

# 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