



# AXIOM Luminos TF with mobile Flat Detector

One digital system for fluoroscopy and radiography  
from pediatrics to bariatrics

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## AXIOM Luminos TF with mobile Flat Detector\*

What versatility in the fluoroscopy suite was meant to be

**AXIOM Luminos TF is a top-of-the-line fluoroscopy system designed for the complete spectrum of patient profiles from pediatrics to bariatrics. With its highly robust table and open design, the system lets you easily conduct tableside-controlled examinations on large patients weighing up to 600 lbs.**

**Remarkably convenient and efficient to handle, AXIOM Luminos TF can integrate flexibility and simplicity into your workflow. When combined with the mobile Flat Detector\* (mFD), AXIOM Luminos TF even doubles as a digital radiography system.**

\* Option



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Luminos TP

# Accommodating virtually all patients

Featuring an exceptionally robust table, AXIOM Luminos TF allows you to easily conduct examinations on both pediatric and bariatric patients – quickly and comfortably.

## **Fully dynamic table movements at 500 lbs**

The table supports full dynamic tilt functionality and 8-way tabletop movement for patients weighing up to 500 lbs, also providing easy access for bariatric patients. In static mode, the table can even accommodate patients weighing up to 600 lbs.

## **Generous architecture**

With its open design, AXIOM Luminos TF enables convenient patient movement during examinations. The distance between table and digital imaging tower measures a spacious 21¾" for comfortable repositioning of larger patients.

## **High performance for uninterrupted workflow**

The system is equipped with a powerful and robust X-ray tube to enable high tissue penetration for imaging bariatric patients. Siemens tube technology allows for successive exposures of larger patients without delays caused by X-ray tube overheating.

**“As the obesity epidemic in this country continues, our need for fluoroscopy systems that can handle larger patients increases. The new AXIOM Luminos TF will allow physicians to image larger patients who might otherwise be turned away or forced to stand for a study because of their weight.”**

**Mary Ann Turner, MD, Professor and Director,  
Gastrointestinal Radiology, VCU Medical Center/  
Medical College of Virginia**



With its open architecture, AXIOM Luminos TF enables comfortable repositioning of larger patients



Featuring a wide tabletop and dynamic weight load of up to 500 lbs (230 kg), AXIOM Luminos TF can accommodate patients of virtually all sizes

# Convenient and multi-faceted

Working with AXIOM Luminos TF is remarkably convenient and efficient. The operator controls are within easy reach during the procedure. Equipped with the mobile Flat Detector\* (mFD), AXIOM Luminos TF can also be used as a fully digital radiography system.

### Tableside user interface

To save time, the tableside user interface showcases a bilateral set of key operating functions such as generator, imaging and fluoroscopy parameters directly by your side – for easy access of these controls.

### Easy single-handed operation

Positioning the digital imaging tower with the ergonomically shaped, freely rotating OPTI Grip handle is quick and easy for both right- and left-handed users.

### No need to leave the patient

Located within easy reach, the OPTI Touch display provides continuous updates of all examination parameters, and features a touch screen, allowing you to conveniently select organ programs and control radiographic parameters.

\* Option

The integrated OPTI Grip of AXIOM Luminos TF lets you handle the digital imaging tower with greater comfort and maneuverability

Right- or left-hand operation – it is up to you

### Twice the utilization with the mFD

AXIOM Luminos TF can also be expanded with the mFD\*, a ceiling-mounted tube\* and Bucky wall stand\* and used as a fully digital radiography solution. You thereby expand the utilization of your fluoroscopy room.

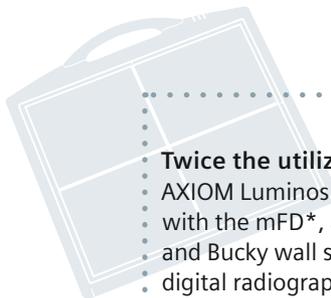
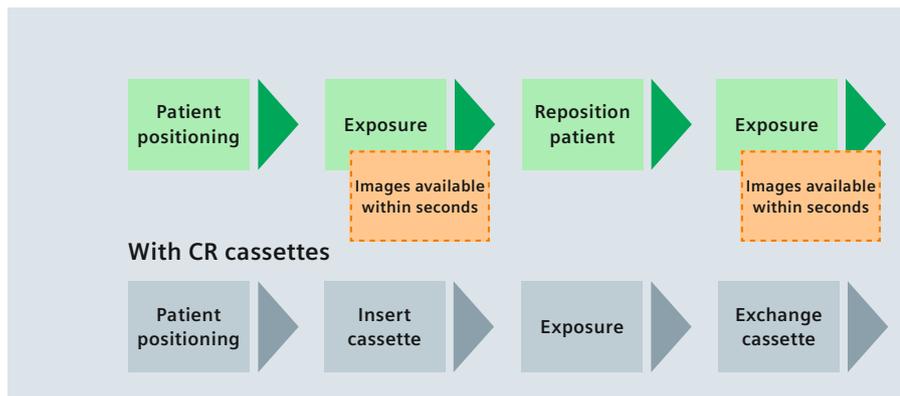
### Fully digital workflow

Data transfer and archiving within HIS, RIS and PACS networks is simple and easy. Images are available within seconds for review, saving you lots of time and space. No more film or CR cassette handling!

### All images in one patient folder

Digitally acquired radiographic and fluoroscopic images can all be placed in a single patient folder. No more image merging on the PACS network!

\* Option





System operating functions can be performed on the OPTI Touch display, conveniently located just beneath the live fluoroscopy monitor

AXIOM Luminos TF places key system operating functions within easy reach

Compared to CR cassettes, working with the mFD is faster and requires fewer steps, thereby enabling you to further increase your patient throughput.





# The elements of accurate and efficient diagnoses

AXIOM Luminos TF delivers fluoroscopic images of outstanding quality to support your diagnoses. Additional imaging functions further enhance your imaging capabilities.

**Accelerated image data management**  
FLUOROSPOT Compact, a high-resolution digital imaging system, enables single and serial acquisitions in a 1k x 1k matrix for dynamic review. Advanced post-processing functionalities are also available to further enhance image quality – all on one imaging station.

**Improved detail transparency with DDO\* and SDM**  
With DDO\* (Dynamic Density Optimization), images with high density contrast are adjusted to provide greater harmonization and detail recognition. SDM (Selective Dominant Measurement) helps to further optimize exposure quality, even when the region of interest is not at the center, thereby helping to reduce retakes.

**Extensive radiation reduction**  
AXIOM Luminos TF incorporates the comprehensive radiation reduction program CARE, which is designed to provide exposure levels that are as low as reasonably achievable (ALARA) while maintaining a high level of diagnostic image quality.

## The CARE features include:

**CAREMATIC – automatic exposure parameter adjustment**

Automatically calculates and optimizes exposure parameters based on fluoroscopic values

**CAREFILTER – fully motorized copper prefiltration**  
Reduces skin entrance dose by optimizing copper prefiltration selection

**CAREVISION\* – extended pulse frequency reductions**  
Dose savings with lower pulse frequencies of 15, 7.5 and 3 p/s, depending on object and organ movement

**CAREMAX\*\* – dose-area product measuring device**  
Chamber integrated into the collimator for dose measurement and monitoring

**CAREPROFILE\* – radiation-free collimation**  
Radiation-free collimator positioning using the graphic markings on the last image hold (LIH)

**CAREPOSITION\* – dose-free patient positioning**  
Quick, precise patient positioning without the use of additional radiation

**Fluoro Loop\* – fluoroscopy sequence storage**  
Dose-saving diagnoses (e.g. for pediatrics) using stored fluoroscopy sequences instead of serial acquisitions

\* Option

\*\* Standard with fluoroscopy table tube, optional with ceiling-mounted tube

# Doubling as a digital radiography system



When you combine AXIOM Luminos TF with the mFD\*, you also have a fully digital radiography solution. A fast, efficient and user-friendly solution, extremely flexible in its utilization possibilities.

### Freely positioned just like a cassette

Mobile and easy to handle, the mFD is quickly positioned wherever it's needed. The 14" x 17" detector (35 cm x 43 cm) provides excellent coverage. Use it in the Bucky tray of the table or the wall stand; also for free exposures such as standing feet, lateral projections or patients in wheelchairs. The mFD offers you many imaging options – all with a single detector.

### High detail recognition for accurate diagnoses

Its high-resolution images are available for review within seconds after exposure. If necessary, images can be processed instantly for optimal clarity, thus virtually eliminating the need for retakes. Film and CR cassettes are a thing of the past!

### Enhanced versatility for greater efficiency

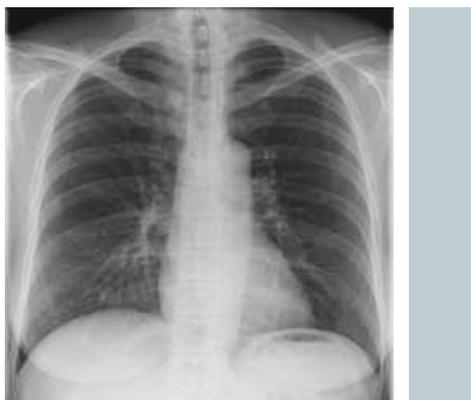
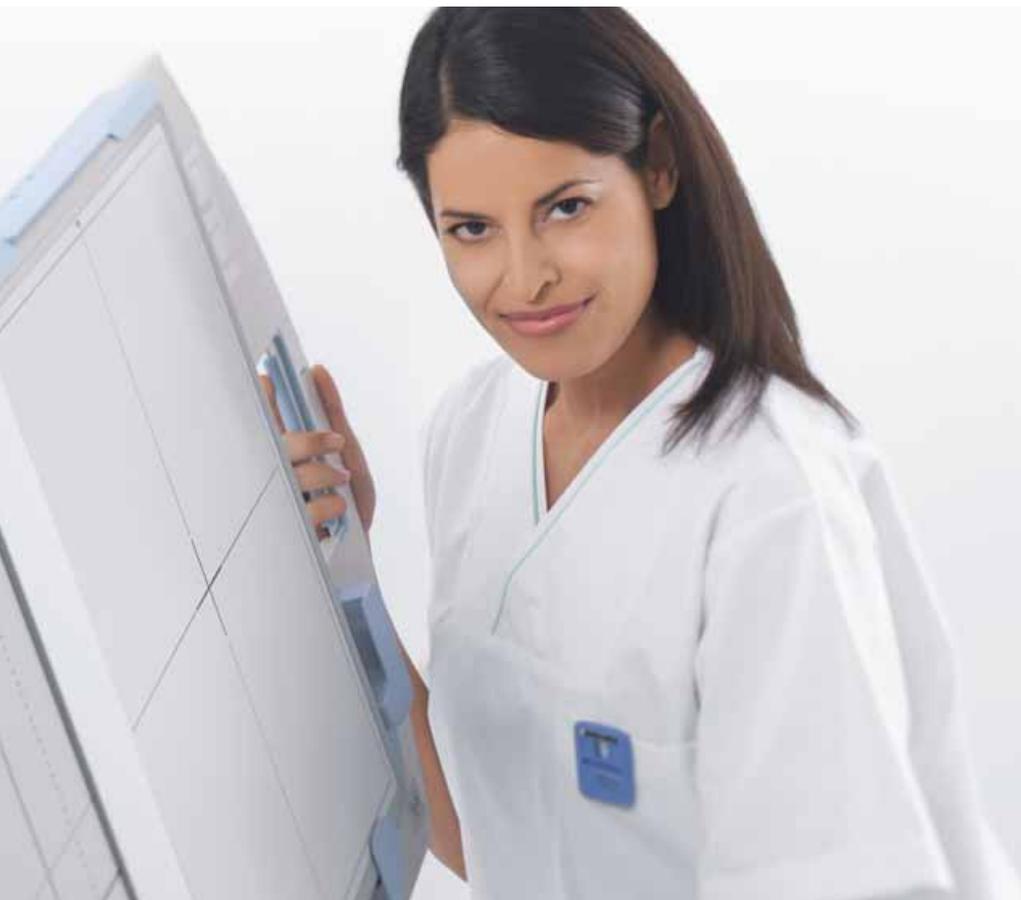
AXIOM Luminos TF with the mFD not only expands your system capabilities, but also your fluoroscopy room utilization – thereby further improving your workflow efficiency.

\* Option

The mFD delivers high-resolution images within seconds



Position the mFD wherever you need it – quickly and easily



# Planning for your future with a strong foundation

Tremendously handy and flexible, the mFD is as comfortable for patients as it is convenient for staff

A broadening examinations range, increasingly diversified patient population, more and more X-ray procedures. Sound familiar? With AXIOM Luminos TF, you can actively engage your evolving R/F imaging needs – helping you to realize solid profits faster.

### Growing with your development

AXIOM Luminos TF is a forward-thinking fluoroscopy solution. Its virtually limitless applications range can be adapted to your changing needs, including interventional procedures with DSA functions\*.

Combined with the 3D TOP ceiling-mounted tube\* and Bucky wall stand\*, the system becomes a flexible universal radiography solution, letting you perform X-ray and fluoroscopy procedures in the same room, including tomography\*.

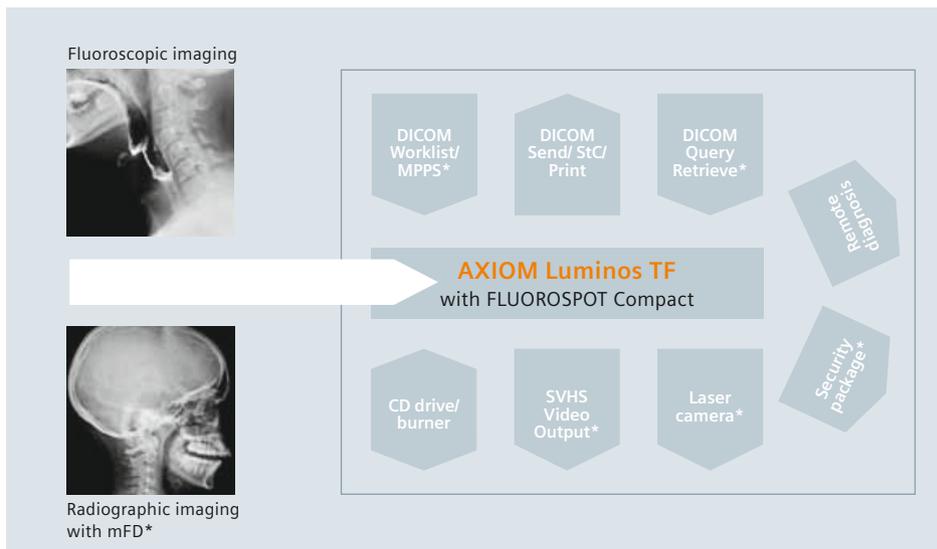
### The future is digital

Digital images acquired with the mFD\* are available in seconds and eliminate time-consuming steps such as cassette handling. A fast, smooth and versatile X-ray workflow: AXIOM Luminos TF with mFD\* offers you a whole new level of patient throughput and capacity utilization.

### Data flow from registration to archiving

Incorporating standard DICOM 3.0 interfaces, AXIOM Luminos TF enables optimized networking in the hospital environment, greatly enhancing patient data flow from registration to archiving.

\* Option



AXIOM Luminos TF enables optimized integration into the hospital network

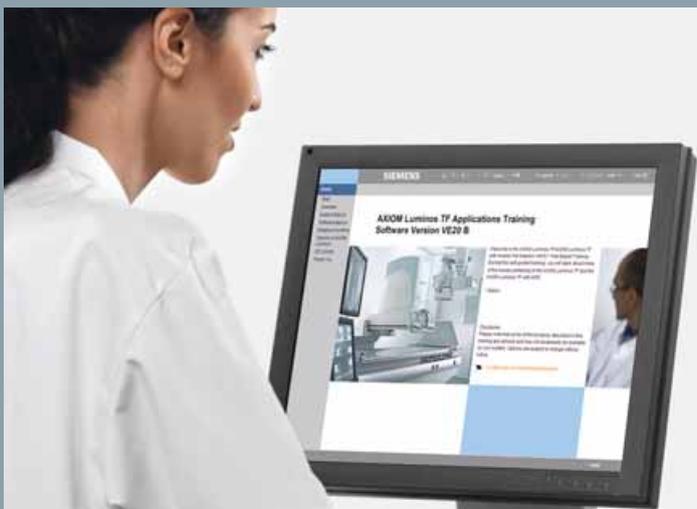


Extended capabilities with the 3D TOP ceiling-suspended tube and mFD\* for tomography and digital radiography

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# AXIOM Luminos TF with mobile Flat Detector\*



One digital system for  
fluoroscopy and radiography  
from pediatrics to bariatrics

## Enhanced Workflow

- For patients up to 600 lbs
- More space to accommodate large patients
- Easy, convenient single-handed operation with OPTI Grip handle
- Fully digital workflow with mFD\*

## Imaging Excellence

- High-resolution digital imaging system
- Contrast enhancement of critical regions
- Comprehensive dose reduction options
- Digital radiography with mFD\*

## Investment Confidence

- Flexible system configurations
- Optimized integration into clinical network
- Efficient system utilization with mFD\*
- Unique customer care program: Life

\* Option

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