

PROFILE



HEALTHCARE SOLUTION GROUP

HSG provides Healthcare Solution and Customer focus for Diagnostics & Clinical informatic with High Quality products excellent after sales service and customer education center.

Complete ranges of radiology, ultrasonograph, clinical informatic and sterilization based products

VISION & MISSION

BNM vision is being a good corporate citizen and must become an important national asset.

BNM mission is to become the preferred total solution supplier in Indonesia with reputation of excellent through: Knowledge of customer needs and anticipation of changes in customer needs.

Knowledge of state of the art in technology changes. Excellence in service and application knowledge. High level of quality, technology and reliability products.

BNM

PT. BERCA NIAGA MEDIKA

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PHILIPS



IMAGING SYSTEM
HEALTHCARE SOLUTION GROUP



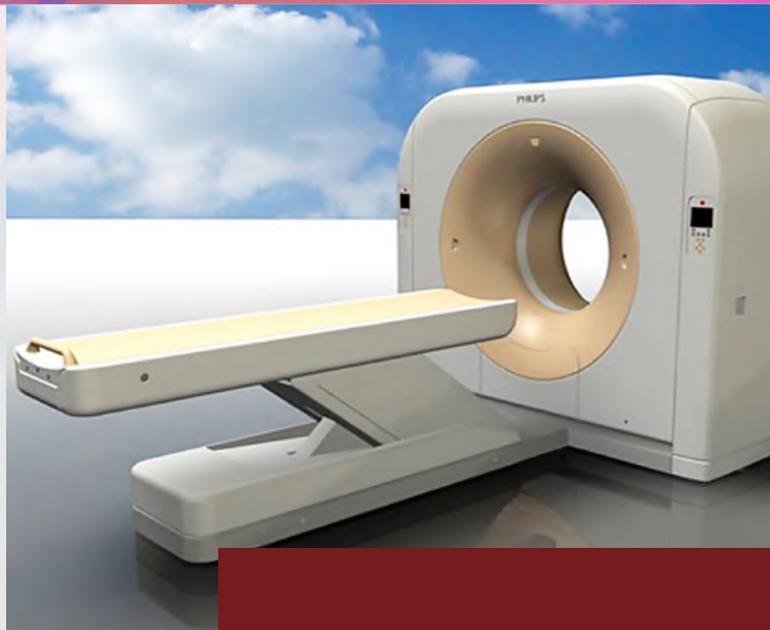
Philips MX 16-slice CT High Performance Comes Easily

Easy to use

Sharing many of the legendary technologies you've come to expect from Philips Brilliance CT, the MX 16-slice brings simplified workflow in an easy-to-use clinical tool. After listening to you and your colleagues, we understand what is most important in a CT system to you and your patients.

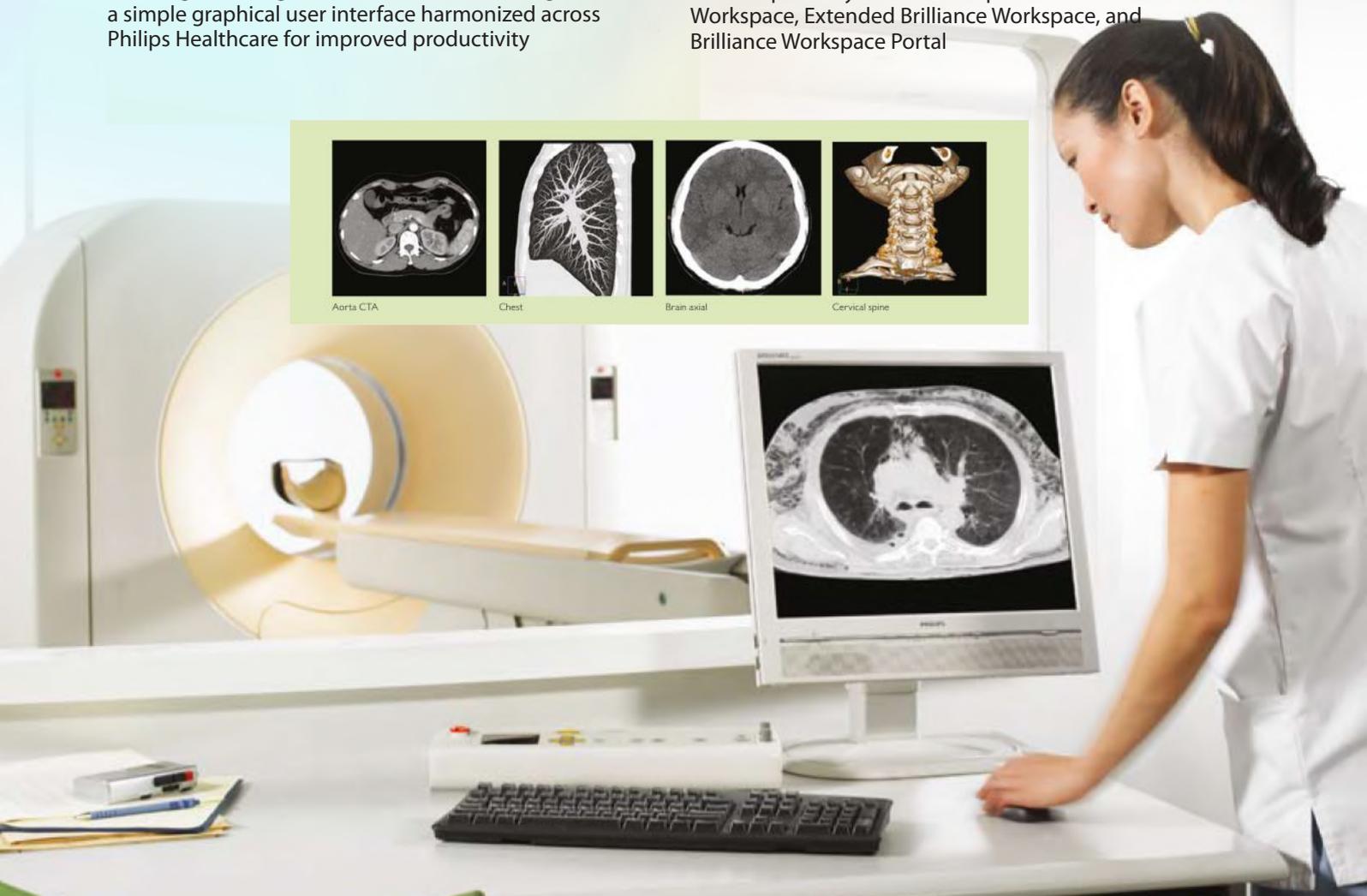
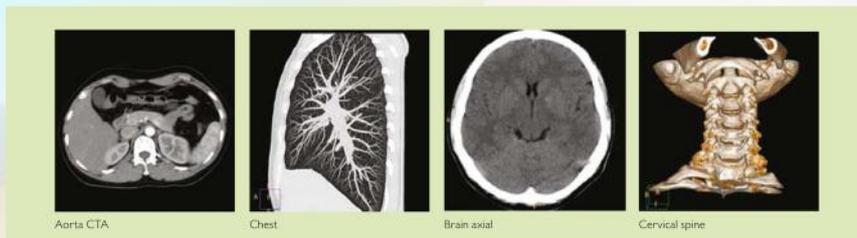
High-performance, compact system

MX 16-slice CT combines a high-performance workstation and scanner into one convenient, powerful, and cost-effective multislice CT system, making it ideal for many institutions worldwide, including general radiology departments, community hospitals, diagnostic imaging centers, and specialty facilities.



The MX 16-slice delivers:

- Easy-to-use, clinically tested preset protocols to optimize workflow, image quality, and patient dose
- Planning, scanning, visualization, and archiving with a simple graphical user interface harmonized across Philips Healthcare for improved productivity
- Standard visualization functions such as 2D, MPR, MIP, and Volume Rendering available for review or postprocessing on the console
- Full compatibility with the Philips CT Brilliance Workspace, Extended Brilliance Workspace, and Brilliance Workspace Portal





Philips Ingenuity 64

Philips Ingenuity Family Future Bound High Reliability

Low-dose, high-quality imaging and coverage, and the ability to personalize image quality patient by patient. Expect excellence in routine imaging, with improved image quality across a range of patients. Ingenuity Core offers you all of this, in addition to in-room upgradability to Ingenuity Core128 or Ingenuity CT so its capabilities can grow as your needs grow.*



Clinical integration and collaboration

- Routine procedures with advanced clinical capabilities
- Wide coverage facilitates fast acquisitions in trauma situations and cardiac*
- Personalized image quality depending on clinical needs

Confidence for you and your patients Philips Ingenuity Core offers 4 cm coverage for excellent image quality and is also available with iDose4, our iterative reconstruction technique. With a focus on clinical integration and collaboration, patient focus, and improved economic value, the scanner provides improved image quality at low dose with up to 57% improvement in spatial resolution. Now you can personalize image quality based on your patients' needs at low dose. And with Ingenuity Core with iDose4, reconstruction is achieved in seconds rather than minutes. When it's time to grow, Ingenuity Core is fully in-room upgradable to Ingenuity Core128 for the benefits of 128-slice scanning or Ingenuity CT for high performance with no tradeoffs.



Philips Ingenuity 128



Patient focus

- Low energy, low dose
- Improved spatial visualization at a low dose
- Personalized dose across a wide patient population

Improved economic value

- MRC Ice tube, reliability and fast cooling
- Majority of factory protocols reconstructed with iDose4 in less than a minute
- Fully in-room upgradable to Ingenuity Core128 or Ingenuity CT



Brilliance iCT 256



Philips iCT Family Premium Results Revolutionizing Imaging

The Philips iCT family is specifically designed to meet the unique needs of imaging from head to toe. With a focus on clinical collaboration and integration, patient care, and economic value, this system will provide the high image quality you seek with the outstanding lows that are becoming increasingly important (low energy, low dose, and low injected contrast). The iCT TVI is a new approach to total vascular imaging.

Clinical integration and collaboration

- Low-energy imaging for the majority of patients
- Chest CT near the dose of a chest X-ray
- More patients eligible for low-dose coronary CTA
- Full cardiac function at near background radiation levels

Patient focus

- Sub-mSv coronary CTA for the majority of patients
- Low-dose brain perfusion protocol
- Up to 50% improvement in spatial resolution
- Low-dose calcium scoring

Economic value

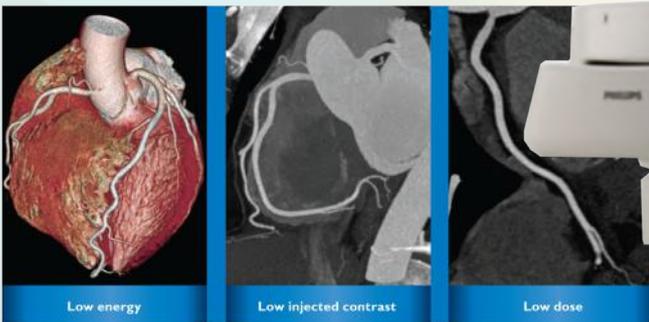
- Demonstrated capability to image over 100 vascular patients per day
- 72% of reference protocols reconstructed in under one minute
- Begin diagnosis earlier with IntelliSpace Portal preprocessing

The iCT is taking CT imaging to a whole new level. Not only does this scanner deliver exceptional image quality, its advanced technology can also help you to reduce X-ray dose and injected contrast, important factors for managing patient risk. And it's a new approach to total vascular imaging through a unique combination of low-kVp scanning and an iterative reconstruction technique that improves low contrast sensitivity.

The unique combination of hardware innovations, state-of-the-art acquisitions, and iDose4 iterative reconstruction technique offers you premium results for stroke, cardiovascular, thoracic, and runoff imaging.



Brilliance iCT 128





Philips Ingenia 1.5T & 3T Magnetic Resonance System, the first-ever digital broadband MR

Changing Expectations

As healthcare rapidly changes around the world, so do the requirements for MR scanning. In addition to performing the most common procedures better and faster, there is a growing need for oncology and body imaging, often on larger patients. More services and faster delivery are the name of the game.

How do you keep pace with these changes, now and in the future? With Philips Ingenia 1.5T, the first digital broadband MR scanner. Powered by the breakthrough Stream architecture, the Ingenia 1.5T is the first MR system that brings MR signal digitization where it has never been before – in the RF coil, as close to the patient as possible. dStream unleashes the power of digitization by delivering a high purity MR signal for increased SNR, combined with Imaging Space enhanced workflow and ease of use for greater efficiency in your daily operations. Philips Ingenia is designed to avoid compromises.

Better, more consistent image quality for all applications pairs with clinical versatility to expand into new areas such as body/oncology, in a wide aperture system that promotes excellent patient comfort. And productivity is enhanced with every feature of the Ingenia, with automation where it makes sense, while still giving you the control you want or need. Elevated clinical performance, accelerated patient management and improved economic value – all for the life of the system – the Ingenia 1.5T will change your expectations on what MR is and should be.



Ingenia 1.5T with DirectDigital.



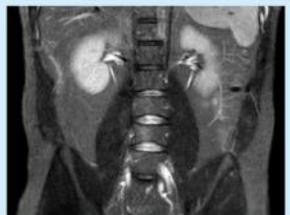
Other MR: Digitization away from coil.



DirectDigital: miniaturized electronics in the coil.



Other MR: Large electronics rack distant from the coil.



Ingenia 1.5T: Up to 40% improvement in SNR with DirectDigital.



Other MR: Signal loss resulting from digitization performed away from the coil.



Philips Multiva 1.5T 8 channel Magnetic Resonance System

Making High Performance Your Standard

Philips is committed to fueling a revolution in imaging designed to deliver greater collaboration and integration, increased patient focus, and improved economic value. We provide you with advanced imaging technologies you can count on to make informed clinical decisions, while providing more efficient, more personalized care for patients.



Multiva 1.5T meets your need for fast, high-quality routine MR imaging, while excelling in advanced clinical areas so that you can tap new opportunities and expand your referral base.

Multiva delivers:

- High quality routine imaging in as little as 10 minutes
- Advanced clinical applications, including whole body, oncology and breast imaging
- Up to 40% reduction in patient/coil set up time with new FlexStream workflow
- Affordability – today and for the life of your system

Proven technology, top performance

With Multiva you benefit from Philips innovative and proven technology - from both the Ingenia and Achieva systems - that is acclaimed for its speed, clinical competence and robust reliability. And now we've added innovations designed specifically for busy departments expecting high performance levels that help you offer your patients efficient service and confident diagnoses.

By combining ease-of-use with features that make exams faster, Multiva delivers outstanding throughput to address ever-growing patient volumes and pressure on reimbursements.

Head, spine, musculoskeletal and body imaging makes up about 85% of exams in a typical MR department. Multiva



enables many of these exams to be completed in just 10 minutes, so you can scan more patients per day.

SENSE high speed imaging

SENSE, Philips revolutionary parallel imaging technique, continues to lead the industry with high acceleration factors. With Multiva and SENSE, you can image up to 8 times faster than conventional imaging.

FlexStream workflow: up to 40% reduction in patient/coil set up time

FlexStream workflow enables 100% of total spine studies to be performed without additional coil handling and 100% of head, body, musculoskeletal, and neurovascular studies with a single ultra-lightweight anterior coil or the 8-channel SENSE MSK coil.



8-channel Head/Spine coil for brain, spine and neurovascular studies.



Ultra-light Anterior Torso coil with large coverage combines with the posterior coil for body imaging.



Improved speed & workflow in MSK exams with 8-channel MSK coils.



Head/Spine coil allows positioning of headphones even with the Neurovascular Top coil in place.

SmartAssist for ease and efficiency

SmartAssist – the next generation of Philips powerful combination of SmartExam and ExamCards – can halve the number of repetitive tasks for greater efficiency.

It includes:

- **SmartSelect:** Automatically determines which coils and elements should be activated for maximum SNR in the region of interest
- **SmartExam:** Available for brain, spine, shoulder, knee, and breast imaging, positions slices on the target anatomy, reducing operator input to as little as a single mouse click
- **SmartLine:** Performs smart background processing (such as volume view, diffusion, perfusion etc.,) of multiple image datasets in parallel with image acquisition

Patient comfort for enhanced productivity

- Large Neurovascular coil for patient comfort with room for headphones, even with the top on
- Open-faced spine imaging with top-off operation FlexCaddy

Multiva meets the needs of the ambitious imaging provider, enabling you to grow your referral base for mainstream imaging while also offering advanced and emerging applications. Multiva's fundamental strength is its powerful platform that enables broad clinical coverage.

- 53 cm homogeneous imaging volume for large

coverage

- Powerful Galaxy gradient performance
- 8 channel RF receive platform and high channel/element count coils
- Direct Digital Sampling RF receiver with digital demodulation for high SNR
- Powerful 18 kW RF transmit system
- A wide range of high channel count dedicated coils for even higher SNR and resolution

Together, these features enable large coverage with high quality fat-suppression, fast imaging, short breath-holds, and high resolution.



Multiva by the numbers

- 8 channel receive platform
- 80 MHz Direct Digital sampling
- 10 minutes or less for mainstream applications
- 53 cm homogeneous field-of-view
- 0 coil handling for total spine studies
- 38 element Head/Spine/Torso (HST) coil
- 8 factor SENSE acceleration



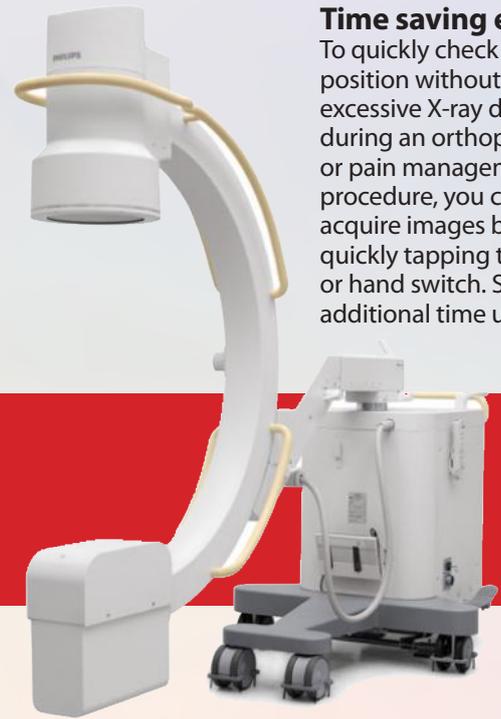
Get excellent image quality at low dose to perform challenging fracture repairs.

is perfect for visualizing difficult spiral or comminuted fractures

to support the treatment of virtually everything from simple to challenging fractures. Your mobile X-ray system gets intensive use, from many different people working in crowded situations. You know that every minute counts in the OR, so the easier a system works, the better. Our controls are designed to help all users operate the system, quickly and intuitively, even with limited training. Clear icons and step-by-step menus provide extra guidance, allowing efficient procedures.

Time saving extras

To quickly check a position without using excessive X-ray dose during an orthopedic or pain management procedure, you can acquire images by just quickly tapping the foot or hand switch. Save additional time using



our unique BodySmart feature. It allows you to acquire fast and consistent images even at the edge of the image intensifier, which further improves the workflow in high pressure operating environments.

Easy to use with minimal training

Everyone can easily operate the BV Vectra thanks to its ergonomic design and smooth maneuverability. This fully counterbalanced C-arm has an excellent C-depth of 660 cm, allowing it to be easily positioned around large and obese patients for a variety of orthopedic applications. It can be angulated up to 125 degrees to provide better accessibility for steeper projections. The conveniently placed handles and rear-wheel steering assist you in quickly positioning and re-positioning the system during procedures.

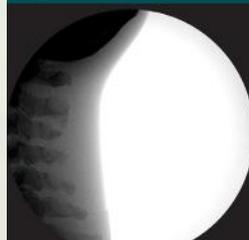
Philips BV Vectra mobile surgical C-arm system

Making the difference with Philips Live Image Guidance

Together we make the difference in orthopedic injuries and disorders to improve patient outcomes and save lives. With our Live Image Guidance we aim to remove barriers to safer, effective and reproducible minimally invasive treatments, delivering relevant clinical value where it's needed most – at the point of patient treatment.

Reliance on fast, quality imaging for fracture repair is a given in your daily routine. Ease of use, ease of positioning and the power to penetrate large patients are key requirements. Our X-ray systems are intuitive to operate. You simply point and shoot. They enable you to provide high quality care by delivering the image quality you need. The BV Vectra system is dedicated to orthopedic surgical procedures, including trauma, spine, and pain management. This compact system

Cervical Spine Off Center without Body Smart



Cervical Spine Off Center with BodySmart



Image 1



Image 2



Mobile C-Arm Systems BV Pulsera

Giving You the Power

Challenging interventional procedures require a powerful mobile fluoroscopy system. The BV Pulsera, the interventional powerhouse from Philips, is designed for routine surgical interventions as well as specialized minimal / invasive procedures that help people recover faster.



SmartVision - high quality images at a low dose

Philips knows how important it is for you to have high quality images. That's why we have developed the next generation in C-arm imaging: SmartVision. A unique concept, SmartVision offers you a combination of advanced technologies across the imaging chain that result in the high quality images at a low dose. Some highlights include:

- **1K2 imaging:** The full digital imaging chain includes powerful image processing functions like advanced noise reduction and 2D edge enhancement, providing you with high quality images time after time.
- **BodySmart:** Unique BodySmart software gives you superb image contrast, time after time. It finds, tracks and precisely defines the field of view to anatomy – no matter where it is on the image intensifier.
- **Automatic Shutter Positioning:** With the unique Automatic Shutter Positioning feature, you can have optimal shutter positioning for the best image quality possible. With just one push of a button, the shutters are automatically positioned with respect to the anatomy of interest.
- **Automatic contrast/brightness:** Automatic contrast/brightness lets you optimize real-time contrast and brightness at the touch of a button.

Revolutionize the way you work with BV Pulsera. Optimally designed, the Mobile View Station not only looks better, it performs better. Thanks to its compact size, this system can be easily moved around even in the tight confines of the OR. And its small footprint ensures that it can be brought as close to the operating table as is desired. Its unique design also enables easy cleaning of the equipment.

With the BV Pulsera and the intelligent viewing concept, the operator can enter patient demographics manually or retrieve a worklist via the hospital network. All this while the Mobile View Station is already positioned at the surgical table. At the start of the procedure, the operator simply needs to turn the monitor towards the physician. Later, the monitors can be turned back to the operator to process the images and send them to PACS. To ensure high quality on-screen images, the Mobile View Station is equipped with 18" LCD monitors. And to provide maximum flexibility, the height of the monitors can be adjusted to the surgeon's convenience – whether he/she is sitting or standing.



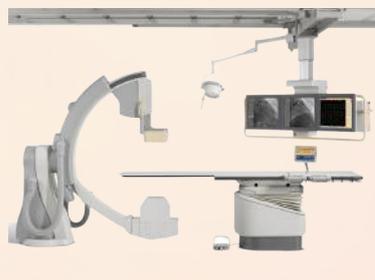
Philips Allura Xper FD10 System **Advanced Interventions in Your Lab**

Today, new interventional treatments and applications are constantly being pioneered. And although this expansion is exciting, it means that you must be more versatile than ever before. You must be equipped with an X-ray system that is capable of performing a wide variety of complex procedures. To achieve this, cardiologists need superb image quality at a low X-ray dose, instant access to multi-modality information, as well as advanced and easy-to-use image processing tools. Through partnerships with busy cath labs around the world, Philips has developed the Allura Xper FD10.

The G-shaped stand maximizes speed and provides excellent patient access. Rock stable gantry design with fast and easy table side controlled operation, with full flexibility in applications by free positioning of the gantry, monitor suspension and operating modules. The unique G-shaped of the stand allows you to reach the groin without repositioning and allows a wide range of projections. The exclusive BodyGuard patient protection mechanism is designed to protect the patient from unexpected contact between the detector and the body. It uses capacitive sensing to determine patient location to prevent collision, while allowing stand positioning at up to 25°/sec.

Tailor made customized operating user interface per user (groups) and per desired application is available. Full integration of the complete system user interface is available at table side. Xper stands for "X-ray Personalized", and reflects the expert nature of the Allura Xper FD10 system.

In the examination room, the Xper User Interface comprises the On-Screen Display, the Xper Module, and the Xper Imaging and Geometry Modules. Information is displayed on the On-Screen display in the examination room. The Xper Geometry and Imaging Module can be positioned on three sides of the patient table. The Modules adjust to the position to retain the intuitive button operation. Both the Xper Geometry and Imaging Module have a removable protection bar that prevents unintended activation of system.



Allura Xper FD20

Experience the Invisible Revolution



Dedicated hybrid room for minimally invasive vascular surgery procedures

Get superb image quality and advanced 3D tools to support confident decision making during minimally invasive vascular surgery procedures in your hybrid room. The 2k digital imaging chain of the Allura Xper FD20 fixed X-ray system provides crisp, virtually distortion-free visualization of small details and objects to support endovascular surgery, including AAA and carotid stenting procedures. Advanced X-ray dose reduction features reduce radiation exposure for patients and staff.

Perform vascular procedures in this advanced hybrid room

- Preset vascular protocols ensure optimal image quality during minimally invasive vascular surgery procedures
- Fixed X-ray system features automated settings and table-side controls that help clinicians focus on the patient and the procedure
- Live 3D image guidance tools provide extra support for complex minimally invasive procedures in the hybrid room
- DoseWise offers low X-ray dose and excellent image quality
- Table tilt and cradle movement enable optimal patient positioning for more invasive or needle guided puncture procedures

Insight where you need it in a fast-paced hybrid room

Philips' unique Live 3D image guidance tools support fast and sure decision-making for vascular diagnostics and minimally invasive procedures. Dynamic 3D Roadmap and XperGuide give you Live 3D image guidance capabilities that provide excellent clinical insight and enhanced navigation for tortuous vasculature. XperCT lets you acquire soft tissue volumes, before, during or after your vascular surgery procedure in the hybrid room.

Fixed X-ray system offers low X-ray dose and high image quality

Vascular procedures often involve extended fluoroscopy times and a high number of radiographic images. The Allura Xper FD20 fixed X-ray system offers DoseWise™. It is our integrated system-wide approach to X-ray dose management that lets you choose the most appropriate image quality for your application, at a low X-ray dose. The result is less radiation exposure for patients and staff in your hybrid room during minimally invasive procedures.





PHILIPS HEALTHCARE: IMAGING SYSTEM



provides exceptional visualization of complex cardiac anatomy in examinations where contrast media, X-ray dose and time really matter.

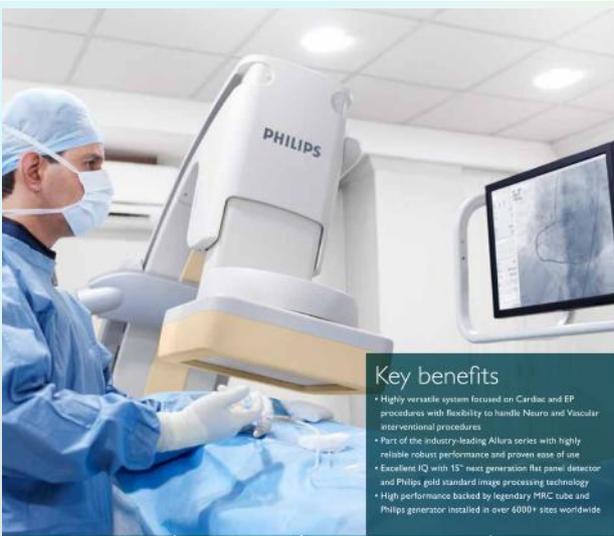
Real-time image guidance with this cutting edge electrophysiology system

Get advanced imaging support for EP interventions with Philips EP navigator. This new tool visualizes 3D cardiac anatomy and the position of catheters, in real time, in one image, in the EP interventional lab. It provides a 3D image of the heart based on either a pre-interventional CT image or an up-to-date 3D rotational angiography taken during the EP procedure. The EndoView feature enables you to look inside the left atrium for enhanced catheter guidance.



Allura Xper FD Biplane Systems Get the Most Out of Your Systems from Start to Finish

Carry out the most challenging EP procedures with new confidence on the Philips family of Allura Xper FD biplane electrophysiology X-ray systems. Choose from the Philips Allura Xper FD10/10, FD20/10 and FD20/20, depending on the imaging combination that best suits your case mix. Each



Philips Allura Centron Making the Difference Where it Really Matters

Together we make the difference in minimally invasive treatment to improve patient outcomes and save lives. With our LIVE image guidance we aim to remove barriers to safer, effective and reproducible treatments, delivering relevant clinical value where it's needed most - at the point of patient treatment. Intelligent and intuitive integration of live imaging, patient information, and disease-specific tools help to optimize therapy guidance.

Our Allura Centron is a robust interventional X-ray lab designed to handle a variety of procedures at an excellent pace. Find and treat the problem with greater insight and confidence 4 Allura Centron is a versatile system designed for Cardiac and Electrophysiology procedures, ready for the demands of Neuro and Vascular interventional procedures.

Optimization of user experience to promote greater consistency and efficiency 6 Allura Centron is designed for ease of use with proven user interfaces from Allura Xper systems.

Key benefits

- Highly versatile system focused on Cardiac and EP procedures with flexibility to handle Neuro and Vascular interventional procedures.
- Part of the industry-leading Allura series with highly reliable robust performance and proven ease of use.
- Excellent IQ with 15" next generation flat panel detector and Philips gold standard image processing technology.
- High performance backed by legendary MRC tube and Philips generator installed in over 6000+ sites worldwide.



Philips PrimaryDiagnost DR Digital Radiography System Discover the Essence of Digital Radiography

As digital radiography evolves, it becomes more inclusive. When a company such as Philips takes the lead, you find systems like PrimaryDiagnost DR. Designed to help you gain a competitive advantage and extend clinical capacity, the PrimaryDiagnost DR offers an outstanding price/performance ratio.

Benefits of digital

More institutions are choosing to move to digital radiography. The benefits are obvious – faster image processing, better throughput, quicker diagnoses, and shorter patient wait times. Additionally, the ability to transmit images over information networks and to electronically archive them is invaluable. In most cases, digital technology eliminates film, processing costs, and the purchase, maintenance, and staffing expenses associated with film processing equipment. Permanently archived images are never lost and digital X-rays rarely need to be repeated. And by using PACS, images can be viewed by multiple people in various locations at the same time. Philips PrimaryDiagnost DR makes it easy to enter this digital world.



Philips Intuis Interventional X-ray Better User Experience

has to go above and beyond. You want to handle a higher volume and variety of procedures to see a faster return on your investment. All while delivering excellent care to your community.

Experience a versatile and intuitive cath lab with Philips Intuis. Its advanced 15" flat panel detector is designed to provide excellent image quality, clinical versatility, and high throughput. Intelligent and intuitive integration of live imaging and procedure-based applications promote efficient procedures and enhance patient care.



Together we make the difference in minimally invasive treatment to improve patient outcomes and save lives. With our Live Image Guidance we aim to remove barriers to safer, effective, and reproducible treatments, delivering relevant clinical value where it's needed most – at the point of patient treatment.

Healthcare resources are under more pressure than ever in today's challenging economic environment. That means your cath lab



Philips MobileDiagnost Opta – Mobile Digital Radiography

Optimize the Balance Between Performance and Price

Digital Mobile Radiography brings personalized X-ray care right to the bedside, allowing for more rapid treatment decisions. You can accomplish this with MobileDiagnost Opta, a system that is simple in design, yet includes features essential for diagnostic quality imaging. MobileDiagnost Opta has a powerful generator, the intuitive Eleva user interface, UNIQUE image processing and a tethered portable detector to capture quality, low dose digital images necessary for a broad range of applications. Its compact, lightweight form helps you gain access to challenging spaces all across your facility. Not quite ready for a move to digital? The MobileDiagnost Opta is also available in an analog version that can be quickly upgraded at a later date.

Key advantages

- Quality digital X-ray images from an industry leader
- Wide ranging diagnostic capabilities and superb ease-of-use
- Excellent performance to price balance for cost effectiveness

