
Essentia FS

Digital Radiography Floor Mounted System



**NEVER
STOP**

Essentia FS

Digital Radiographic Floor Stand System

Essentia FS is a feature rich digital radiography room solution with a space saving design. The standard configuration includes a generator, floor mounted tube stand, chest stand and table. The system features an advanced user-friendly 10" touchscreen for streamlined controls at the patient side. The graphic interface displays tube angulation, SID, automated tube tracking and more. Complimented with a range of advanced safety and workflow features, Essentia FS is a high performance x-ray system with unparalleled price-performance ratio.



10" Intuitive Touchscreen

- Preset source to image distance (SID) with Auto Tube Tracking.
- Real time display of SID and tube angulation.
- Controls for exam parameters at the patient side, ease patient comfort and technologist workflow.



Premium Wall Stand

- Light, easy positioning with motorized, counter balanced controls and electromagnetic locks.
- Convenient hand grips optimize safe and steady patient positioning.



System Highlights



**Auto Sync
Tracking with
Wall & Table
Bucky's**



**Rotational
Column**



**6-way Elevating
Float Top Table**



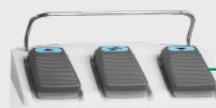
**Rotating
Detector Trays**



 **AEC Optional**

 **Emergency Stop**

Essentia FS



**Wireless
Foot Switch**

Effortless positioning

System versatility and motorized auto-tracking enables exam positioning flexibility.

Motorized Elevating Table Specifications

- Elevation Height: 21.5 - 33.5 in.
- Tabletop dimensions: 32 x 86.5 in.
- Patient Weight Capacity: 550 lbs.
- Wireless foot switch controls



Graphic Interface & Controls

10" Touchscreen





FDX Console with Dynamic Visualization

System integrates with our latest technologist workstation and advanced digital image processing with simplified and customizable user interface. Allows exams to be completed in as few as 2 or 3 mouse clicks. Featuring a large touchscreen display and available secondary 2 megapixel display (option).

Provides immediate image previews, image manipulation, and secure reliable network connectivity. Also features SpeedLink integration which automates technique parameters to exam menus, to simplify adherence to site preferences and optimal dose lowering techniques.

IHE EI/DI exposure and deviation index and retake analysis functionality also included; along with IHE RDSR radiation dose structured reporting compatibility.



Fujifilm DR Detectors

FDR D-EVO III, FDR ES and SE Lite detectors (options) – system is designed for easy integration with any of Fujifilm's lightweight, durable DR detectors. The standard 14x17" size is a natural fit for the rotating tray in the table or upright as well as free positioning and tabletop exams. A tray adapter for 17x17" detector use can be installed in the upright or table bucky during initial service installation. Smaller 10x12" or 24x30cm detectors are also available for free positioning of smaller anatomy.

All detectors models feature Fujifilm's Patented ISS for low dose, low noise and exceptional image quality. Fujifilm's latest FDR D-EVO III features a revolutionary glass-free design which maximizes durability and performance and makes them extremely lightweight.

Configurations

- System sold as a complete radiographic suite with chest stand, table, generator and tube stand configurations
- 14x17" rotating bucky trays in both table and upright. 17x17" bucky tray adapter can be installed at initial installation
- Automatic motorized tube tracking to table and upright detector height
- 40, 50 or 65 kW generators, 40 kW single phase and 50 kW w/200 kHu or 300 kHu; 65kW w/300 kHu tube (options)
- Manual collimator
- Right or left opening non-tilting wall stand
- Table top detector holder for cross table exams (option)
- Single or multiple flat panel detector workflow (option)



Standard console

Essentia FS Specifications

Generators and X-ray Tubes	
Generators with 3-point Control Console	40 kW single-phase, 230 VAC, 500 mA
	50 kW 3-phase, 230 VAC, 630 mA
	50 kW 3-phase, 480 VAC, 630 mA
	65 kW 3-phase, 480 VAC, 800 mA
X-ray Tubes with focal spot	200 kHu tube (w/40 or 50 kW gen)
	300 kHu tube (w/ 40, 50 or 65 kW gen)
Floor Mounted Tube Stand	
10" Display with color touchscreen on the tube housing	
Workflow is enhanced through direct manipulation of examination parameters listed below	
-SID (Source-image distance) measurement	
-Display angle of tube rotation	
Manual Movement	Vertical/longitudinal traveled controlled by electric magnet brake
	Tube rotation : $\pm 135^\circ$
	Tube head telescopic extension: ± 4.7 in. (± 12 cm)
	Column rotation : $\pm 90^\circ$
Travel Range	Vertical (Tube) : 58.7 in. (149 cm)
	Longitudinal (Column) : 100 in. (254 cm)
Power Requirement	24 VDC, 3 A
Bucky Wall Stand	
The stand's rotating bucky tray accommodates a 14x17" detector.	
Bucky tray can be adapted to accommodate a 17x17" detector during service installation.	
Manual Movement	Vertical travel with electromagnetic brake
Vertical travel Range (central beam-floor)	Max : 74 in. (188 cm)
	Min : 15.7 in. (40cm)
Power Requirement	24 VDC, 1 A
6-way Patient table	
The stand's rotating bucky tray accommodates a 14x17" detector.	
Bucky tray can be adapted to accommodate a 17x17" detector during service installation.	
Tabletop Dimensions	90 x 32 in.
Tabletop Travel Range	Left & Right : ± 33.5 in. Forward & Back : ± 7 in.
	Up & down : ± 10 in. tabletop height : min. 21.5 in. ~ max. 31.5 in.
Detector Travel Range	Left & Right 19.5 in.
Max. Patient Weight	550 lbs.
Operation Switch	Wireless Foot Switch
Power Requirement	120~240 VAC, 50/60Hz, 500 VA

