access for secure patient transfer
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA



- Auto-Stitching Function
- One-click in Place Function: Standing Position or Lying Position

Flatpanel Fluoro

Intermedical · Lucerna U Arm 3D – Whole Body 3D Scanning

Power 50 kW	Detector type Dynamic 17 x 17"	Pixel size 140 µm
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Highlights

The Lucerna U Arm 3D system is the unic solution for multipurpose 3D X Ray acquisition

- Easy to use and friendly interface
- Full motorized movements
- Dynamic Flat Panel detector 43 x 43
- Automatic positioning (APR)
- Workstation Image Station offers full functionality for interrelated workflow
- One key position system on the remote-control unit helps to operate the movement conveniently



Flatpanel Fluoro

NRT · Adora DRFi – Powered by Canon DR

Power	Detector type	Pixel size
80 kW	CsI	160 μm

Highlights

Next generation high-end hybrid solution for all radiographic applications

- Efficient examination cycles and increased patient comfort
- Combines radiography, low dose fluoroscopy and serial imaging
- APR auto-positioning with up to 999 positions
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- Configurable controls to meet clinical requirements
- Table: Motorized, carbon fiber, floating top with 340° rotation



Flatpanel Fluoro

NRT · Celex – Powered by Canon DR

Power	Detector type	Pixel size
80 kW	CsI	160 μm

Highlights

Next generation multi-purpose tilt C-arm solution

- Hybrid offering fluoroscopic, serial and radiographic imaging
- Table load capacity of 300 kg; best in class SID of 150 cm
- Intuitive controls, focus on ergonomics and patient comfort
- Save and restore any position – permanently or on the fly
- Detachable table option for maximum examination flexibility
- Small foot print and maximum work areas for staff
- Table: Left or right side suspended; detachable table option



Flatpanel Fluoro

Siemens Healthineers · Luminos Agile Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 μm

Highlights

- Stronger synergies – with a true 2-in-1 solution
- Sharper imaging – for fast, confident diagnosis with a large 43 × 43 cm MAX dynamic detector
- Safer use – to protect patients and technologists
- Detector sizes:
 - 43 × 43 cm (MAX static detector)
 - 35 × 43 cm (MAX wi-D)
 - 24 × 30 cm (MAX mini)

Ysio Max options:

- Fully integrated ceiling-suspended tube with bucky tracking
- MAX wi-D and MAX mini detectors
- SmartOrtho: long leg and full spine imaging



Flatpanel Fluoro

Siemens Healthineers · LUMINOS Impulse

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 μm

Highlights

- Trust your results – excellent image quality and low radiation dose
- Optimize your capabilities – high-value all around through clinical versatility
- World-class service and support – for continuous operations
- High level of cybersecurity
- Detector sizes:
 - 43 × 43 cm (MAX dynamic detector)
 - 35 × 43 cm (MAX wi-D)



Flatpanel Fluoro

Siemens Healthineers · LUMINOS Lotus Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 μm

Highlights

- Flow in system operation thanks to seamless integration of all components
- Flow in clinical versatility with a wide range of examinations and diverse patient types
- Flow in dose management thanks to pre-defined organ programs, proven dose-saving CARE focus and image processing
- High level of cybersecurity
- Detector sizes:
 - 43 × 43 cm (MAX dynamic detector)
 - 43 × 43 cm (MAX static detector)
 - 35 × 43 cm (MAX wi-D)
 - 24 × 30 cm (MAX mini)



Flatpanel Fluoro

Siemens Healthineers · LUMINOS Q.namix R

Power	Detector type	Pixel size
65 / 80 kW	Dynamic detector: a-Si with CsI	148 μm

Highlights

- Expand clinical capabilities with a next-generation imaging system capable of fluoroscopy and radiography
- Achieve excellent imaging results at low dose thanks to streamlined workflows and the latest technology
- Optimize system utilization regardless of operator skill level
- Simplify and standardize daily imaging tasks with built-in workflow guidance powered by AI and user-assisting system intelligence enabled by myExam 3D Camera
- Elevate diagnostic accuracy for radiography exams with high-resolution X.wi-D detectors available in three sizes



Flatpanel Fluoro

Siemens Healthineers · LUMINOS Q.namix T

Power 65 / 80 kW	Detector type Dynamic detector: a-Si with CsI	Pixel size 148 µm
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Highlights

- Transform imaging tasks thanks to a radically simplified user interface, intuitive touch controls, and built-in automations
- Simplify routine and specialized exams for operators of any skill level using holistic workflow guidance and AI support
- Boost tableside imaging with touch controls for easy access of all imaging parameters, improved ergonomics with OptiGrip, automatic detector parking, and large touch monitors
- Elevate diagnostic accuracy for radiography exams with high-resolution X.wi-D detectors available in three sizes



Flatpanel Fluoro

Siemens Healthineers · Multitom Rax

Power 65 / 80 kW	Detector type a-Si / CsI	Pixel size 148 µm
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Highlights

- The world's first Twin Robotic X-ray scanner
- Set new standards in advanced musculoskeletal and trauma imaging
- Optional with Real3D and True2scale Body Scan
- Precise insights through unique automation
- Efficient workflows around your patients
- Comprehensive diagnoses with multiple procedures
- Detector size:
 - 43 × 43 cm (RAX detector)
 - 35 × 43 cm (MAX wi-D)
 - 24 × 30 cm (MAX mini)



Flatpanel Fluoro

Stephanix · D²RS

Power Up to 80 kW	Detector type a-Si / CsI	Pixel size 148 µm / 160 µm
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Highlights

- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera...
- Intuitive user interface
- Wireless IR remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Second tubestand and additional detectors
- Motorized: Automatic positioning, collimation, filtration, parameters



Flatpanel Fluoro

Stephanix · D²RS 90/90

Power Up to 80 kW	Detector type a-Si / CsI	Pixel size 148 µm / 160 µm
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Highlights

- +90° and -90° tilting
- Unmatched variable height from 38 to 148 cm
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Motorized: Automatic positioning, collimation, filtration, parameters
- Smart access for secure patient transfer
- Intuitive user interface
- Wireless IR remote
- Secondary console
- DSA Stitching
- Tomosynthesis
- Dose optimization with virtual collimation, additional filtration, video camera...



Flatpanel Fluoro

Stephanix · D²RS 90/90 – Powered by Canon DR

Power Up to 80 kW	Detector type a-Si / CsI	Pixel size 160 µm
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Highlights

- +90° and -90° tilting
- Unmatched variable height from 38 to 148 cm
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Motorized: Automatic positioning, collimation, filtration, parameters
- Smart access for secure patient transfer
- Intuitive user interface
- Wireless IR remote
- Secondary console
- DSA / stitching / tomosynthesis
- Dose optimization with virtual collimation, additional filtration, video camera ...
- Multipurpose solution with one unique detector; static & dynamic exams inside the table and direct projections out of table

Flatpanel Fluoro

Stephanix · D²RS – Powered by Canon DR

Power Up to 80 kW	Detector type CsI	Pixel size 160 µm
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Highlights

- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera ...
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA / stitching / tomosynthesis
- Second tubestand and additional detectors
- Motorized: Automatic positioning, collimation, filtration, parameters
- Multipurpose solution with one unique detector; static & dynamic exams inside the table and direct projections out of table

Flatpanel Fluoro

Villa Sistemi Medicali · Apollo DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	148 µm

**Highlights**

- Premium digital remote controlled system for full clinical coverage in R/F applications
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options
- Detector size: 43 x 43 cm

Flatpanel Fluoro

Villa Sistemi Medicali · Apollo EZ DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	148 µm

**Highlights**

- Compact and cost-effective digital system for all the needs of radiographic and R/F imaging
- New tomosynthesis function
- Touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options
- Detector size: 43 x 43 cm



new
chronos
leading-edge R/F system

superior performance – operational flexibility
REDEFINED

Flatpanel Fluoro

Villa Sistemi Medicali · Apollo Open DRF 4.0

Power 65 – 80 kW	Detector type a-Si / Csl	Pixel size 148 µm
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Highlights

- Premium digital remote controlled system with OPEN tabletop, allowing 4-side access to the patient
- New tomosynthesis function
- Touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options
- Detector size: 43 x 43 cm

Flatpanel Fluoro

Villa Sistemi Medicali · Chronos

Power 65 – 80 kW	Detector type a-Si / Csl	Pixel size 140 µm
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Highlights

- Multifunctional R/F system with broad diagnostic capabilities, precise positioning, and versatile movements for accurate imaging
- Compact design with tilting movement ensures space optimization and easy installation
- Available in 2-way or 4-way tabletop versions
- SID: 115–200 cm for precise chest imaging
- Tabletop (250x81 cm) accommodates large patients reaching the minimum height of 42 cm
- Exposing the X-ray tube and flat panel detector enables direct and lateral exams
- AI-enhanced 3D camera collimator recognizes body type, anatomical part, and positioning

Fluoroscopy

GMM Group · Opera Revolution – Remote-controlled system



Highlights

- Excellent patient accessibility thanks to the low distance from the floor
- Touch screen display on the collimator for the control of the movements of the table
- High weight capacity for examinations for obese patients
- Motorized dual grid system for the automatic selection of the most appropriate grid
- Dose reduction, intuitive gesture and post-processing functions to improve diagnostic exams
- Stitching and advanced imaging procedures (DSA, Dual Energy and Tomosynthesis)

Fluoroscopy

Villa Sistemi Medicali · Apollo 4.0

Power 50 / 65 / 80 kW	II format 9" / 12" / 16"	CCD-matrix 1 k x 1 k
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Highlights

- Premium remote controlled system for full clinical coverage in R/F applications
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

Fluoroscopy

Villa Sistemi Medicali · Apollo EZ 4.0

Power 50 / 65 / 80 kW	II format 9" / 12"	CCD-matrix 1 k x 1
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Highlights

- Compact and cost-effective system for all the needs of radiographic and R/F imaging
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

Mobile DR

Del Medical · MDR

Power 40 kW	Width 57.6 cm	Weight 435 kg
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Highlights

- Affordable all-in-one mobile digital radiography solution
- Compact design with fully collapsible column
- Fully integrated DELWORKS DR workstation with choice of detectors
- Effortless maneuverability, allowing navigation through tight spaces
- Motor assisted inching from the tube head
- On board detector charging
- Convenient storage for wireless detector, grids batteries, wipes, and lead apron
- Flat-panel Detector options:
 - E14Cw2: 35x43 cm (14x17 in) Wireless Glass-free Cesium, IP67 rating
 - E17Cw2: 43x43 cm (17x17 in) Wireless Glass-free Cesium, IP67 rating
 - E24Cw2: 24x30 cm Wireless Glass-free Cesium, IP67 rating


Mobile DR

DRGEM · PROMO

Output Power 40 kW	Tube Arm Articulated Type	Movement Manual
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Highlights

- Manual mobile DR system
- Push-down-and-go for easy driving
- Positioning flexibility & seamless workflow
- High-quality point-of-care imaging with a 180-degree rotating column and extended X-ray focal spot height
- Advanced 40kW capacitor generator
- Dual-focal spot X-ray tube
- Real-time image review on a large 21.5" battery-powered touchscreen monitor
- Remote control, state indicators, multi-purpose storage, built-in detector charging, and an intuitive user interface



- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
- Seamless communication with RIS & PACS

Mobile DR

DRGEM · TOPAZ

Output Power 40 kW	Column Collapsible	Movement Motorized
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Highlights

- Collapsible motorized mobile DR System
- Enhanced mobility with touch-sensitive handle
- Effortless maneuverability on inclines
- Optimized image quality with advanced RADMAX software
- Safety bumper and brake with LED Indicator
- Wide LCD 21.5" touch screen
- Storage compartment for detector and other equipment
- Wide coverage of column rotation
- Built-in detector charger
- Remote controller
- Collimator with live streaming camera



- Barcode scanner, wireless exposure hand switch
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)

Mobile DR

Examion · X-DRS Mobile Elite

Power up to 50 kW	Width 54 cm	Weight 520 kg
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Highlights

The X-DRS Mobile Elite is a battery powered and motorized X-ray system with detector that meets all the needs of the hospital.

- Compact size
- Telescopic column
- Powerful device
- 8.4" Tubehead display
- Easy moving



Mobile DR


Examion · X-R Mobile 320

Power 32 kW	Width 61.8 cm	Weight 170 kg
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Highlights

The X-R Mobile 320 is a robust basic model of an X-ray system with numerous features at an affordable price.

- Compact
- Easy maneuvering and positioning
- Rotating column (optional)



Mobile DR

GMM Group · MAC series – Mobile radiographic units

Power 32 kW	Detector type a-Si	Pixel size 139 – 148 µm
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Highlights

- Compact and ultra-lightweight mobile units
- Quick approach to bedridden/ reduced mobility patients
- High frequency generator
- Arm lock and autobrake system for a safe transportation
- Flat panel detectors for a superior image quality
- Fully-integrated interface to control exposure settings, available on a touch-screen panel PC or on a tablet, also usable as a retrofit solution
- Advanced components and image processing software for dose reduction



Mobile DR

Intermedical · Compact DR Plus

Power 32 kW	Width 57.6 cm	Weight 412 kg
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Highlights

Motorized mobile unit, battery powered, easy to handle and operate

- Telescopic arm
- Wide choice of available detectors
- Full DICOM connectivity
- 19" touchscreen user friendly interface
- Available in analogue version as well
- 40 kW version available both analogue and digital



Mobile DR

Siemens Healthineers · MOBILETT Elara Max

Power 35 kW	Width 127.8 cm (l) × 59.8 cm (w)	Weight Approx. 380 kg
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Highlights

- High-end, fully digital mobile X-ray system
- Compact system design, easy maneuverability, flexible positioning with the MAXreach arm and consistently high-quality images
- Easy-to-clean design
- Intuitive and fully digital syngo FLC workflow, excellent wireless connectivity, virtual workstation and cybersecurity package
- Detectors:
 - 35 × 43 cm (MAX wi-D)
 - 24 × 30 cm (optional MAX mini)



Mobile DR

Siemens Healthineers · MOBILETT Impact

Power Max. 32 kW	Width 123 cm (l) × 59 cm (w)	Weight Approx. 275 kg
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Highlights

- Fully digital mobile X-ray system
- Compact system design, easy maneuverability, flexible positioning and consistent high-quality images
- Wireless connectivity, uninterrupted workflow experience, intuitive and supportive user interface
- Detectors:
 - 35 × 43 cm (Core L)
 - 35 × 43 cm (optional MAX wi-D)
 - 24 × 30 cm (optional MAX mini)



Mobile DR

Stephanix · Movix 4/8 E+ DREAM

Power 4 / 8 kW	Width 78 cm	Weight 87 kg
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Highlights

- Lightweight, less than 90 kg
- Design for in /outdoor operation
- Well-suited for applications at patient bedside, traumatology, paediatrics
- Foldable system easy to store and to transport on field
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Secondary generator control console on monoblock tube head
- Up to 125 kVp



Mobile DR

Stephanix · Movix DREAMy

Power 20 / 32 / 40 / 50 kW	Width 54 cm	Weight 520 kg
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Highlights

- New ultra-compact and streamlined design
- Motorized up to 5.5 km/h
- Telescopic column and arm, offering wide range of movements for easy positioning
- X-ray tube with rotating anode up to 150 kV, up to 500 mAs
- Independent from mains, only for batteries loading
- Colour LCD touch screen 19"
- Login / identification by code
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Based on sensitive technology for effortless handling



Mobile DR

Technix · TMB 320 DR/TMB 400 DR/TMB 320/TMB 400

Power 32 kW / 40 kW	Width 57.6 cm	Weight 412 Kg / 435 Kg / 397 Kg / 420 Kg
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Highlights

- Battery-motorized system for easy maneuvering and bedside positioning
- Fixed or telescopic column for a wider view
- X-ray exposures are possible without connecting the unit to an external power supply
- Analogue and digital versions
- 19" high resolution touchscreen Panel PC
- Full DICOM connectivity
- Possibility to interface multiple detectors



Mobile DR

Technix · TMS 320 R / TMS 320 RDR

Power 32 kW	Width 70 cm	Weight 240 kg
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Highlights

- Light and maneuverable unit with small footprint
- Efficient positioning at patient's bed thanks to the rotating arm
- Available in two versions: TMS320 RDR (digital) and TMS320 R (analogue)
- Available also with fixed column (TMS320 / TMS320 DR)
- Upgradable to DR on the field
- Multiple FPD and imaging software can be interfaced
- 19" touch user interface
- Full DICOM connectivity



Mobile DR

Villa Sistemi Medicali · Visitor S30 M-DR

Power	Width	Weight
32 kW	67 cm	283 kg

Highlights

- Motorized DR mobile unit that combines high precision and versatility
- 32 kW generator and a rotating anode tube
- Lightweight structure with dimensions of 67 cm width and 120 cm length, ensuring easy navigation in constrained spaces
- Digital control panel with a 21.5" touchscreen for intuitive operation and seamless image visualization
- Motorized version, supporting up to 5 km/h speed and navigating slopes up to 12°
- Equipped with a Li-ion battery offering up to 280 Ah capacity, ensuring quick recharging within 3 hours
- Full DICOM connectivity




Mobile DR

Villa Sistemi Medicali · Visitor T30 R-DR

Power	Width	Weight
32 kW	69.5 cm	250 kg

Highlights

- Mobile DR unit
- ± 90° rotating arm for flexible positioning of the unit
- High performance X-ray generator, tube-head with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions
- Detector size: Up to 43 x 43 cm



Mobile DR

Villa Sistemi Medicali · Visitor T40 M-DR

Power	Width	Weight
40 kW	57.6 cm	435 kg

Highlights

- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Powerful 40 kW generator for high productivity and performance
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity
- Detector size: Up to 43 x 43 cm
- Also available with telescopic column



Portable DR

Examion · X-DR Portable

Size	Detector type	Pixel size
14 x 17"	a-Si / CsI	100 – 150 µm

Highlights

Portable case solutions for emergency X-ray. All functions for acquisition, diagnosis and archiving on a single mobile PC.

- Wireless digital X-ray
- Excellent image quality
- Patient administration with mini-PACS
- Radiological viewer
- Synchronization with stationary image archives
- Detector size: 14 x 17"
- Pixel size: 100 – 150 µm




Portable DR

medical ECONET · meX+ BackpackX

Highlights

- World's unique all-in-one ultra-portable battery powered X-ray system
- Ideal for mobile medical applications, particularly in remote or resource-limited settings
- AI-Based TB Detection / chest CAD software (optional)
- Including generator, DR detector and laptop
- Radiographic unit weighing only 7.2 kg
- 90 kV / 20 mA and a max output of 1.6 kW at 80kV
- 35 x 43cm DR detector provides crystal clear images (high DQE)
- Easy to carry tripod solutions for generator and DR detector



Portable DR

medical ECONET · meX+ CombiRay

Highlights

- All-In-One case for complete battery powered X-ray system
- Transport Case & Workstation Solution
- Ideal for mobile medical applications, particularly in remote or resource-limited settings
- Height-adjustable laptop stand for eye-level diagnosis
- Case on removable wheels with telescopic carrying handle for longer distances
- Radiographic unit weighing only 7.2 kg
- 90 kV / 20 mA and a max output of 1.6 kW at 80kV
- 35 x 43cm DR detector provides crystal clear images (high DQE)



Portable DR

medical ECONET · meX+ MultiRay

Highlights

- Flexible mobile cart solution incl. mounted X-ray generator, hybrid-powered DR detector, laptop with image acquisition software and DAP meter
- High quality imaging for mobile and stationary medical applications
- Lightweight aluminium-framed trolley
- Easy handling also in locations with limited space
- Power output: 5kW, 110kV/100mA
- Anatomic program with 330 memory slots
- Intuitive handling and fast image processing
- Integrated radiographic positioning guide
- Imaging size: 35 x 43cm or 43 x 43cm



Mobile X-ray

DRGEM · JADE

Output Power 4 kW	Movement Manual
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Highlights

- Portable radiography system
- Highly versatile design, suitable for a wide range of clinical applications
- Lightweight & easy-to-move
- 110–240 VAC (Free voltage) input
- 40–120 kV, 10–100 mA
- Manual collimator included
- Four-way control options: Bluetooth, control panel, external control panel, and remote control
- User-programmable APR with pre-configured data for enhanced flexibility
- Foldable two-step mobile stand with an external console for convenient use
- Vehicle loadable, self & remote diagnosis, and automated calibration



Mobile X-ray

medical ECONET · meX+ AirRay

Highlights

- Ultra lightweight, portable X-ray generator
- HYBRID – Device can be operated by internal battery or by external power supply
- Only 5,3kg for practical handling in mobile usage
- Equipped with high-performance battery (Lithium-Ion)
- Wireless charging or charging via USB-C connection
- Up to 60 exposures with only one battery charge
- 90 kV / 20 mA and max. output of 1.6 kW at 80 kV
- Exclusive remote control function by hand switch
- 10 programmable pre-set technique slots for kV and mAs



Mobile X-ray

Stephanix · Movix Series

Power

20/ 32 / 40 / 50 kW

Operation

Battery / Mains

Motorized

Yes

Highlights

- Cost effective solution
- Compactness ensures easy handling
- User-friendly interface with 498 customizable anatomical programmes
- Wide range of procedures
- X-ray tube with rotating anode
- Thin dual focal spots
- High heat capacity
- Short exposure time
- mAs Range: Up to 500 mAs
- kV Range: Up to 150 kV



Mobile X-ray

Villa Sistemi Medicali · Visitor C4

Power 4 kW	Width 67 cm	Weight 170 kg
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Highlights

- Compact mobile radiographic system designed for efficient imaging in varied clinical environments, offering ease of use and portability
- 4 kW generator with a fixed anode tube
- Available with a 10.4" touch display and industrial PC for easy selection of manual or APR exam techniques
- Extremely lightweight, with dimensions optimized for tight spaces and mobility
- Dimension of 67 cm width, 118 cm length, 152 cm height
- Optional DAP meter



Mobile X-ray

Villa Sistemi Medicali · Visitor T30C

Power 32 kW	Operation Mains	Motorized No
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Highlights

- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact and lightweight design for a high maneuverability of the unit
- High performance generator and double focal spot (0.8/ 1.3 mm) tubehead
- APR anatomic mode
- User friendly control panel
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 220 mAs



Mobile X-ray

Villa Sistemi Medicali · Visitor T30M

Power 32 kW	Operation Battery	Motorized Yes
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Highlights

- Motorized mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Compact structure and flexible positioning
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 320 mAs



Mobile X-ray

Villa Sistemi Medicali · Visitor T30R

Power 32 kW	Operation Mains	Motorized No
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Highlights

- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact design for a high maneuverability of the unit
- ± 90° arm rotation for increased flexibility of X-ray tube positioning
- sAPR anatomic mode
- User friendly control panel
- High performance generator and double focal spot (0.8/1.3 mm) tubehead
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 220 mAs




Business Intelligence

Siemens Healthineers · teamplay X-ray Dashboard

DISCLAIMER PAGE

Highlights

teamplay X-ray Dashboard* brings transparency to image rejections and EXI (Exposure Index) of your radiography examinations, helping you to increase quality of X-ray imaging and the operational efficiency of your fleet.



- Track and document your institution's rejection rate for quality control and regulatory requirements
- Conduct in-depth rejection analysis on various levels, ranging from reject reasons to clinical protocols
- Monitor under- or overexposure of X-ray images with Exposure Index (EXI) and Deviation Index (DI)

* teamplay is not commercially available in all countries. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed.


R/F digital – DR Retrofit

Del Medical · Hydra Vision

Power 65 kW / 80 kW	Detector type a-Si / 43x43 cm dynamic CsI	Pixel size 139 µm
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Highlights

- Digital fluoroscopic and radiographic real-time X-ray imaging system that allows the patient to remain stationary during delicate procedures
- The system can be used for urological, gastroenterological and gynecological treatments, planning and diagnostic procedures with a weight limit of 340 kg
- The 100% carbon fiber grid absorbs less X-rays than previous generation aluminum grids and requires a lower X-ray dose to obtain a high quality image
- One-touch monitor displays all controls, messages and alarms, freeing up space in your control room
- Foot pedals for improved control, comfort and ease



Accessories / Complementary Systems

Examion · X-Emergency



Highlights

Customized container for digital X-ray.

- U-Arm or Z-Arm design. Z-Arm allows lateral exposures on lying patients
- Low maintenance effort
- Excellent image quality
- Patient administration
- Mini-PACS or connection to central archives
- Radiological viewer
- Power: 50 kW
- System concept: Wireless or Wired
- Detector size: 14 x 17" / 17 x 17"
- Pixel size: 100 – 150 µm

Accessories / Complementary Systems

I. A. E. · C20



Highlights

- A new compact lightweight housing, specifically designed for mobile equipment.
- A low weight, less than 8.5 kg, combined with compact dimensions, 116 mm diameter and 342 mm length, allows significant reductions in the equipment supporting structures.
- A range of tube inserts up to 54 kW peak radiographic power at high rotation speed is available for this unit.

Accessories / Complementary Systems

I. A. E. · C31-RTM 72

Size 0.6 / 1.2	Power 30 kW / 75 kW	Capacity 300 kHU, 500 W
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Highlights

- Rotating anode X-ray tube unit for mobile X-ray equipment with film and digital detectors
- Lead lined aluminium body
- H.T. cable sockets: type MINI75 4 pin
- Storage and shipment temperature range -10°C / +80° C
- Optional mounting plate for tilting brackets

Accessories / Complementary Systems

I. A. E. · RTC 600



Highlights

- Rotating anode graphite X-ray tube, specifically designed for remote controlled table and digital systems
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- High anode heat storage for repeated loading
- Ground glass window for consistent HVL
- Variety of housings allows flexible systems configurations

Accessories / Complementary Systems

IMD Generators · X-ray Monobloc Power 50kW, R/F

Highlights

- Plug & Play solution composed by Monobloc and related Cabinet
- Maximum power 50kW and 150kV in Rad mode
- Rad, Pulsed and Fluoro working mode
- Rotating board 10K rpm
- Power supply 400VAC
- Ideal for Rad Room and CT

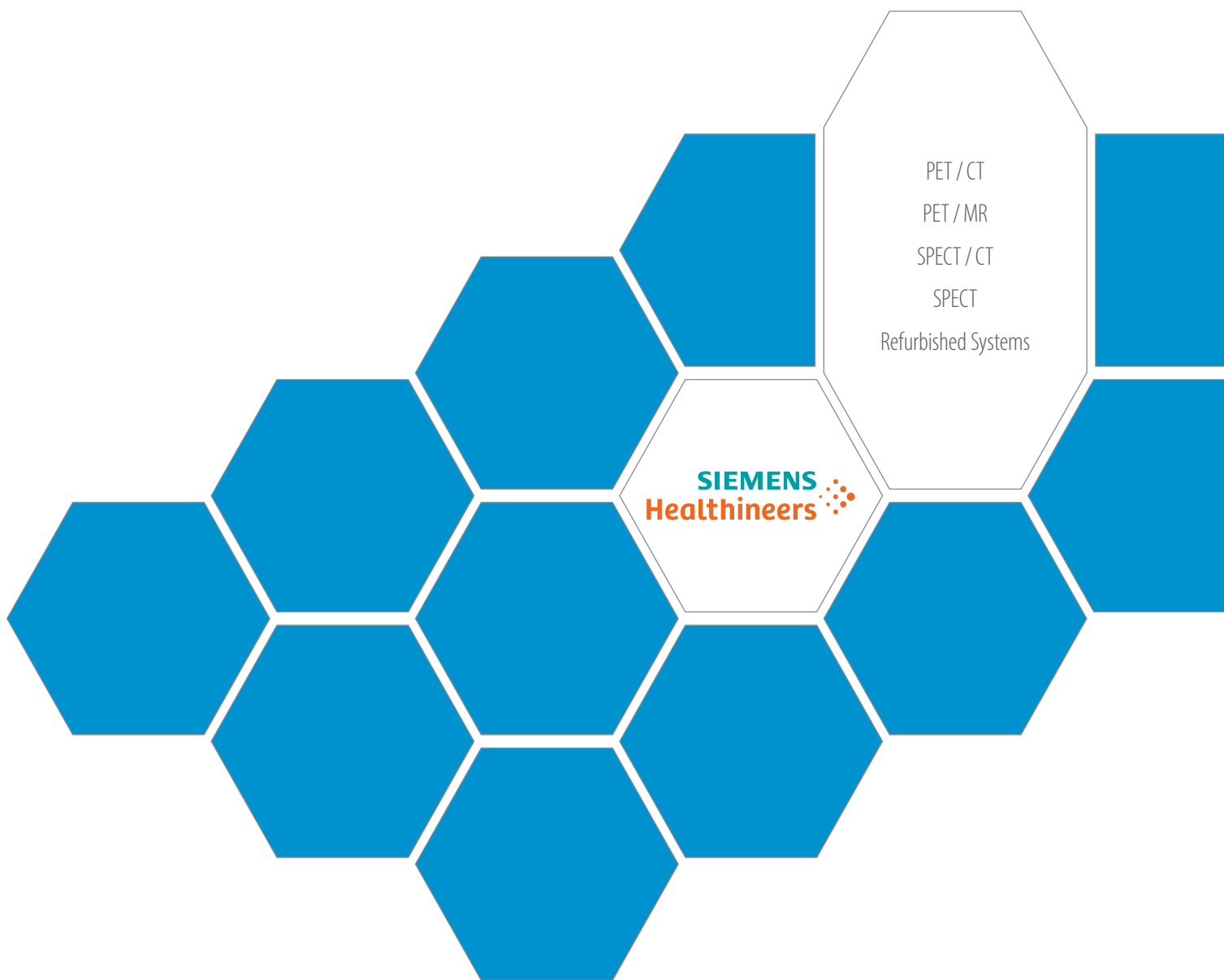


RAD BOOK 2025

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Molecular Imaging



PET/CT

Siemens Healthineers · Biograph Horizon

System sensitivity	Energy resolution (NEMA)	Field of view
–	12% FWHM	Up to 221 mm




Highlights

- Exclusive bed design with zero differential deflection between PET and CT
- Spatial resolution (NEMA): 4.2 mm
- 4 mm LSO crystals
- Time of flight
- 16- or 32-slice CT

PET/CT

Siemens Healthineers · Biograph mCT

System sensitivity	Energy resolution (NEMA)	Field of view
–	12% FWHM	Up to 221 mm



Highlights

- Exclusive bed design with zero differential deflection between PET and CT
- Gantry opening: 78 cm
- Spatial resolution (NEMA): 4.2 mm
- 4 mm LSO crystals
- Time of flight
- 40-, 64- or 128-slice CT


PET/CT

Siemens Healthineers · Biograph Trinion*

System sensitivity	Spatial resolution	Maximum patient load
Up to 128 cps/kBq	2.2 mm	272 kg (600 lb)

Highlights

- Integrates best-in-class¹ trio of PET, CT, and syngo.via software
- Compact, air-cooled design for economical installation and operation
- LSO-based digital detectors
- Ultra-fast time of flight—239 ps¹
- Scalable axial PET field of view—18 cm, 24 cm, ...²
- FlowMotion™ continuous bed motion acquisition
- Fast, low-dose CT—up to 128 slices
- Patient moodlight and camera for added comfort
- AI-powered workflows help deliver fast, consistent results



¹ Data on file.
² Scalable aFOV beyond 24 cm not yet available.

PET/CT


Siemens Healthineers · Biograph Vision Quadra*

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	106 cm (axial)

Highlights

- 4 × axial PET field of view
- 106 cm axial PET field of view
- 3.2 mm LSO crystals
- 100 percent sensor coverage
- Fast time of flight at 228 ps**
- Highest effective sensitivity of 1,000 cps/kBq***
- Designed to fit in the room size of traditional PET/CT scanners


* Biograph Vision Quadra is not commercially available in all countries. Its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.
** Compared to the Biograph Vision 600 PET/CT
*** Compared to current state-of-the-art technologies. Measured value based on phantom studies performed on a single system. Acceptance value of ≥ 803 cps / kBq. Data on file



PET/CT

Siemens Healthineers · Biograph Vision*

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	Up to 263 mm (axial)



Highlights

- Gantry Opening: 78 cm
- Volumetric Resolution: 51 mm³
- 3.2 mm LSO crystals
- Fast time of flight at 214 ps**
- High effective sensitivity at 100 cps/kBq**
- 100 percent sensor coverage


* Biograph Vision is not commercially available in all countries. Its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.
** Based on internal measurements (resolution and time of flight) for Biograph Vision 600. Data on file.

PET/CT

Siemens Healthineers · Biograph Vision.X

Highlights

Biograph Vision.X™ is a next-generation PET/CT scanner that builds on the established performance of Biograph Vision™ and delivers a time of flight (TOF) of 178 picoseconds (ps) – the industry's fastest TOF.¹ Leveraging small LSO crystals 100 percent covered by SiPMs, the scanner delivers high 48-mm³ volumetric resolution and its industry-best temporal resolution of 178 ps. 1. Fastest measured value on a single system. Based on competitive literature at time of publication. Data on file.




PET/MR

Siemens Healthineers · Biograph mMR

Gradient 45 mT / m ¹	Slewrate 200 T / m / s ¹	Channels Up to 102 × 32
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Highlights

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



¹ Maximum gradient amplitude and slewrate can be applied simultaneously.


SPECT/CT

Siemens Healthineers · Symbia Intevo

System sensitivity 202 cpm/μCi	Energy range Up to 588 keV	Field of view 533 × 387 mm
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Highlights

- Higher image resolution enables physicians to distinguish between degenerative diseases and cancer
- The first system offering accurate and reproducible SPECT quantification
- Up to 68% lower CT dose¹ with CARE Dose4D, and up to 75% lower injected dose¹ with IQ-SPECT to reduce patient radiation exposure
- Productivity tools and IQ-SPECT save time and can double patient throughput



¹ Based on competitive literature available at time of publication. Data on file.


SPECT/CT

Siemens Healthineers · Symbia Intevo Bold

System sensitivity 202 cpm/μCi	Energy range Up to 588 keV	Field of view 533 × 387 mm
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Highlights

- Iterative Metal Artifact Reduction (iMAR) reveals more detail by reducing the effects of metal artifacts in challenging exams
- Sinogram Affirmed Iterative Reconstruction (SAFIRE) reduces radiation dose while maintaining image quality
- Interleaved Volume Reconstruction (IVR) reconstructs up to 32 slices to evaluate small structures
- Dual Energy Scan improves image quality with two sequential spiral scans at different energies




SPECT/CT

Siemens Healthineers · Symbia Pro.specta*

System sensitivity 202 cpm/μCi	Energy range Up to 588 keV	Field of view 533 × 387 mm
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Highlights

- Automated SPECT motion correction for more clarity
- Streamlined design enhances user and patient experience
- Single, intuitive user interface and automated steps across the entire workflow
- Multi-purpose system with specialized tools for theranostics, cardiology, neurology, oncology imaging, and more.
- Fast, low-dose CT with up to 64 slices, Stellar detector technology, SAFIRE¹, IVR, and Tin Filter—all standard



¹The use of SAFIRE may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice.

DISCLAIMER PAGE


SPECT

Siemens Healthineers · Symbia Evo

System sensitivity 202 cpm/μCi	Energy range Up to 588 keV	Field of view 533 × 387 mm
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Highlights

- Save up to 50% more time¹ and potentially double patient throughput with automated quality control and collimator exchange, as well as ultra-fast cardiac imaging
- Image every patient² and improve comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading image quality¹ delivers accurate and reproducible clinical information to support diagnostic confidence



¹ Based on competitive literature available at time of publication. Data on file.
² Patients up to 227 kg (500 lb).


SPECT

Siemens Healthineers · Symbia Evo Excel

System sensitivity 202 cpm/μCi	Energy range Up to 588 keV	Field of view 533 × 387 mm
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Highlights

- Smallest room size in its class,¹ reducing costs associated with room remodeling and expansion
- Ability to image every patient² and improve comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading image quality¹ delivers accurate and reproducible clinical information to support diagnostic confidence



¹ Based on competitive literature available at time of publication. Data on file.
² Patients up to 227 kg (500 lb).

Refurbished Systems

Siemens Healthineers · Biograph mCT 40 eco / 64 eco

DISCLAIMER
PAGE

Highlights

Clearly going beyond

- Innovative technology for better care
- Enhanced technological and clinical efficiencies
- With intelligent imaging and the ability to accommodate all patients¹



Refurbished Systems

Siemens Healthineers · Symbia Intevo TM Bold eco

Highlights

More CT for your SPECT/CT

- Symbia Intevo Bold eco combines high-performance CT with advanced SPECT imaging to accommodate even the most challenging situations
- Flexibility to take capabilities even further with a range of unique and powerful SPECT and CT options
- More clarity for more patients
 - Dose reduction without compromise
- The right care at the right time



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DVD

DVD Import
DVD Burner



imaging & radiology solutions

DVD Import

Nexus/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



DVD Burner

Nexus/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)
- CHILL viewer in report quality
- Alternative presentation as HTML and JPEG
- Certified by OFFIS and DRG
- Works with any PACS
- External output tray



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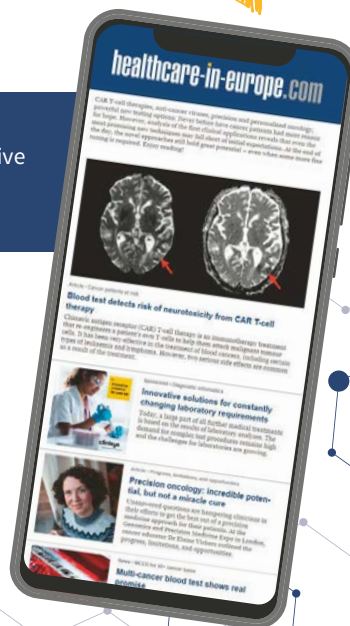
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mg^o fach verlage



Ultrasound



SIEMENS
Healthineers



Reducing over-treatment of rectal cancer

An innovative solution based on nanotechnology and ultrasound could prevent over-treatment of patients with rectal cancer. The magnetomotive ultrasound system uses nanotechnology for reliable diagnosis of any spread of rectal cancer to nearby lymph nodes.

Report: *Mark Nicholls*

The system is designed to address indications of unnecessary surgery, caused by the current lack of a definitive method to identify this spread. With high resolution imagery harnessed to offer a better assessment of rectal cancer in patients, iron oxide-based nanoparticles injected locally around the tumour are utilized as a contrast agent to enable a probe to differentiate between healthy and unhealthy tissue in the rectum.

At the Medica trade fair in Dusseldorf, Kristina Hallström outlined the benefits of the system developed by NanoEcho, a Swedish company founded by a research group at the Department of Biomedical Engineering at Lund University. In her presentation, the NanoEcho marketing director highlighted how the company has developed the diagnostic rectal cancer technology.

The focus is specifically on rectal cancer, which makes up a third of the colorectal cancer group – the second most common type of cancer after breast cancer for women and prostate cancer for men.

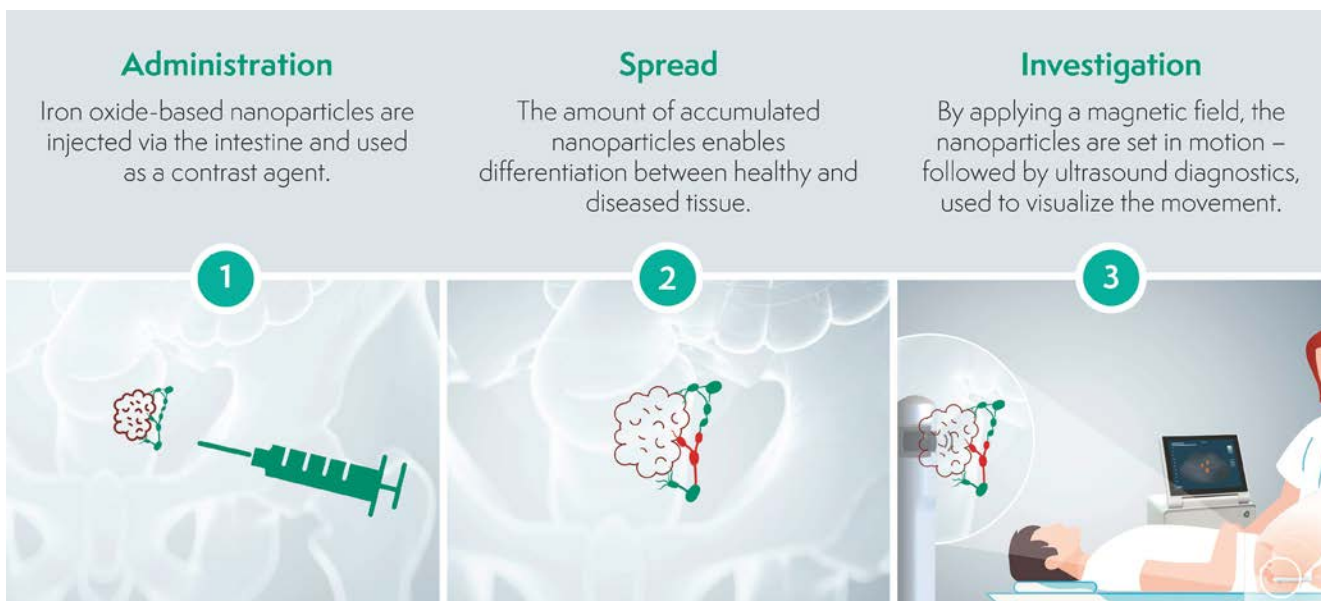
Hallström said: 'Every year, 600,000 people are diagnosed with rectal cancer globally, with that expected to increase due to ageing populations and western lifestyle.'

'Early detection and reliable diagnostics are crucial. In rectal cancer, it is important to identify whether there is a spread of cancer cells to the nearby lymph nodes, especially in the early stages.'

However, she pointed to research suggesting that many patients suffering rectal cancer are overtreated. 'To ensure all cancer cells are removed, most patients diagnosed with early rectal cancer undergo a major surgical procedure, resulting in permanent stoma,' continued Hallström. 'But research has shown that this was unnecessary in nine cases out of 10, because in those cases there was no cancer spread to nearby lymph nodes and a minor intervention would have sufficed.'

Rotating magnet makes particles move

NanoEcho's solution aims to reduce this unnecessary overtreatment by differentiating between healthy and diseased tissue. The



© NanoEcho

Administration

Iron oxide-based nanoparticles are injected via the intestine and used as a contrast agent.

Spread

The amount of accumulated nanoparticles enables differentiation between healthy and diseased tissue.

Investigation

By applying a magnetic field, the nanoparticles are set in motion – followed by ultrasound diagnostics, used to visualize the movement.

injected iron oxide-based nanoparticles it uses are super-lymphatic, are the right size to go into the lymph system, and are spread differently depending on whether the tissue is healthy or unhealthy. When a probe with an integrated rotating magnet is inserted into the rectum, applying a magnetic field, the nanoparticles start to move.

Hallström said: 'Ultrasound is used to visualise the movement of the nanoparticles on the screen in real time. The amount of accumulated nanoparticles enables differentiation between healthy and diseased tissue.'

Better diagnostics, she continued, mean the patient can receive an individually adapted, effective, and less risky treatment. 'It is especially important for patients with stage 1 or 2 rectal cancer, and this is a group that will increase due to on-going implementation of screening.'

The aim is to avoid patients undergoing major surgery and the risk of incontinence, as well as freeing up healthcare resources. 'NanoEcho addresses a growing unmet medical need to provide correct diagnosis of rectal cancer spread to nearby lymph nodes,' added Hallström.

'This ensures rectal cancer patients receive a correct diagnosis and an optimal individualized treatment, which would free-up resources, reduce costs for society and increase quality of life for the patients.'

The system developed by NanoEcho and its partners includes advanced software, an ultrasound device with an integrated magnet, with the nanoparticle developed by an external company.

While the focus is on rectal cancer diagnostics, the company believes the technology has other potential applications such as the detection of prostate cancer, the identification of plaques in blood vessels or as a tool for stem cell therapies.

The system is now under the verification and validation process with further clinical assessment scheduled for 2024 and an aim to place the product on the market in 2026.



Kristina Hallström

Kristina Hallström leads the marketing and communication efforts along with quality and regulatory affairs at NanoEcho. An experienced professional at the intersection between healthcare and business with a Master of Business Administration from Lund University and a background as a physiotherapist, she combined a focus on both clinical aspects and business development. Her career spans large international MedTech companies, as well as start-up companies with innovative products.

Ultrasound

Siemens Healthineers · ACUSON Freestyle Elite Ultrasound System

Frequency range 2 – 15 MHz	Display mode 2D	Display size 15"
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Highlights

- With cable-free technology to offer unrestricted access to practitioners at the point of care, allowing quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display may improve procedural confidence in interventional settings
- Automatically populate patient registration data between systems with Artis Patient Synchronization using Artis Access



Ultrasound

Siemens Healthineers · ACUSON Freestyle Ultrasound System

Frequency range 2 – 15 MHz	Display mode 2D	Display size 15"
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Highlights

- A Cable-free ultrasound solution ensuring unrestricted access at the point of care, for quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display helps improve procedural confidence in interventional settings
- Improved workflow with zero cable-drag and single-user operation via integrated scanning controls



Ultrasound

Siemens Healthineers · ACUSON Juniper Ultrasound System

Frequency range 1.1 – 18 MHz	Display mode 2D / 3D / 4D	Display size 13.3 / 21.5"
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Highlights

- High-performance, shared-service system for virtually every patient with one of the industry's smallest footprints
- Five active transducer ports and one CW port support 21 transducers for a wide variety of capabilities – from radiology, interventional radiology, cardiology, urology to orthopedics and OB / GYN
- High-fidelity acoustic signals greatly reduce noise and offer premium image quality with industry-leading elasticity solutions



Ultrasound

Siemens Healthineers · ACUSON Maple Ultrasound System

Frequency range 1.3 – 12.4 MHz	Display mode 2D / 3D / 4D	Display size 13.3 / 21.5"
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Highlights

- Best-in-class imaging with excellent penetration and resolution
- Designed for demanding, fast-paced environments for every patient, every day
- Shared-service capabilities to perform across multiple segments
- Advanced AI-powered measurement tools
- Small footprint and lightweight portability
- Up to 75 minutes of scanning unplugged



Ultrasound

Siemens Healthineers · ACUSON NX3 Elite Ultrasound System

Frequency range 1.3 – 16 MHz	Display mode 2D / 3D / 4D	Display size 10.4" / 21.5"
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Highlights

- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 percent fewer keystrokes and 3x more user-defined keys
- 21.5" HD display and 220° endo-cavity transducer provides expanded field of view
- 10.4" touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems



Ultrasound

Siemens Healthineers · ACUSON NX3 Ultrasound System


Frequency range 1.3 – 12 MHz	Display mode 2D / 3D / 4D	Display size 10.4" / 21.5"
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Highlights


- Powerful platform driven by efficiency and built for performance
- Intuitive user interface with up to 28 percent fewer keystrokes and 3x more user-defined keys
- 21.5" HD display provides expanded field of view
- 10.4" touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems




Ultrasound

Siemens Healthineers · ACUSON Origin Ultrasound System		
Frequency range	Display mode	Display size
1 - 21MHz	2D / 3D / 4D	24"
<p>Highlights</p> <ul style="list-style-type: none"> • Truly integrated AI with 5600+ AI-powered measurements, fueled by a database of 2 billion images across multiple modalities. • Superb image quality delivers superior clinical data acquisition in every scan. The system's advanced imaging technology provides high-resolution, clear, and detailed images, allowing for better visualization of cardiac structures and functions. • Easy user experience with intuitive operation and ergonomic design to enhance efficiency and reduce operator strain. 		
		


Ultrasound

Siemens Healthineers · ACUSON P500 Ultrasound System		
Frequency range	Display mode	Display size
1.3 – 16 MHz	2D	15.4"
<p>Highlights</p> <ul style="list-style-type: none"> • Innovative technologies that automatically detect and prevent motion artifacts, reduce noise, and simultaneously enhance color • 15" infrared touch screen improves gesturing accuracy • Increase patient throughput with mobile quick scanning and boot-up times of less than 30 seconds • The IntraCardiac Echocardiography (ICE) Edition integrates the imaging capabilities of the ACUSON AcuNav catheters providing real-time visualization of cardiac anatomy within the heart 		
		

Ultrasound

Siemens Healthineers · ACUSON Redwood Ultrasound System		
Frequency range	Display mode	Display size
1 – 18 MHz	2D / 3D / 4D	13.3 / 21.5"
<p>Highlights</p> <p>Offering detailed image quality, advanced applications and efficient workflow, ACUSON Redwood provides an ultrasound solution that is redefined.</p> <ul style="list-style-type: none"> • Detailed: See deeper and clearer with the latest InTune transducer family • Advanced: Tailored advanced applications that improve patient outcomes • Efficient: Small, portable and AI-powered measurement tools for intuitive workflow 		
		

Ultrasound

Siemens Healthineers · ACUSON Sequoia Ultrasound System		
Frequency range	Display mode	Display size
1 – 17.8 MHz	2D	24" / 13.3"
<p>Highlights</p> <ul style="list-style-type: none"> • Intelligent Imaging: Experience easier imaging across clinical specialties with powerful automation in each major mode along with a wide selection of advanced transducers. • Expanded Insights: Expand your expertise with advanced tools and AI innovations designed to improve diagnostic accuracy and patient outcomes. • User Driven Design: Embrace advanced productivity with AI powered tools and an intuitive design for the ultimate user experience. 		
		

Testing Devices



Testing Devices

IBA Dosimetry · 2-part PMMA CT-Phantom

Highlights

Phantom for measurements of the CTDI according IEC 60601-2-44, IEC 61223-3-5, and AAPM TG23.

- 1 Adult Head-Phantom, 16 cm diameter, 5 holes
- 1 Adult Body anulus, 32 cm diameter, 4 holes
- 9 Acrylic rods for filling all phantom holes



Testing Devices

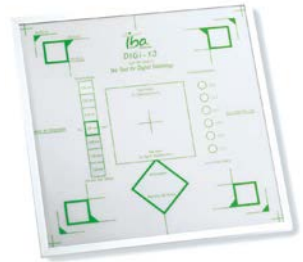
IBA Dosimetry · DIGI-13

Highlights

For quality checks at digital radiographic systems (CR/DR) according DIN 6868-13.

Test parameter:

- Uniformity
- Spatial resolution
- Alignment of light and beam field
- Image scale
- Artifacts
- Geometrical distortion



Testing Devices

IBA Dosimetry · Dosimax plus I

Highlights

Single channel dose meter according IEC 61674 for quality assurance at Radiography-, Fluoroscopy-, Dental- and Mammography systems.

Available with RQA/ RQM / DEDX.

Measurement parameter (DEDX):

- Dose: 20 µGy – 9,999 mGy
- Dose rate: 20 µGy/s – 400 mGy/s
- Time: 1 ms – 9,999 s



Testing Devices

IBA Dosimetry · DSA Test Device



Highlights

For Quality Assurance of "Digital Subtraction Angiography" (according DIN 6868-150, DIN 6868-4, DIN EN 61223-3-3)

Test parameter:

- Copper dynamic step wedge with logarithmic check
- DSA contrast sensitivity
- Artefacts

Testing Devices

IBA Dosimetry · DVT-3D

Highlights

Test of 3D image quality of "Digital Volume Tomography" (DVT) systems, according DIN 6868-150 / DIN 6868-4.

Optional Carbon adapter and tripod for easy and precise positioning without artifacts.

Spatial parameter:

- Detail resolution
- Uniformity and noise
- Laser marks for convenient positioning in iso-center



Testing Devices

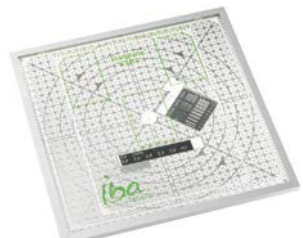
IBA Dosimetry · ETR1 incl. Centering Tube

Highlights

For quality checks of conventional radiography systems; according DIN 6868-3; including holder for chest wall stand.

Test parameter:

- Spatial resolution
- Low contrast
- Alignment of light and beam field
- Geometrical distortion
- Measuring areas for optical density



Testing Devices

IBA Dosimetry · KermaX plus DDP "Duo"

Highlights

Multifunctional duo-channel dosimeter dedicated to measure DAP, DAP rate and exposure time in patient dose monitoring.

Two Rectangular, transparent ionization chamber with integrated electronics and one separate "Dual Line Display" with two very bright LED display lines.

Measurement parameter:

- DAP rate: 0.01 $\mu\text{Gym}^2/\text{s}$ – 3,000 $\mu\text{Gym}^2/\text{s}$
- DAP resolution: 0.01 μGym^2
- Interface: 2 x RS 232 (RIS/HIS and printer)



Testing Devices

IBA Dosimetry · KermaX plus IDP

Highlights

Ideal solution for a quick and convenient retrofit installation to measure DAP and DAP rate for patient dose monitoring.

Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display.

Measurement parameter:

- DAP rate: 0.01 $\mu\text{Gym}^2/\text{s}$ – 3,000 $\mu\text{Gym}^2/\text{s}$
- DAP resolution: 0.01 μGym^2
- Interface (optional): RS232, RS485



Testing Devices

IBA Dosimetry · KermaX plus SDP

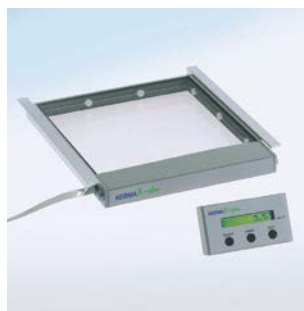
Highlights

Easy to install standard dosimeter dedicated to measure DAP and DAP rate for patient dose monitoring.

Rectangular, transparent ionization chamber and separate 10-digit background lighting LCD "Single Line Display".

Measurement parameter:

- DAP rate: 0.01 $\mu\text{Gym}^2/\text{s}$ – 3,000 $\mu\text{Gym}^2/\text{s}$
- DAP resolution: 0.01 μGym^2
- Interface: 1 x RS232 (RIS/HIS or printer)



Testing Devices

IBA Dosimetry · KermaX plus TinO IDP

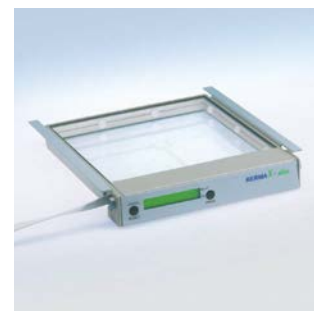
Highlights

Two in One – Dose Area Product and dose measurements in one Chamber.

Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display for easy and smart installation at collimator rails.

Measurement parameter:

- Measurement parameter:
- DAP rate: 0.01 $\mu\text{Gym}^2/\text{s}$ – 3,000 $\mu\text{Gym}^2/\text{s}$
 - DAP resolution: 0.01 μGym^2
 - Interface (optional): RS232, RS485, CAN



Testing Devices

IBA Dosimetry · MAM Accreditation FF

Highlights

This phantom is specifically designed to assess the performance of digital mammographic systems and meets the IEC 61223-3-2. It evaluates the system's capability to image small structures that are commonly found in clinical settings, such as micro-calcifications, fibrous structures in ducts, and tumor-like masses.

Technical Specifications Dimensions: 311.2 x 190.5 x 41.3 mm Simulation: Represents a 42 mm compressed breast with an average glandular/adipose composition (50%/50%).



Testing Devices

IBA Dosimetry · Mammo-14

Highlights

For quality assurance / constancy test at digital mammography systems according DIN 6868-14.

- 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
- 6 mm structural plate with recess for test inserts
- Test insert: PMMA, SDNR & High Contrast
- 3 x 20 mm / 1 x 10 mm / 1 x 4 mm PMMA attenuation plates
- 2 x 20 mm PMMA full field attenuation plate (260 x 320 mm)



Testing Devices

IBA Dosimetry · Mammo-162



Highlights

For quality assurance / acceptance test of digital Mammography Systems, according to DIN 6868-162.

- 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
- 6 mm structural plate with recess for test inserts
- Test insert: PMMA, SDNR & High Contrast
- 3 × 20 mm / 1 × 10 mm / 1 × 4 mm PMMA attenuation plates
- 1 × 20 mm PMMA full field attenuation plate (260 × 320 mm)

Testing Devices

IBA Dosimetry · Multimeter MagicMaX Universal

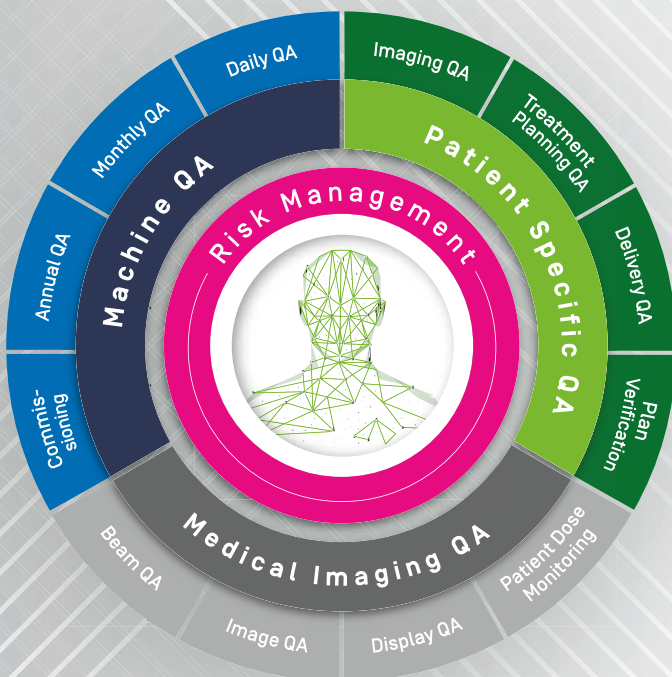
Highlights

Usable with different detectors:

- XR – Radiography/ Fluoroscopy / Dental
- XM – Mammography
- 10XF-3CT – Ionization Chamber for CT

Measurement parameter:

- Dose / dose rate – dose per pulse – kVp / PPV – time – total filtration – HVL
- – wave form – DLP; DLP rate for CT



Find your complete solution for your Quality Assurance needs in Medical Imaging and Radiation Therapy. Discover it today!

iba-dosimetry.com

Testing Devices

IBA Dosimetry · Primus FG18

Highlights

The Primus FG18 is designed to effortlessly perform precise image quality checks on fluoroscopic X-ray units, ensuring optimal resolution, alignment, and brightness adjustments.

- Diameter: 180 mm
- 18 Low-contrast Objects (8 mm in diameter) with contrast levels from 0.9 to 16.7%
- Line Pair Resolution Pattern (0.6 to 5.0 LP/mm)
- Pb and Cu squares with circular low-contrast objects for adjusting contrast & brightness



Testing Devices

IBA Dosimetry · Spot-Luminance meter LXcan

Highlights

For luminance measurements at image display devices according to DIN 6868-157, DIN V 6868-57, IEC 62563-2 and AAPM TG18.

- Distance and contact measurement
- Easy targeting with a built-in camera and display
- Ultrasound distance sensor for the optimal distance

Optional photometric detector LX-LS to measure the illuminance in combination with LXcan



Testing Devices

IBA Radcal · Accu-Gold Windows-based Systems for X-Ray QA

Highlights

- The most dynamic X-ray QA meter available
- Supports all medical X-ray modalities
- Operates with all of Radcal's ion chambers, solid state, mA and light sensors
- Includes customizable easy-to-use software
- Report generation
- Waveform analysis
- Optional WiFi capability

Accu-Gold+

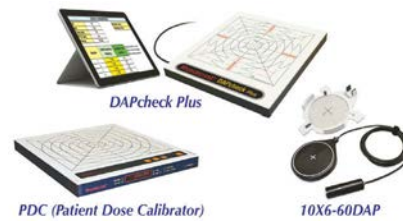
Rapid-Gold+

Accu-Dose+



Testing Devices

IBA Radcal · DAP Calibration Sensors



Highlights PDC

IBA Radcal provides Dose Area Product (DAP) calibration sensors as part of the Accu-Gold+ product family. These sensors provide quick and easy calibration of installed DAP meters by providing accurate measurements of DAP and DAP rate.

Highlights 10x60DAP

- Ideal for Dose Area Product (DAP) of Pan-Dental or CBCT-Dental
- Easy to use mounting alignment fixture
- Unit selection of Gy-m² or Gy-cm²
- Flat energy response
- Plug and Play with your existing IBA Radcal Touch or Accu-Gold system – no calibration adjustments

Testing Devices

IBA Radcal · Sensors Selections



Highlights

IBA Radcal has the most dynamic range of sensors, such as Solid State Dose and kV multi-sensors, gold standard ion chambers, mA/mAs, Luminance/Illuminance and DAP Sensors.

Testing Devices

IBA Radcal · T3 Systems for X-Ray QA

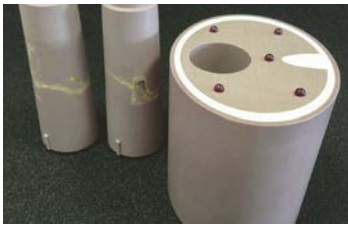


Highlights

- Use preset machine-specific profiles to accelerate the measurement process.
- Capture multiple complex measurements with only a single exposure.
- View results from multiple angles and at a distance with flip-screen display.
- Save profiles and measurement data for quick future access and reference.

Testing Devices

PTW · QRM Customized Phantoms



Highlights

- Our core competence is the development and production of customized phantoms in cooperation with our customers
- We successfully collaborate with manufacturers in medical and industrial X-ray markets as well as with scientists and physicians working on research projects and studies
- All standard phantoms can be modified according to your needs
- We also offer customized phantoms for: PET, SPECT, radiation therapy, and for other modalities
- Contact us – we provide phantoms for your needs

Testing Devices

Quart · Anthropomorphic X-Ray Phantoms

Highlights

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

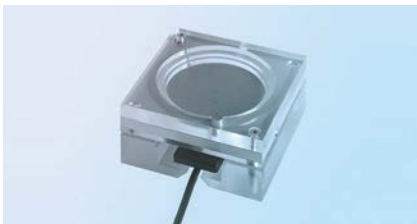
Available phantom versions

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



Testing Devices

Quart · dent/digitest Dental QA/QC Test Phantom



Highlights

- QUART dent/digitest 2D dental test phantoms are designed to assess X-ray imaging parameters according DIN and IEC QA / QC requirements.
- Features patient equivalent filtration and test objects to perform full-scale X-ray image quality analyses.
- Parameters:
 - Spatial resolution
 - High-contrast resolution
 - Low-contrast resolution
 - Homogeneity / artefacts
 - Radiation field/tube alignment

Testing Devices

Quart · didoCT Pencil Chamber Meter



Highlights

- The QUART didoCT pencil-shaped ion chamber meter is designed for easy and precise dose-width product measurements.
- The meter does not require any pre-setting procedure for direct reading of DWP, rate and time.
 - As an optional feature, the QUART didoCT can be supplied with free-in-air direct HVL measurement capability. This device feature is unique and had only been introduced by QUART in a CTDI chamber.

Testing Devices

Quart · didoEASY Diagnostic X-Ray Meters



Highlights

- The Quart didoEASY meters are designed for quick measurements of dose, dose rate and exposure time in X-ray QA / QC and service.
- didoEASY meters automatically compensate all radiation qualities in their area of application. Three meter versions are available: for R/F and dental (50 – 150 kV), for mammography (25 – 40 kV), and one for the full diagnostic range (25 – 150 kV).

Testing Devices

Quart · didoNEO R Diagnostic X-Ray Dosemeter

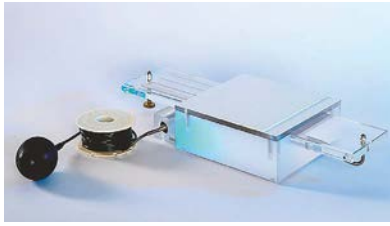
Highlights

- The Quart didoNEO introduces a new approach to diagnostic X-ray meters: it features the most compact base unit and most compact detector in the X-ray meter industry. The didoNEO R is used for QA and service in Radiography, (Pulsed) Fluoroscopy, DSA, Dental, 3D (CBCT).
- Compact multi-functional state-of-the-art solid state detector
 - Enables measurements in spots with limited space
 - Measures behind scatter radiation grids
 - Direct measurement of DLP/DWP in dental OPG



Testing Devices

Quart · DSA Test Phantom



Highlights

- The Quart DSA image quality test phantom features longitudinal sliding technique to minimise structural movement artefacts in the test image. It complies with DIN 6868-4, 6868-150 and IEC 61223-3-3.
- A special characteristic of the phantom is its realistic reproduction of the injection procedure of the contrast agent into vessels with different attenuation properties – contrary to other available products.

Testing Devices

Quart · DVT 150 CBCT IQ Test Phantom

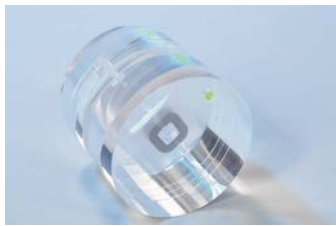


Highlights

- The QUART DVT 150 phantom is designed to meet the requirements of the German DIN 6868-150 x-ray imaging acceptance test standard.
- Handling and positioning of the phantom is easy and straight-forward. It enables quick and simple contrast resolution tests for 3D, ENT and angiography X-ray applications.

Testing Devices

Quart · DVTap Cone-Beam CT Test Phantom

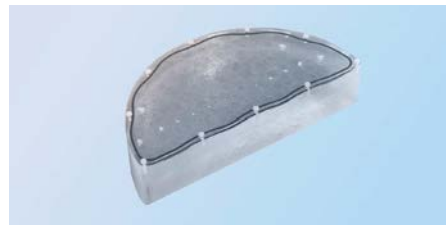


Highlights

- The QUART DVTap phantom is designed for QA / QC at cone-beam CT (CBCT), dental volume tomography (DVT) and further 3D imaging equipment.
- It is to be used in dental 3D imaging (according DIN and latest IEC requirements) as well as angiography in C-arm x-ray applications (manufacturer-specific applications).
- Based on latest research, the solution can also be utilised for standard CT IQ tests.

Testing Devices

Quart · mamTOMO Digital Breast Tomosynthesis Phantom



Highlights

- The mamTOMO phantom is a novel approach in DBT QA. The phantom incorporates 3D test objects that simulate lesions and nonspiculated masses in a nonhomogeneous background.
- An associated automated evaluation software assists at all test stages from image processing, statistic data evaluation to extrapolation of threshold diameters for lesion perceptibility.

Testing Devices

Quart · nonius Digital X-Ray Ruler

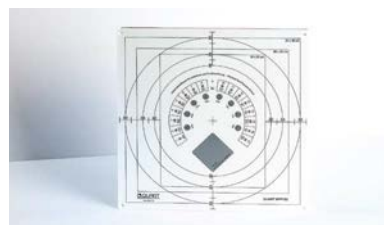


Highlights

- The QUART nonius is a sophisticated, fully electronic X-ray ruler to verify size and geometrical properties of X-ray fields in radiography and mammography. It can also be used to analyse fanned CT or dental OPG X-ray beams.
- Connected to a PC it provides quick test results, graphic analysis of beam profiles and printed test reports.
- The nonius' resolution capabilities and precision are within the nonius range of 0.1 mm.
- It requires only 3 steps to obtain the test result: Position – Expose – Evaluate.

Testing Devices

Quart · RFP150 R/F IQ Phantom



Highlights

- The Quart RFP150 phantom enables assessment of digital X-ray equipment according to the German DIN 6868-150 and DIN 6868-4.
- A small phantom version (the QUART SPdI) is available for fluoroscopy.
- The phantom can be ordered with a unique kV test object to routinely evaluate radiation quality and generator performance.
- Optional accessories include a suspension system for use on wall-mounted X-ray systems, filters and a special support.

Testing Devices

RTI Group · Cobia



Highlights

Cobia is RTI's easy-to-use solution for quick and efficient measurements of a variety of radiography and fluoroscopy parameters. For wireless testing, equip your Cobia with a built-in Bluetooth connection. Ocean Next software included. Select the model that suits your needs, and only pay for what you need to measure!

Testing Devices

RTI Group · CT Ion Chamber



Highlights

The RTI CT Ion (Ionization) Chamber is for use with Mako, Piranha, Cobia FLEX R/F, and Cobia SENSE meters. The RTI CT Ion Chambers – 10 cm and 30 cm – are intended for CTDI and dose length product measurements on CT scanners in a phantom or free-in-air.

Both chambers can be connected via a Mako Ion Chamber Module to a Mako system or via an RTI Chamber Adapter to a Piranha or Cobia. The 10 cm chamber can also fit into standard phantoms used for CTDI measurements.

Testing Devices

RTI Group · Mako



Highlights

Mako is a cutting-edge solution that revolutionizes your way of work with plug-and-play simplicity. It's our most efficient and versatile meter, delivering the highest practical accuracy experienced with the industry's broadest application range. Beyond the hills of spreadsheets, Ocean Next software awaits. Ocean Next gathers data from Mako in real-time so you can truly excel. Immerse yourself in a world of streamlined routines and complete traceability, Ocean Next.

Testing Devices

RTI Group · Ocean Next software

Highlights

Ocean Next software is the most powerful software in X-ray Quality Control. With its three different license levels Quick, Advantage, and Professional, you can handle any testing situation with ease from a quick check for radiation to any application for routine controls, PMs, etc. This essential application can be customized to suit your needs – workflow, automatic tests, reports, and more – with traceability every time! You will have a solution that's compliant with any regulation and quality criteria. Ocean Next can be used with RTI Mako, Piranha and Cobia meters as well as the RTI Scatter Probe.



Testing Devices

RTI Group · Piranha



Highlights

Piranha is RTI's premium platform for reliable Quality Control. All Piranhas are wireless, come ready to use with Bluetooth connection, and include Ocean Next software. The Piranha MULTI model can be used for X-ray QA of all modalities – R/F, Dental, Mamm, and CT – whereas the other four meters are dedicated to one specific modality. With an automatic connection to various RTI accessories, just plug and play!

Testing Devices

VacuTec · AEC Chamber



Highlights

Digital interface ensures EMC stable signal transmission and provides an open dose working range.

Technical specs:

- Tube voltage: 40 kV ... 150 kV
- Dose rate range: 0.5 ... 1,000 µGy/s
- Aluminum equivalent: <0.75 mm Al
- Analog interface: ramp voltage 0–10 V
- Digital interface: differential pulses (RS422)
- Resolution: 0.025 µGy
- Pulse width: 2 µs

Testing Devices

VacuTec · VacuDAP Bluetooth



Highlights

VacuDAP chamber is now available with Bluetooth technology

- Perfect suitable for DR upgrades and mobile X-ray units
- The battery ensures simplest installation ever

Technical specs:

- Resolution DAP: 0.01 μGym^2
- Active area: 123 × 123 mm² and 147 × 147 mm²
- Battery operation time: about 24 h

Testing Devices

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, USB
- Active area: 123 × 123 mm² and 147 × 147 mm²

Testing Devices

VacuTec · VacuDAP-C / VacuDAP-C duo



Highlights

The VacuDAP-C systems for measurement of DAP and Dose are basically integrated in interventional devices with customized calibration settings.

Technical specs:

- Resolution DAP: 0.01 μGym^2
- Resolution Dose: 0.005 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: \varnothing (8 ... 100) mm²



Please visit us at

med-eng.de





Product	Disclaimer
Women's Health	
MAMMOMAT B.brilliant	<p>¹ For average breast size of 5 cm, 50/50 % glandular/ adipose tissue</p> <p>² Maldera et al. (2016): Digital breast tomosynthesis: Dose and image quality assessment. Physica Medica, pp. 1–12</p>
Mammovista B.smart	<p>¹ Data on file.</p> <p>² Lauritzen AD, Rodríguez-Ruiz A, von Euler-Chelpin MC, Lynge E, Vejborg I, Nielsen M, Karssemeijer N, Lillholm M. An Artificial Intelligence-based Mammography Screening Protocol for Breast Cancer: Outcome and Radiologist Workload. Radiology. 2022 Apr 19:210948"</p> <p>³ van Winkel SL, Rodríguez-Ruiz A, Appelman L, Gubern-Mérida A, Karssemeijer N, Teuwen J, Wanders AJT, Sechopoulos I, Mann RM. Impact of artificial intelligence support on accuracy and reading time in breast tomosynthesis image interpretation: a multi-reader multi-case study. Eur Radiol. 2021; 31:8682-8691.</p>
MAMMOMAT Revelation eco	<p>¹ Compared to grid-based acquisition with Mammomat Inspiration, depending on breast thickness – L.B. Larsen, A. Fieselmann, H. Pfaff, T. Mertelmeier Performance of grid-less digital mammography acquisition technique for breast screening: analysis of 22,117 examinations Presentation B-1025 ECR 2015.</p> <p>² Compared to FFDM; Zackrisson S, Lång K, Rosso A, Johnson K, Dustler M, Förnvik D et al. (2018) One-view breast tomosynthesis versus two-view mammography in the Malmö Breast Tomosynthesis Screening Trial (MBTST): A prospective, population-based, diagnostic accuracy study. The Lancet Oncology. doi:10.1016/S1470-2045(18)30521-7.</p> <p>³ Clauser et al. (2019) Synthetic 2-Dimensional Mammography Can Replace Digital Mammography as an Adjunct to Wide-Angle Digital Breast Tomosynthesis. Investigative radiology 54(2):83–8.</p>
Overall question from XP – does it make sense to add these disclaimer, for all SHS products/features?	The Siemens Healthineers' product (features) mentioned herein are not commercially available in all countries. Their future availability cannot be guaranteed.
IT	
syngo Dynamics	Prerequisites include: Internet connection to clinical network, DICOM compliance, meeting of minimum hardware requirements, and adherence to local data security regulations. syngo Dynamics Remote Workplace allows users reading and reporting in low bandwidth environments. Additionally lossy compressed Images are not intended for diagnostic use.
R/F Systems	
teampay X-ray Dashboard	teampay is not commercially available in all countries. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed.
CT	
SOMATOM go.Top eco	¹ White paper SOMATOM go. platform, Imaging chain Innovations and technologies, From generation to detection; Dr. Marcus Brehm; Published by Siemens Healthcare GmbH, 2021.
SOMATOM go.All eco	¹ White paper SOMATOM go. platform, Imaging chain Innovations and technologies, From generation to detection; Dr. Marcus Brehm; Published by Siemens Healthcare GmbH, 2021
SOMATOM go.Up eco	¹ White paper SOMATOM go. platform, Imaging chain Innovations and technologies, From generation to detection; Dr. Marcus Brehm; Published by Siemens Healthcare GmbH, 2021
Interventional Systems	
Cios Alpha eco VA30	<p>¹ Option</p> <p>² Compared to today's conventional 33cm/13 inch image intensifiers</p>
Cios Fusion eco	<p>¹ Compared to today's conventional 23 cm / 9 inch image intensifiers. Cios Fusion 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</p> <p>² Option</p>

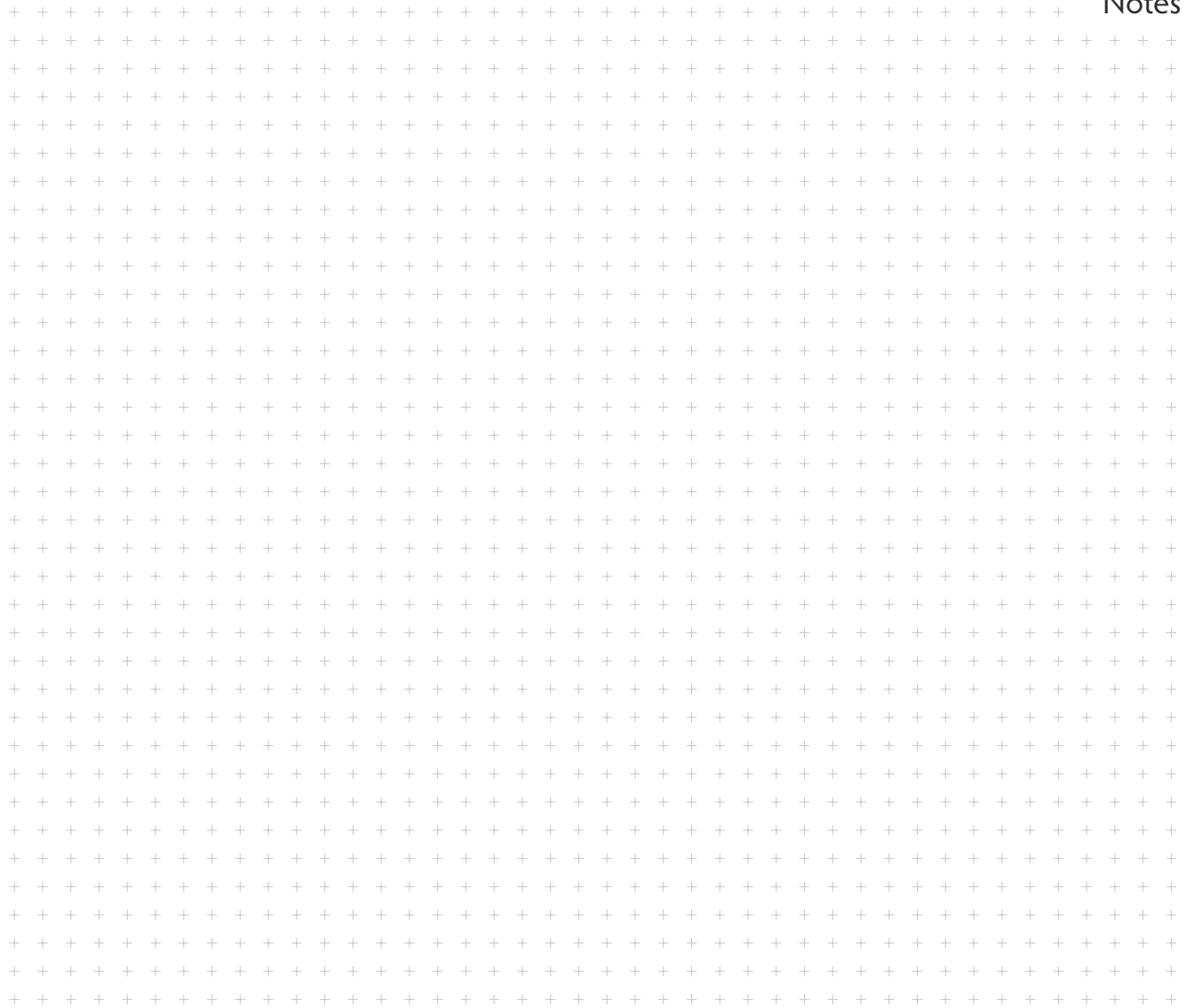
Product	Disclaimer
Molecular Imaging	
Biograph mCT 40 eco / 64 eco	¹ Patient weight limit of 227 kg (500 lb).
Symbia Pro.specta*	*Not commercially available in all countries.
Biograph Trinion*	*Not commercially available in all countries.
Biograph Vision*	*Not commercially available in all countries.
Biograph Vision Quadra*	*Not commercially available in all countries.
Magnetic Resonance Imaging	
BIOGRAPH One	<p>* BIOGRAPH One is currently under development and not commercially available. Its future availability cannot be ensured.</p> <p>¹ Maximum gradient amplitude and slewrate can be applied simultaneously.</p> <p>² Planned based on comparable detector from BIOGRAPH Vision.</p> <p>³ Open Recon is to add clinical reconstructions to the system, if signed and released for clinical use by Siemens Healthineers. Any other image reconstruction used, e.g., by researchers, is automatically labelled not for diagnostic use, which may require observation of national regulations.</p>
MAGNETOM Flow. Platform (70)	<p>* MAGNETOM Flow. Platform with 70 cm bore size is currently under development and not commercially available. Its future availability cannot be ensured.</p> <p>¹ Maximum gradient amplitude and slewrate can be applied simultaneously.</p> <p>² 0.7 l of liquid helium.</p> <p>³ Data on file. Values based on preliminary measurements. Results were achieved by Siemens Healthineers using both standard and optional features. There can be no 'typical' hospital setting (case mix, system type, etc.) and so results by users may vary with no guarantee that the same results can be achieved.</p>
MAGNETOM Altea	<p>¹ Maximal gradient performance achieved through vector addition of all three gradient axes simultaneously.</p> <p>² Is currently under development and not commercially available. Its future availability cannot be ensured.</p> <p>³ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user</p>
MAGNETOM Sola	<p>¹ Maximal gradient performance achieved through vector addition of all three gradient axes simultaneously.</p> <p>² Is currently under development and not commercially available. Its future availability cannot be ensured.</p> <p>³ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user</p>
MAGNETOM Viato.Mobile	<p>¹ Maximum gradient amplitude and slewrate can be applied simultaneously.</p> <p>² Deep Resolve 3D is currently under development and not commercially available. Its future availability cannot be guaranteed.</p> <p>³ Remote Imaging portfolio consists of the remote- scanning-offerings syngo Virtual Cockpit & WeScan, Expert-I enabled Siemens Healthineers MRI scanner, remote technologist and the remotereading offering WeRead.</p> <p>⁴ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user.</p>
Magnetom Lumina	<p>¹ Maximal gradient performance achieved through vector addition of all three gradient axes simultaneously.</p> <p>² Currently under development and not commercially available. Its future availability cannot be ensured.</p> <p>³ Results were achieved internally using standard and optional features and may vary with no guarantee that the same results can be achieved by the user.</p>

Company Name	Logo	Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Women's Health	R/F Systems	Molecular Imaging	DVD	Ultrasound	Testing Devices
allMRI GmbH Südstr. 23 74226 Nordheim, Germany tel +49 7133 237 02 20 mail@allmri.com www.allmri.com			■										
Canon Europe NV Canon Medical Components Europe B.V. Bovenkerkerweg 59 1185 XB, Amstelveen, Netherlands drsales@mce.canon http://www.mce.canon/						■	■		■				
Cefla s.c. Via Selice Provinciale 23A 40026 Imola (BO), Italy tel +390542653441 info@newtom.it www.newtom.it		■											
DEL MEDICAL 28 Calvert Street, Harrison, NY 10528, USA tel +1 800 261-9808 241 Covington Drive, Bloomingdale, IL 60108, USA tel +1 800 800-6006 www.delmedical.com									■				
DRGEM Corporation 7F, E-B/D Gwangmyeong Techno-Park, 60 Haan-ro, Gwangmyeong-si, Gyeonggi-do, Korea tel +82 2 869 85 66 sales@drgem.co.kr www.drgem.co.kr									■				
Philips Medical Systems DMC GmbH Röntgenstr. 24 22335 Hamburg, Germany dunlee.orderdesk@philips.com www.dunlee.com		■											
EXAMION GmbH Erich-Herion-Str. 37 70736 Fellbach, Germany tel +49 711 12 00 02-0 vertrieb@examion.com www.examion.com							■		■				
GMM GROUP Via Partigiani, 25 24068 Seriate (BG), Italy tel +39 035 452 53 11 info@gmmspa.com www.gmmspa.com					■				■				
Guerbet BP 57400 95943 Roissy CdG Cedex, France tel +33 145 91 50 00 LF@guerbet.com www.guerbet.com				■									
I.A.E. S.P.A. Via Fabio Filzi, 53 20032 Cormano (MI), Italy tel +39 02 66 30 32 55 iaexray@iae.it www.iae.it		■			■			■	■				
IBA Dosimetry GmbH Bahnhofstr. 5 90592 Schwarzenbruck, Germany tel +49 91 28 607-0 sales-diagnostic@iba-group.com www.iba-dosimetry.de													■
IBA Radcal 426 West Duarte Road Monrovia, CA 91016, USA tel +1 626 357 79 21 sales@radcal.com www.radcal.com													■

Companies & Suppliers

Company Name	Address	Logo	Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Women's Health	R/F Systems	Molecular Imaging	DVD	Ultrasound	Testing Devices
IMD GENERATORS SRL Viale Matteotti 28/A 24050 Grassobbio (BG), Italy tel. +39 35 526344 info@imdxray.com www.imdxray.com			■			■			■	■				
IMS Giotto S.p.A. – GMM GROUP – Via Sagittario, 5 40037 Sasso Marconi (BO), Italy tel +39 51 84 68 51 imscomm@imgiotto.com www.imgiotto.com									■					
INTERMEDICAL SRL Via E. Fermi, 26 24050 Grassobbio (BG), Italy tel +39 035 659 48 11 info@inter-med.it www.inter-med.it						■				■				
medical ECONET GmbH Im Erlengrund 16 46149 Oberhausen, Germany tel +49 (0) 208 377 890-00 info@medical-econet.com www.medical-econet.com										■				
MEDTRON AG Hauptstr. 255 66128 Saarbrücken, Germany tel +49 681 970 17-0 info@medtron.com www.medtron.com					■									
Medtronic AG International Trading Sàrl Route du Molliau 31 1131 Tolochenaz, Switzerland tel 031 868 01 00 cs.switzerland@medtronic.com https://europe.medtronic.com						■								
Mesalvo GmbH Heinrich-von-Stephan-Str. 25 79100 Freiburg, Germany info@mesalvo.com www.mesalvo.com								■						
NEXUS/CHILI GmbH Friedrich-Ebert-Str. 2 69221 Dossenheim/Heidelberg, Germany tel +49 6221 180 79 10 sales@nexus-chili.com www.nexus-chili.com								■				■		
NORAS MRI products GmbH Leibnizstr. 4 97204 Höchberg, Germany tel +49 931 29 92.70 mri@noras.de www.noras.de														
NRT X-RAY A/S Birkegaardsvej 16 8361 Hasselager, Denmark tel +45 86 28 35 00 nrt@nrtxray.com www.nrtxray.com										■				
Planmed Oy Sorvaajankatu 7 00880 Helsinki, Finland tel +358 20 779 53 00 sales@planmed.com www.planmed.com			■						■					
PTW Freiburg GmbH Lörracher Str. 7 79115 Freiburg, Germany tel +49 761 490 55-0 info@ptwdosimetry.com ptwdosimetry.com			■											■

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Women's Health	R/F Systems	Molecular Imaging	DVD	Ultrasound	Testing Devices
QUART GmbH Kirchenweg 7 85604 Zorneding, Germany tel +49 8106 24 91 18 info@quart.de www.quart.de			■										■
RTI Group Flöjelbergsgatan 8C 43137 Mölndal, Sweden tel +46 31 746 36 27 sales@rtigroup.com www.rtigroup.com													■
SCHILLER AG Altgasse 68 6341 Baar, Switzerland tel +41 41 766 42 42 info@schiller.ch www.schiller.ch			■										
Siemens Healthineers AG Siemensstr. 3 91301 Forchheim, Germany tel +49 800 188 188 5 www.siemens-healthineers.com		■	■		■	■	■	■	■	■		■	
STEPHANIX 10, Rue Jean Moulin 42150 La Ricamarie, France tel +33 477 47 81 60 contact@stephanix.com www.stephanix.com					■				■				
Technix S.p.A. Via Fermi 45 24050 Grassobbio (BG), Italy tel +39 035 384 66 11 technixd@technix.it www.technix.it					■				■				
Transatlantic Siemensstr. 21-23 61267 Neu-Anspach, Germany tel +49 60 81 94 30 50 info@transat.de www.transatlantic.de				■									
Ultrasound Technologies LTD Lodge Way, Portskewett, Caldicot, South Wales, NP26 5PS, U.K. tel +44 12 91 42 54 25 ultratec@doppler.co.uk www.doppler.co.uk		■											
VacuTec Meßtechnik GmbH Dornblüthstr. 14a 01277 Dresden, Germany tel +49 351 317 24-0 info@vacutec-gmbh.de www.vacutec-gmbh.de													■
VILLA SISTEMI MEDICALI s.p.a. Via delle Azalee, 3 20090 Buccinasco (MI), Italy tel +39 02 48 85 91 vsminfo@villasm.com www.villasm.com					■			■	■				
Ziehm Imaging GmbH Lina-Ammon-Str 10 90471 Nürnberg, Germany info@ziehm.com www.ziehm.com					■								



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Printed by
mgo360 GmbH & Co. KG, Bamberg

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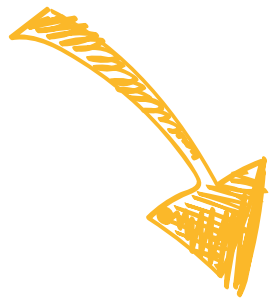
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