



**AXIOM Aristos family**  
Radiographic FD systems of the future  
for workflow solutions today

**SIEMENS**  
medical

# AXIOM Aristos

## Ease of Use

Easy to use, intelligent systems – providing convenience for your clinical routine

## Image Quality

Brilliant images from a 3k<sup>2</sup> FD detector – immediately at the diagnostic workstation

## Care

Integrated FD technology – a potential for low dose

## Connectivity

syngo® and DICOM – networked for success

## The AXIOM Aristos family – Delivering competence in radiography with FD technology

Unchain your workflow with the AXIOM Aristos family. The members of the AXIOM Aristos family are designed together with users to optimize workflow and improve efficiency in radiography departments. AXIOM Aristos systems provide the basis for a smooth examination. Routine processes are virtually fully automated, eliminating manual activities such as cassette handling. This allows patients to be the focus, with faster treatment, improved comfort and greater cost efficiency.

**AXIOM Aristos TX**  
*The dedicated chest solution  
(not available in the US)*



**AXIOM Aristos VX**  
*Total versatility for chest  
and skeletal applications*



**AXIOM Aristos MX**  
*Universal X-ray system  
for radiography applications*



**AXIOM Aristos FX Plus**  
*The all-around star performer –  
with wireless remote control*





# Optimizing your clinical workflow

## **Ergonomic, flexible and intelligent.**

The AXIOM Aristos family provides a unique and optimal approach to your daily routine. Designed together with you, the users, the Aristos family delivers a logical and patient-friendly radiology experience.

## **Convenient system handling for smoother clinical workflows.**

The systems are enabled with intelligent system movements, tube design and table operation with benefits such as motorized and tracked collimator movements. With TOP collimation, the upper border of the X-ray beam is automatically fixed according to the field of exposure, so as to limit irradiation to the patient's thyroid during a chest examination.

## **The intuitive qualities of *syngo*.**

A recognized and accepted customer user interface across the majority of imaging modalities. The AXIOM Aristos family leads diagnostic imaging by incorporating *syngo* as our platform for communication between the examination room and radiology department.

## **Automatic organ program settings.**

*syngo* also enables the intelligent selection of patient organ programs which includes many automatic and freely configurable settings. One of them is the automatic grid removal for pediatric programs\*, ensuring that your examination protocols are optimized for your patient types.

*Flush-mount foot switches for convenience*

\* AXIOM Aristos MX only



*Offset TOP collimation –  
motorized and tracked movements*

*Flexible positioning  
of the ceiling-mounted tube*

*Integrated workstation  
and generator controls*



## 3K matrix data – brilliant images at the diagnostic workstation



Skull

### Image Quality

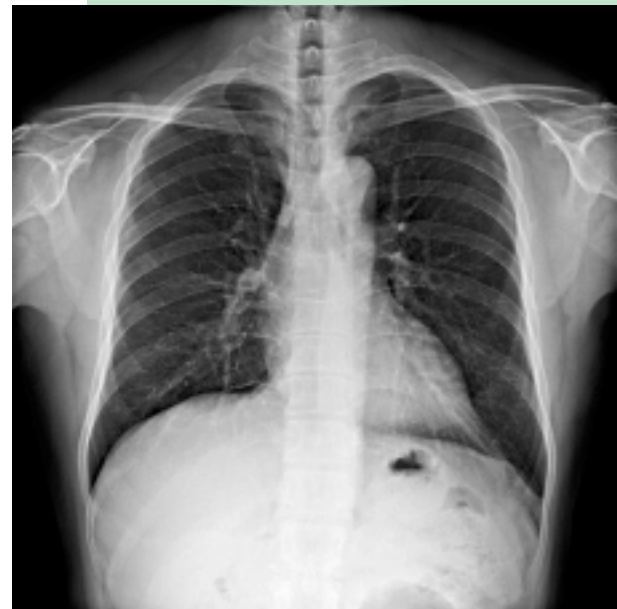
The optimally tuned imaging chain provides high quality X-ray exposures. The aSi-matrix flat detector with its high-performance CsI scintillator is the cornerstone of the system. The result: images with greater diagnostic accuracy at low dose for the patient. The image processing software allows you to display the clinically relevant image content.

#### Benefits include:

- › Diagnostic images available for review in less than 5 seconds
- › Reduced repeat examinations
- › Brilliant images with reduced dose
- › Consistently high resolution
- › Large coverage with the 43 cm x 43 cm detector

#### DiamondView – organ-specific fine tuning\*

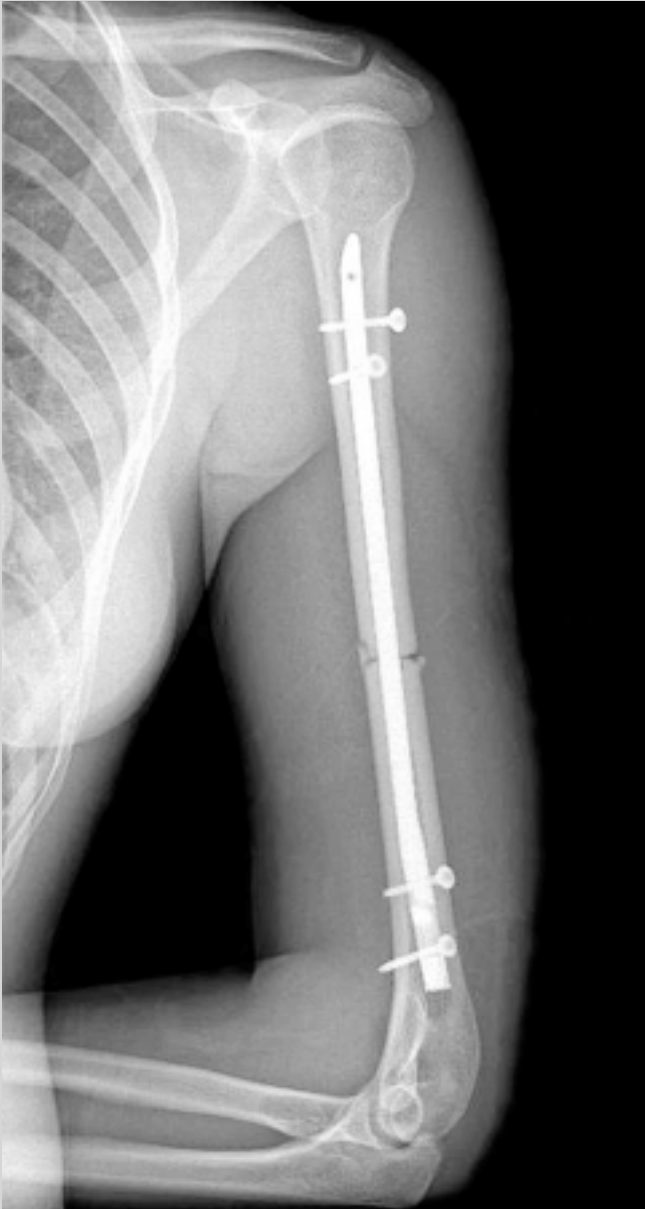
Combining intelligent noise reduction, harmonization and edge enhancement, DiamondView delivers better detail contrast in bones, skin and soft tissue, for more sharpness, and improved noise suppression.



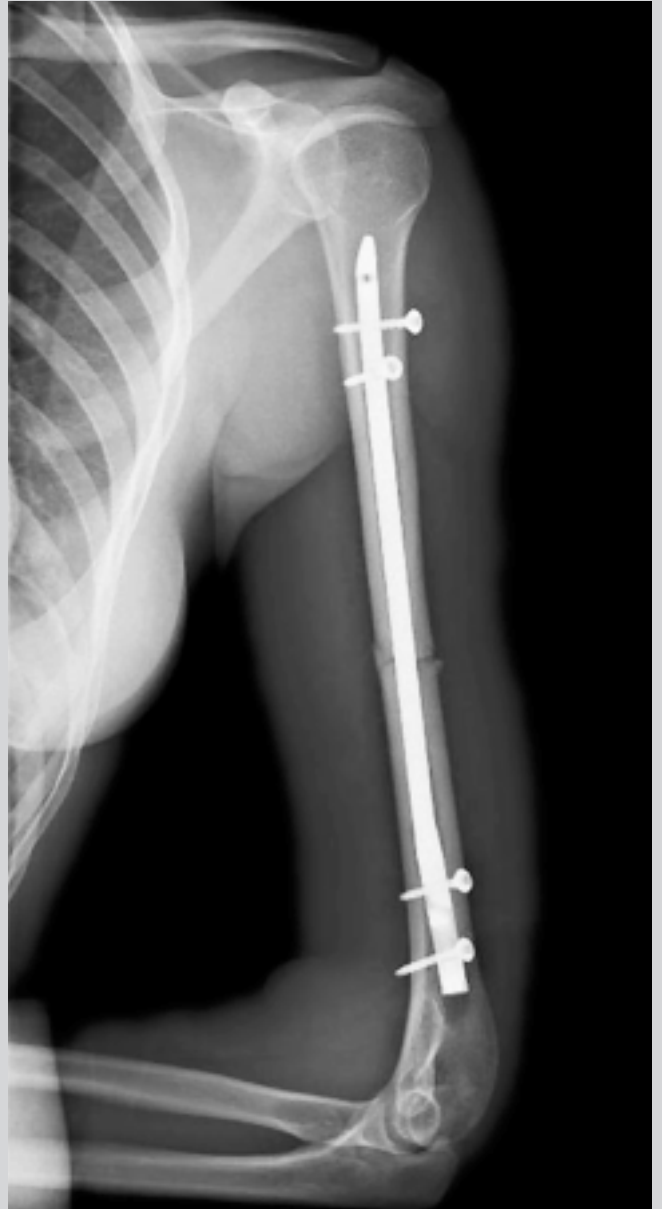
Thorax

\* Option

With Diamond View



Standard



*Diamond View yields more sharpness without forcing overshoot artifacts at metal implants*

Pelvis



**“The image quality of the AXIOM Aristos FX with the flat detector is top-notch.”**

*Dr. Johannes Scheibe, M.D., Director of the Diagnostic Radiology and Radiation Treatment, St. Georg Hospital, Leipzig, Germany*

**“ Siemens gives us the impression that radiation dose is a strong focal point during the research and development phase. The reduction in dose was an additional criterion in selecting a system from Siemens for pediatric radiology. ”**

*Corliss J. Panis, BA, RT (R), Administrative Director – Department of Radiology  
Children’s Mercy Hospital and Clinics, Kansas City, Missouri, USA*



*Cervical spine, a - p.*

**“Digital imaging is making a big difference in the trauma department; the immediate availability of the images is essential. In case of multiple trauma, it allows us to intervene directly and decide right away which image to take next. This is important for a quick diagnosis and the start of treatment. ”**

*Dr. Johannes Scheibe, M.D., Director of the Diagnostic  
Radiology and Radiation Treatment, St. Georg Hospital, Leipzig, Germany*



Foot lateral



Wrist

# Integrated FD technology – Greater potential for lower dose

AXIOM Aristos reduces dose up to 50%\* or more over conventional film/screen systems. Removing the grid also reduces the dose by as much as 75%\* – particularly important in pediatrics.

## Optimal settings – intelligent organ programs

Enabled by *syngo*, once an organ program is selected, optimal parameters for the generator, imaging system, and collimator are selected automatically. This includes CAREFILTER, the intelligent movement of Cu filters. The combination delivers an improved image quality while reducing dose.

## 20% higher transparency – Siemens grid

In comparison with conventional grids, the Siemens grid has an impressive radiation transparency – up to 20% higher\*. Which means lower dose for the patient.

## Area dose product – Integrated measurement

CAREMAX\*\* measures the area dose product for each exposure. Integrated into the collimator, it eliminates the hassle when using accessories.



Better patient access and easy extremity positioning with our "pull out" flat detector

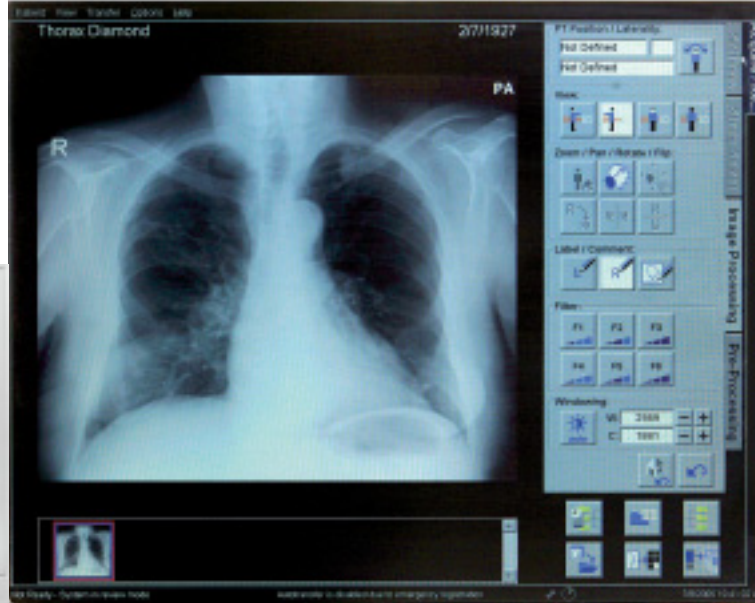


Comfort and convenience delivered with our patient ID display

\* Results may vary. Data on file.

\*\* Option

Cu filter selection displayed on the collimator.



Intuitive image post processing with syngo



# syngo and DICOM – networked for success

AXIOM Aristos is the future: the system blends seamlessly into the existing hospital environment and speaks the new software language – *syngo*.

### Results are just a click away

Integrated into the DICOM network, AXIOM Aristos will provide you with the freedom to communicate throughout the hospital and beyond. Whether filming, sending data, or performing teleradiology, all tasks can be performed – quickly and efficiently.

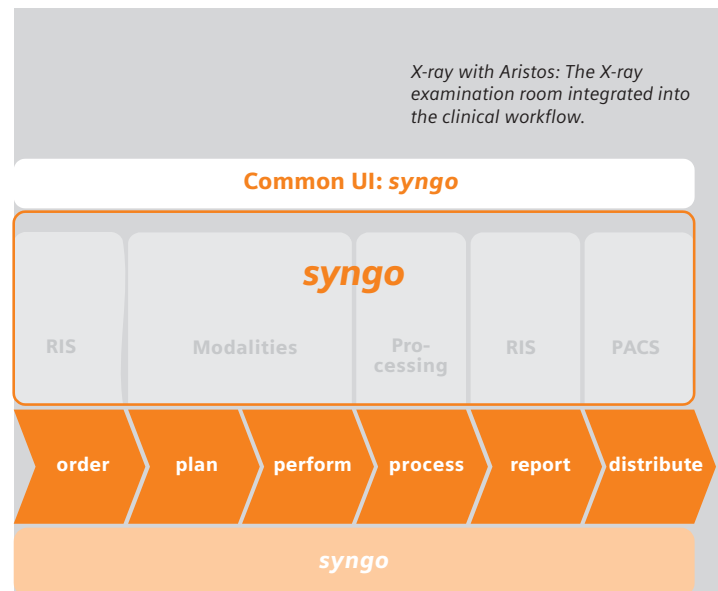
### Automatic image distribution

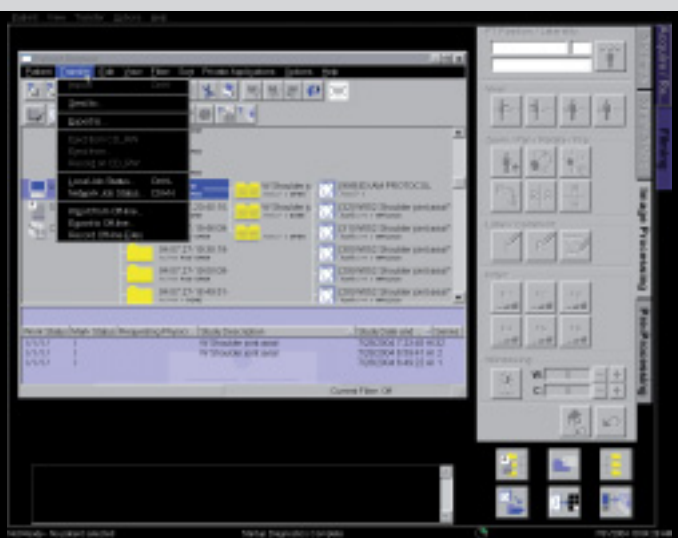
*syngo* provides flexible destination settings, allowing you to define a distribution that best suits your workflow. Time savings are achieved with this totally automatic convenient solution.

### *syngo*. It's all about you.

*syngo*, our unique solution for the diagnostic and therapeutic cycles, knows how you work. What you need. What's most important. Fast, easy, and intuitive, *syngo* brings together all of the solutions critical to you – and your patients. Uniquely role-based for your workflow, *syngo* completely integrates your day, your department and beyond. Leading to a whole new level of clinical excellence. And partnership you can grow with. It's the beginning of a virtualized, "always on, anywhere" world of healthcare. The time to *syngo* is now.

X-ray with Aristos: The X-ray examination room integrated into the clinical workflow.







The continuous development of your  
skills, productivity, and  
technology



Life is the unique customer care solution that helps you get the most from your investment. From the moment of your purchase, Life surrounds you with an array of programs and support that enables the continuous development of your skills, productivity and technology. Allowing you to broaden your capabilities. Increase profitability. And take patient care to the next level.



We see a way of reducing the number of work steps from 27 to 4 as compared to a conventional radiographic system

A female healthcare professional with dark hair, wearing a white lab coat, is focused on attending to a patient lying on a gurney. The patient is wearing a blue hospital gown with yellow accents. The background is a blurred clinical setting with a grey ceiling.

**Proven Outcomes.** This is what Siemens is helping to deliver right now. Outcomes that result from truly efficient workflow. Outcomes that improve your bottom line. Outcomes that lead to a level of care that feels exceptional to the patient and the care provider. Proof positive of the value of integrating medical technology, IT, management consulting and services. In a way that only Siemens can.

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