



Fluoroscans® Insight-FD Mini C-arm System

Redefining Mini C-arm Technology



FLUOROSCAN[®] 
InSight-FD

HOLOGIC[®]

The Next Generation in Mini C-arm Imaging

The FluorSCAN® Insight-FD mini C-arm system defines the versatility of imaging capabilities needed within your surgical suite, regardless of how challenging the extremity procedure may be. The result: Smart engineering that translates into functionally strong, user-friendly, and time-efficient features.



Performance-driven and State-of-the-art Flat Detector Technology

Industry performance enhancements include:

- **New flat detector technology**
 - Offers a streamlined thin profile for improved workspace access.
 - Exclusive rotating detector and collimator enhance surgical area positioning.
 - Dual mode flat detector with full field and magnified centered square field of view.
 - High resolution detector offers superb image quality with dose optimization for clear anatomical visualization.
- **New C-arm design for improved ergonomics.**
 - New C-arm designed with forward tube source offers unmatched arch depth for greater flexibility.
 - Full 120° range of motion, both forward and back, provides exceptional maneuverability and flexibility.
 - Flat surface beneath the detector allows for efficient table-top positioning.



**Flat detector rotation is
an industry exclusive from Hologic.**



20" (50.6 cm) arch depth
& thin profile for table-top positioning.

FLUOROSCAN®
InSight-FD

Image Quality to Rival Standard X-ray

The Fluoroscanner® InSight-FD system's sharp, high quality images allow for instant clinical confidence right in the procedure or operating room. The new flat detector and image processing algorithms deliver superb, distortion-free images and the system's touch-screen controls offer effortless image adjustment and rotation for clear and accurate visualization.



Multi-function
wireless foot pedal.
Safe & convenient.

Image Gallery



Efficiency Rolled into a Compact Extremity System



Versatility to perform your extremity procedures

- HD touch-screen monitor with finger touch rotation and easy to understand command buttons.
- Adjustment-free imaging with automatic exposure as well as motion and metal detection.
- Tilt and swivel capabilities to orient the monitor for best viewing.



User-friendly controls right where you need them

- Convenient handle and tube-head controls for fine tuning when needed.
- Laser alignment light to help guide the imaging to the precise and appropriate location.
- Single press X-ray exposure right at your fingertips.



Convenient mobility and flexibility

- The Fluoroscanner® InSight-FD mini C-arm system is lightweight and can be easily moved from room to room.
- The system folds into a tight mobile package for quick and efficient storage.
- Full range of motion provides improved maneuverability and positioning.

Fluoroscanner® InSight-FD Mini C-arm

1 Image quality to rival standard X-ray

- New image processing algorithms deliver superb distortion-free image quality.
- System allows larger anatomy imaging with dose optimization.
- Automatic imaging with dose optimization for all extremity imaging.

2 Better workflow and improved productivity

- Adjustment-free imaging with automatic motion and metal detection.
- User-friendly sterile field controls to meet surgeon needs.
- Touch-screen interface with easy-to-understand controls; swivel & tilt capable.
- Customizable imaging parameters for surgeon-specific preferences.

3 Peripherals and options to support each customer

- Wireless or wired multi-functional foot pedal.
- Wireless or wired network connectivity.
- DICOM 3.0 compliant (send, store, print & worklist).
- Multiple printer options that neatly fit into the base cabinet.
- USB and DVD export in standard industry formats.

4 Hologic offers expertise, stability and long-term investment support

- Nationwide 24 hour on-site customer support to protect your investment.
- Factory trained support personnel located across the country.
- Scope, stability and backing of a large customer-focused company.



Exclusive rotating detector and user-friendly sterile field controls meet surgeons' needs.



Flat detector sweet spot insures the anatomy of interest is always within the field of view.

**Hologic is committed to addressing the continuum
of skeletal health care, from the OR to in-office imaging.**

Just as we are leading the way in women's health imaging
solutions, we are raising the bar in skeletal health imaging.

EXTREMITY MRI | EXTREMITY C-ARM IMAGING | BONE HEALTH



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Fluoroscans® InSight-FD

Mini C-arm System



The Next Generation in Mini C-arm Imaging

The new Fluoroscans® InSight-FD mini C-arm system with flat detector technology offers thin profile and improved workspace access while providing ease of positioning for a more comfortable patient experience.

Designed specifically for orthopedic and other extremity surgeons, the new Fluoroscans InSight-FD features an exclusive rotating detector* and collimator to improve surgical area positioning, making it the perfect device for today's busy surgeon.

Its new ergonomic C-arm design and forward tube source offer unmatched arch depth for greater flexibility and the system's full 120 degrees range of motion, both forward and back, provides improved maneuverability and precision.



**Patent pending*

Product Specifications

X-ray Source

Grounded Anode X-ray Tube
7.5 W High Frequency
Maximum Output: 0.1 mA @75 kVp
Focal Spot Size: 0.045 mm
Tube kVp Range: 40 to 75 kVp (max)
Beam Current: 0.020 to 0.100 mA

Image Receptor

CMOS Flat Detector
Dual Mode - Full and Limited
75 Micron Pixel Array
2k x 1.5k Resolution
- Full Field: 5.7" x 4.5" (14.5 x 11.5 cm)
- Limited Field: 4.4" Square (11 cm)
- Limited Field: Reduced Dose Mode

Detector Rotation*

Full +/- 90 Degree Rotation
Auto Tracking Collimation

Touch-Screen Monitor

HD 1600 x 1200 Display
20" LCD Flat Panel
Extendable with 350° Swivel
Digital DICOM Compliant

Monitor Image

16 bit Image Processing
1k x 1k

Power Failure Protection

Images Software Protected

X-ray Control Modes

Auto IQ Mode
Auto Mode
Manual Mode

C-arm

Depth: 20" (50.6 cm)
Free Space: 14" (36 cm)
Orbital Rotation: 120°
Horizontal Travel: 23°
Vertical Travel: 23" (58 cm)
Pivot Rotation: 380°
Panning Motion: 320°

Image Storage

Permanent Hard Drive:
8,000 Images Capacity

Removable Data Storage

USB Port
CD/DVD-RAM Drive

Operating System

Microsoft® Windows XP

Image Acquisition

30 Frames/sec (max)
Cine Video Recording

Imaging Modes

Snapshot - Single Shot
Continuous - Fluoroscopy
Digital Recorded Fluoro (Cine)
Frame Averaging:
- Ultra/Auto
- High/Med/ Low/ Off
- Selectable & Configurable

Radiation Report

DAP (Dose Area Product)
Paper Print and DICOM Send

Laser Alignment Light

On-off or 60 sec Timed
IEC Class 1C

Imaging Features

Automated Image Processing
Auto Real-Time Noise Reduction
Auto Edge Enhancement
Auto-Dose Control
Magnify-Zoom-Pan
Brightness/Contrast Control
Physician Preference Configurable

Footswitch Options

Wired Triple Function Footswitch
Wireless Triple Function Infrared
Configurable Save/Tag

Printer Option

Small Format Thermal Printer
Large B/W Hybrid Graphic Printer
Multi-format Prints

DICOM Option

Modality Worklist
Print
Store
Storage Commitment

Connectivity

Ethernet Wired
Wireless (Optional)

Dimensions

H: 66" (168 cm)
W: 28" (71 cm)
D: 32" (81 cm)

Space Allocation

5' x 6.6' (1.5 m x 2 m)
Door Size: 30" Minimum

Power Requirements

100, 120, 220, 240 VAC Selectable
50/60 Hz Input; 750 W (max)

**Patent pending*

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