AXIOM Multix M family

Flexible digital solutions for universal radiography

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AXIOM Multix M family

Extraordinary imaging flexibility for universal applications in digital radiography – handy, versatile, easy to use. That’s AXIOM Multix M. Whether for general purpose or dedicated radiographic applications, the integration of a mobile Flat Detector (mFD) in AXIOM Multix M provides a fully digital answer in four system variations – addressing the complete imaging spectrum.

AXIOM Multix MP
Equipped with a floor-mounted tube stand, it is well suited for clinical requirements of imaging centers, especially with its easy installation.

AXIOM Multix MT
A ceiling-suspended X-ray tube adds versatility to cover a vast scope of general radiographic examinations for varying patient conditions.

Vertix Solitaire M
A combination of ceiling-mounted X-ray tube and mobile Flat Detector that offers excellent patient access and system maneuverability.

AXIOM Vertix MD Trauma
The ceiling-mounted U-arm design delivers the high flexibility required in emergency imaging units.
A broad spectrum of radiography

AXIOM Multix M comprises one of the most flexible digital radiography portfolios. Whether for chest, trauma or general imaging, AXIOM Multix M has just the right system for you: AXIOM Multix MP, AXIOM Multix MT, Vertix Solitaire M and AXIOM Vertix MD Trauma. What all family members have in common is the mobile Flat Detector (mFD).

Chest imaging

A speedy workflow and high patient throughput are key system criteria for chest imaging facilities. The Bucky wall stand can be combined with all AXIOM Multix M system variations: an excellent choice for upright chest examinations.

General imaging

The vast majority of X-ray examinations call for a system that is flexible, reliable, convenient and fast. Both the floor-mounted AXIOM Multix MP and the ceiling-mounted AXIOM Multix MT are ideally suited for the broad range of clinical requirements.
Flexible but precise detector positioning is crucial for trauma imaging.

**Trauma imaging**

Systems used in trauma imaging must be able to provide fast, flexible but precise detector positioning as well as maximum patient comfort. Both Vertix Solitaire M and AXIOM Vertix MD Trauma were specifically designed for the trauma environment.
Extraordinary detector positioning and usability

Offering tremendous positioning flexibility and utilization versatility, AXIOM Multix M readily and conveniently accommodates virtually all types of radiographic examinations and patient conditions.

Comfortable positioning
The mFD is particularly handy for examinations on immobile patients. With chair and trolley examinations, for example, the slim detector can be easily positioned beneath the region of interest with minimum discomfort to the patient.

Digital with a conventional feel
Working with the mFD is much like working with a conventional cassette – with one major difference. The mobile Flat Detector integrates all of the advantages of digital imaging.
Enhanced Workflow

Off-centered positioning for enhanced comfort

Transfer-free exams on stretcher - or wheelchair-bound patients

Flexible tube and mFD positioning for cross-table exposures

Highly flexible mFD positioning for extremity work
Enhanced Workflow

Tidy cable management
A cable protector limits winding along the entire length. Adjustable magnets provide additional safety by helping to minimize cable clutter on the floor as well as wear and tear.

The minimum table height of 60 cm is convenient for patient positioning.
Making examinations a more pleasant experience

AXIOM Multix M incorporates many ergonomic and workflow features designed to improve the examination experience for patients and medical staff alike.

A table built for comfort
Featuring a height-adjustable table, AXIOM Multix MP and AXIOM Multix MT also offers excellent patient access. This provides added comfort for patients. Also, medical staff is subjected to less back stress, particularly when performing examinations on children and elderly patients.

Foot switches
The recessed foot switches at the base of the table enable convenient system handling. What’s more, they further enhance system control by preventing accidental operation.

Adjustable magnets prevent the cable from getting in the way

The foot switches are easy to operate and out of the way of patient movement
Great coverage and patient care

The mobile Flat Detector features a large active imaging area of 35 cm x 43 cm that provides excellent coverage – both in landscape and portrait format.
**Keeping dose low**
AXIOM Multix M incorporates a number of dose-saving features, such as interchangeable copper filters designed to significantly reduce skin dose. It features a high transparency grid that can be removed during extremity and pediatric examinations for further dose reduction.

**Bidirectional detector insert**
The detector can be inserted from the front or the rear of the table – a great solution to keep the cable from coming into contact with the patient.

**Collimation memory**
A memory function enables optimal reproducibility using the last collimation size.

**Extensive coverage for orthopedics**
X-ray tube and Bucky wall stand offer excellent coverage for standing examinations ranging from cervical spine to lower leg scans in orthopedics.
Intelligent detector integration

The full integration of the detector brings with it simple and fast setup for acquisition, automated image processing and consistent dose documentation.

Actual exposure parameters are automatically reported back to the imaging station.
Integrated, simplified workflow
Predefined organ programs automatically select appropriate generator and image processing parameters. Exposure values such as kilovolts and IONTOMAT chamber selection are automatically transferred from the imaging station to the generator.

Automatic dose management
Following the examination, actual exposure parameters such as mAs and dose area product (DAP) are then automatically transferred back to the imaging station to be stored with the image. Supporting full DICOM services, automatic dose documentation can even be extended to clinical information systems.

Optimum image display
Customized, organ-specific image processing algorithms are designed to provide optimum image presentation. Digital adaptation of the gray value range, for example, enhances detail contrast of small structures. Density differences are compensated to allow for extended soft tissue display. All parameters are automatically set for the specific organ program for added convenience. AXIOM Multix M can also be optionally combined with a 19” (48 cm) black and white monitor* to support diagnostic reviews from a workplace console.

Monitoring of rejected images
The wide dynamic range of the mFD compensates for over- and underexposures, resulting in fewer retakes. In case of a necessary image retake, the rejected image is documented and statistically evaluated by the integrated Clinical Assurance Program (CAP).

* Option
**Investment Confidence**

**Damage prevention**
Intelligent guidance features of the Bucky tray help to prevent damage to the cable. A collision protection function* is designed to prevent damage to the tabletop and costly repairs.

**Standard accessories**
AXIOM Multix M comes with several standard system accessories, such as a clip-on grid and a lateral detector holder for AXIOM Multix MP/MT.

**Cassette imaging**
If desired, the Bucky tray can be quickly converted for screen film or CR cassette imaging.

**Detector upgrade**
Installed analog Multix Pro or Multix Top systems can be upgraded with the mobile Flat Detector, combining the advantages of cassette-like image receptor handling and digital flat detector technology. The detector upgrade package includes a PC workstation and monitor.

* Option
Savings across the entire life cycle

AXIOM Multix M stands for multiple savings over the entire life cycle of the system – time, material and costs and other savings.

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Time adds up
As a digital imaging system, AXIOM Multix M delivers high-resolution images almost instantaneously. Gone are the days of cassette handling. The detector integration also reduces the number of work steps, leading to significant time savings.

The mFD difference
Working with the mobile Flat Detector offers numerous advantages over cassette- and CR-based systems*, including:

- Fewer work steps
- Increased examination capacity and shorter throughput times
- Overall cost savings through reduced consumables, labor and fixed overheads
- Significant reduction of patient waiting times
- Lower costs for archiving

* Results may vary.

Results may vary. Data on file.
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Using the same extensive quality assurance measures as for factory-new components, we guarantee the quality of these recycled components.

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