



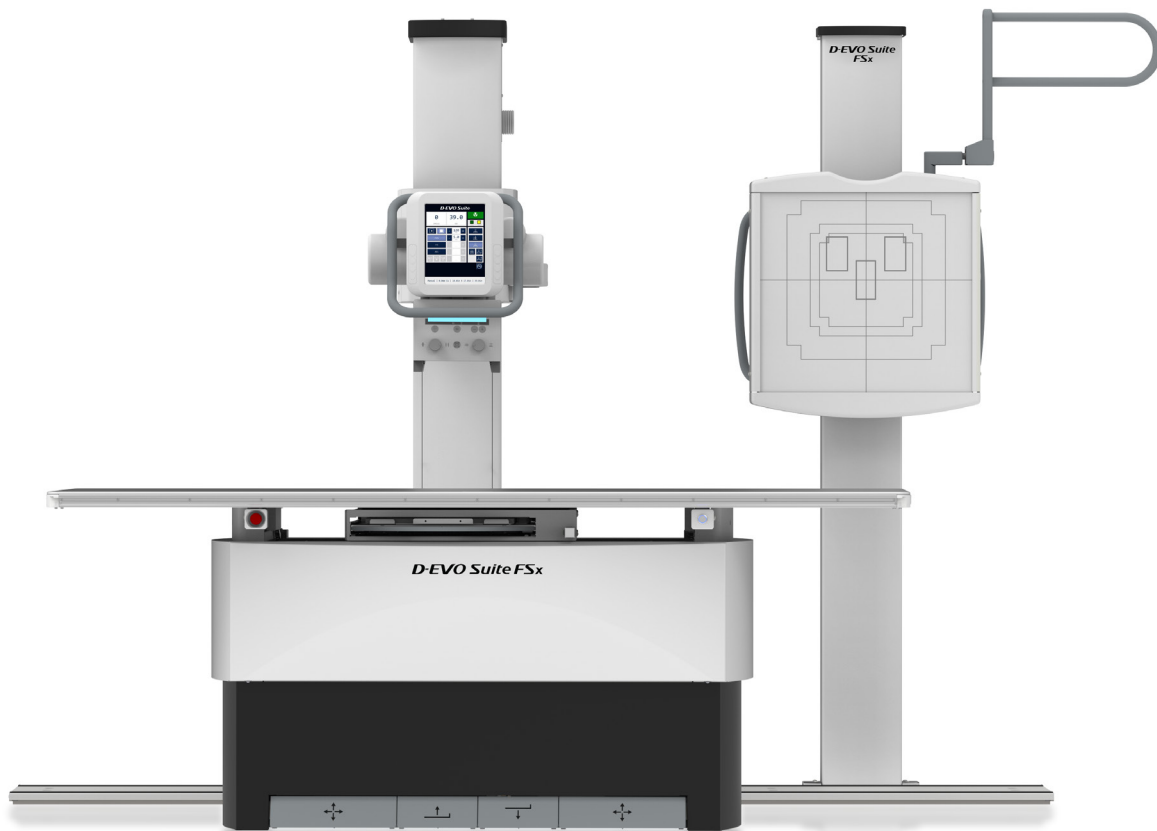
THE  
IMAGING  
SOLUTIONS COMPANY



**FUJIFILM**  
Value from Innovation

# ***D-EVO Suite FSx***

Integrated Digital Radiographic Floor Stand Solution





## Product Highlights

### X-ray tube column features

- Floor-mounted tube column on an independent floor rail
- Standard 10' rail or 12' length optionally available for extended room layout flexibility
- Column and tube head rotation allows flexibility for easy cross table exams
- Telescoping tube arm accommodates off center exams
- Convenient, one-hand all-free XYZ tube head and column travel control
- Adjustable wall stand detent positions for simplified 40 and 72" SID locations



### Touchscreen Tube Head Display Functions:

- Large 10.4" patient side touchscreen controls
- Display control screen rotates 90° for table and upright exams
- Continuous real time display of SID and tube angulation
- Generator setting controls
- Collimation size and filtration
- Directional lock/release buttons
- All-lock release sensor
- System status indication
- AEC controls
- Compact handle design

# D-EVO Suite FSx

## Integrated Digital Radiographic Floor Stand Solution with unlimited possibilities

FUJIFILM Healthcare Americas Corporation is pleased to introduce our latest generation floor mounted digital x-ray room.

D-EVO Suite FSx provides a robust design with features to maximize patient safety, positioning and radiographic exam outcomes. Built to last and perform for imaging centers, orthopedic facilities, urgent care clinics and hospital radiology departments of every volume. The system is fully integrated with Fujifilm's latest FDX Console technologist workstation and lightweight wireless detectors. D-EVO Suite FSx is a fully scalable solution, customizable to meet your budgetary and workflow requirements.

Configurations – full radiographic suite standard system includes generator and floor mounted tube, chest stand and table. Chest stand only, table only and tube stand only configurations are available as well. Other choices include various generator sizes, single hand operation or manual bucky tray, auto or manual collimation.

Vertical Auto-Tracking (optional): Synchronized motorized movement of the tube

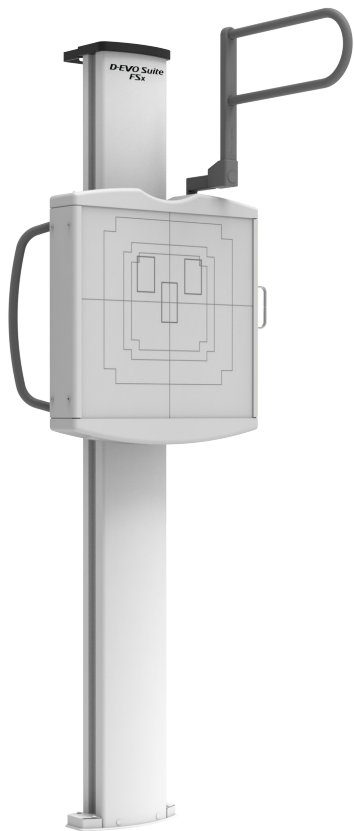
crane's vertical axis maintains precise centering between the x-ray tube and imaging detector.

- Vertical tracking maintains precise SID to wall stand and table height
- Simplifies positioning and eliminates workflow steps.

System features Fujifilm's SpeedLink control software which intelligently automates preferred techniques, collimation field size and built-in filters to optimize dose saving characteristics of our latest DR detector technologies to exam selected. Auto Collimation feature of SpeedLink is not available with manual tube and/or manual collimator options.

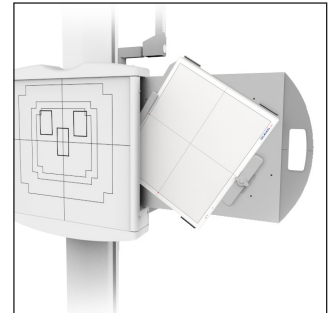
Increase patient satisfaction with low comfortable access to and from the x-ray table during exams. Optimize technologist performance with ergonomic features such as single grip all-free release handle for XYZ tube head movements and a unique swivel grip handle for vertical travel of the chest stand that comfortably angles with your wrist as you raise and lower the bucky.





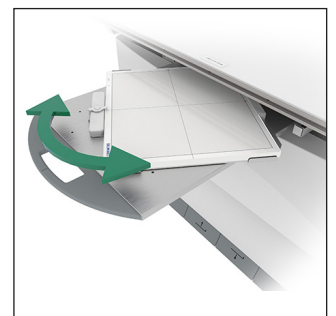
### Wall stand features

- Space-saving non-tilting wall stand
- Built-in stationary grid – 103-line/cm, 10:1, 40-72" FD
- Overhead and side patient hand grips simplify comfort and positioning
- Swivel vertical height control handle angles to flex with technologist wrist as bucky is raised or lowered
- Detector Compatibility – chest and table bucky trays and automated features integrate seamlessly with standard sizes and with Fujifilm's full field sized 17x17" D-EVO detectors (can also be used with CR)
- Rotating non-charging bucky tray (optional)



### Table features

- Motorized elevating table with 4-way floating top built-in stationary grid 103-line/cm, 10:1, 34-44" FD
- Safety toe-switches four-way float and vertical controls. Table edge mounted control handle also included standard
- Heavy duty 800 lb weight capacity built to last
- Large patient area 36" x 85" flat tabletop
- Low 22" minimum height for easier patient access
- Smooth, edge-free tabletop provides fast, easy patient transfer from trauma use
- Rotating non-charging bucky tray (optional)



### System power features

- Automatic or manual collimation provide options for all budgets
- Collimators features LED illumination and laser centering
- SpeedLink – two-way communication between FDX Console and generator, maps techniques and collimation field to exam menus and receives exposure data from generator
- Generator – 40 kW single phase, 50 or 65 kw, 630 mA high frequency CPI generator; 3-phase, 230 vAc or 80 kw, 1000 mA high frequency CPI generator; 3-phase, 480 VAC or 80 kW (480 VAC, 3-phase) falling load output with 3-point control console. High power design provides penetration for larger patients and anatomy with shorter exposure times for even sharper images
- Generator console – Touchscreen control console (optional)
- 600 kHU x-ray tube with 0.6 / 1.0 mm focal spot
- Automatically selected additional copper filtration built-in collimator unit
  - Optional DAP meter
  - Single phase energy storage unit generator 55 kW (230 VAC single phase) offers flexibility to install in locations where 3-phase power is not available.





## FDX Console with Dynamic Visualization

System integrates with our latest technologist workstation and 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 and collimation field mapping (automatic collimator required) 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 D-EVO II and FDR ES (wireless) – system is designed for integration with any of Fujifilm's lightweight, durable DR detectors. The standard single-hand operation non-rotating trays support standard sizes up to 17x17". Optional rotating tray is available for use with a 14x17" in the table or upright. Tray preference needs to be ordered upfront with the system. Smaller 10x12" or 24x30 cm detectors are also available for free positioning of smaller anatomy.

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



Standard console

## Options

- Complete radiographic suite, wall stand only, table only and tube stand only configurations
- 40 kW single-phase, 50, 65 or 80 kW three-phase generators
- Single-phase Siemens 55 kW Energy Storage Unit (ESU) generator 230 V
- Automatic collimator
- Automatic motorized tube height tracking to table and chest stand detector height
- Right or left opening non-tilting and tilting wall stand
- Single-phase (upgrade option) 55 kW Energy Storage Unit (ESU) generator 230 V
- DAP meter
- Table top detector holder for cross table exams
- Single or multiple flat panel detector workflow configurations

# D-EVO Suite FSx Specifications

## Tube Head Column

Floor rail length: 120" (144" optional)  
 Tube movements: Vertical: 64.5",  
 Longitudinal: 94", Transverse: 11"  
 Tube head rotation: +/- 90°  
 Column rotation: +/- 180°

## Radiographic Table

Weight capacity: 800 lb  
 Table top: 31.9 x 86.5"  
 Vertical movement: 22.2-34.2"  
 Longitudinal: +/- 21.5"  
 Transverse: +/- 4.5"  
 Bucky travel: +/- 8.5"  
 Stationary grid: 10:1; 103 lpi; 34-44" focus

## Wall Stand

Vertical movement: 13.8-74.8"  
 Wall stand column: 11.8 x 83.1"  
 Stationary grid: 10:1, 103 lpi; 40-72" focus

## Environmental Conditions

Temperature: 50° to 104° F  
 Humidity: 20-75% RH (non-condensing)  
 Atmospheric pressure: 70-106 kPa

## Power Supply

Generator type: falling load, following models and power ratings

40 kw, 500 mA high frequency CPI generator;  
 single-phase, 208/230 vAc, x-ray tube heat unit capacity: 300 kHU

80 kw, 1000 mA high frequency CPI generator; 3-phase, 480 vAc, x-ray tube heat unit capacity: 600 kHU

Siemens IT series, 55 kW ESU, single-phase generator, 200-253 VAC, 50/60 Hz or 240 V, 2-phase, x-ray tube heat unit capacity: 600 kHU

40 kw, 500 mA high frequency CPI generator;  
 single-phase, 208/230 vAc, x-ray tube heat unit capacity: 300 kHU

65 kw, 800 mA high frequency CPI generator; 3-phase, 480 vAc, x-ray tube heat unit capacity: 600 kHU

80 kw, 1000 mA high frequency CPI generator; 3-phase, 480 vAc, x-ray tube heat unit capacity: 600 kHU

Exposure control: 3-point control console. 3-point touchscreen control console (optional)

kV range: 40-150 kV (+/- 5%)

X-ray tube heat unit capacity: 600 kHU

Anode type: rotating

Focal spot: 0.6mm – 1.0mm; 12° anode angle

Collimator: automatic (ACSS) or manual; LED

Light source; laser line centering; built-in copper filtration; optional DAP meter; 17x17" format size recognition

## System Calibration

Internal self-tests for essential functions at startup and throughout the day.

Quality assurance phantom kits available separately (option).

## External Dimensions and Weight

Room dimensions note: Preferred minimum room size for optimal use is 18 x 12 ft.

**Minimum ceiling height:** Tracking room 92"; Non-tracking room 87"

External dimensions (W x D x H in)

Control unit: 19.7 x 12.8 x 25.2", 46.2 lbs

Tube head column: 13 x 32.8 x 86.5"

Table: 86.5 x 31.9 x 22.3-34.3", 800 lbs

Wall stand: 24.6 x 11.8 x 83.1", 337 lbs

Floor rail: 120 x 3.3 x 18"

FDX Console & FDR D-EVO: Specifications available separately, see respective datasheets.

## Safety & Electrical Certifications

UL 60601-1, 2003/04/25 Ed: 1 Rev: 2006/04/26 UL standard for safety medical electrical equipment, Part 1, and CSA C22.2 #601.1 Issue: 1990/01/11 (R2005) medical electrical equipment – conforms to general requirements for safety and medical electrical equipment UL 60601-1, IEC 60601-1, certified to CSA C22.2, No. 601.1 and others.

## Warranty

1 Year full system warranty,  
 X-ray tube (glassware) 12 month prorated

