



THE  
IMAGING  
SOLUTIONS COMPANY



**FUJIFILM**  
Value from Innovation

# *Persona RF PREMIUM+*

Radiographic Fluoroscopy System

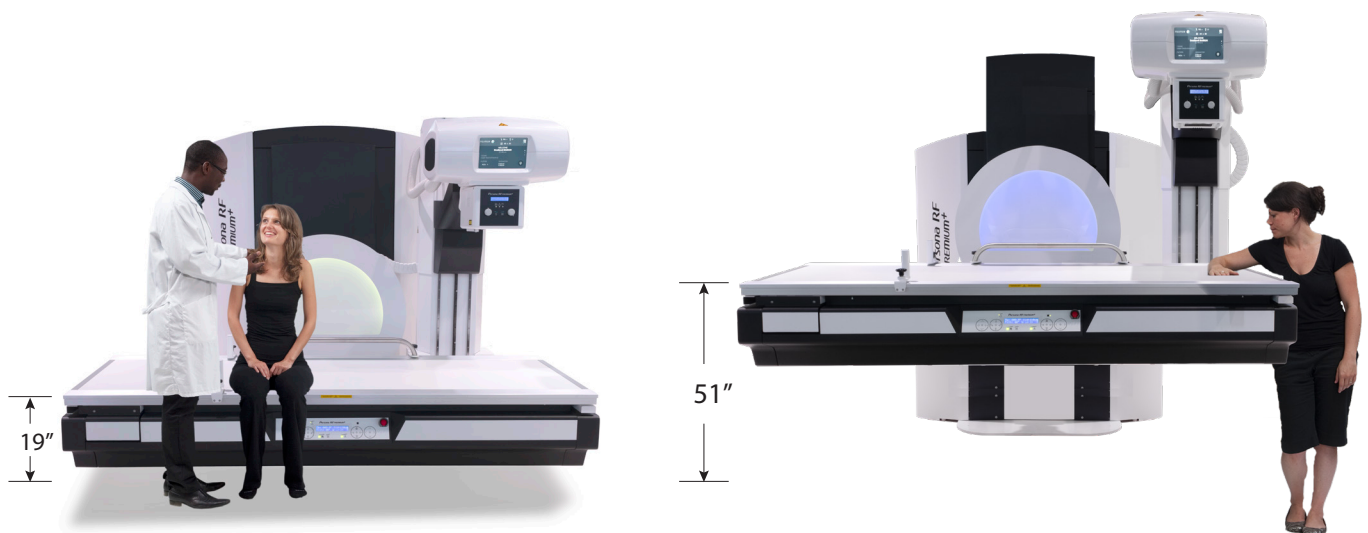


# Experience versatility in action

Introducing next generation digital RF technology with a highly flexible system design. Persona RF PREMIUM+ is engineered for true multi-purpose workflow and positioning flexibility for fluoroscopic and routine radiographic examinations.

- Single user workstation provides simplified workflow and automation with on-demand switching between Radiographic, Fluoroscopy and Tabletop Exams
- Precise, smooth motion controls, with versatile positioning flexibility, 94" of patient coverage, up to 71" SID and  $\pm 90^\circ$  tilting accommodates routine chest exams and everything in between
- "Go to Position" dose-free positioning. Automatic pre-selection of system orientation and radiographic techniques tailored to exam selected, patient type and age
- Large 17x17" FOV for less repositioning, less exposures, low dose, and high image quality
- Built-in grid parking automated to exam menus selected for pediatrics and other procedures

Persona RF PREMIUM+ introduces a smartly designed approach with an extensive range of motion and ease-of-use that sets it apart from traditional radiographic fluoroscopy systems. This unique design enables increased room utilization and fits tight spaces without compromising long-established standards for contrast, image stitching and urologic procedures.



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## CHEST IMAGING WITH 71" SID

Unencumbered chest and automated long length imaging with a full 71" SID to minimize image magnification. Provides excellent added flexibility for space limited rooms where ceiling suspended tube systems are not possible\*



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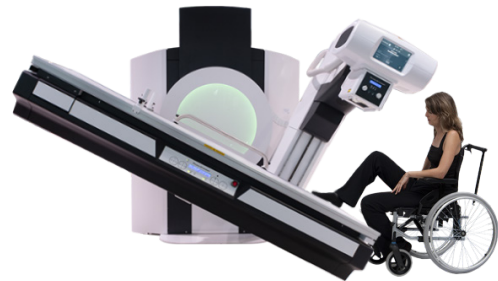
## STURDY AND RELIABLE DESIGN

Built to last and perform, supports up to 584 lbs. patient weight without movement restrictions and up to 705 lbs. stationary

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## ADAPTABLE POSITIONING TECHNIQUES

Wide range of motion with 94" of longitudinal coverage to assist in imaging patients with reduced mobility



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## STRETCHER BASED EXAMINATIONS

Superior positioning capabilities for stretcher-based radiographic exposures without the need of a ceiling suspended overhead tube crane\*

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## UNOBSTRUCTED ACCESS

Full clinician access to the rear and sides of the table to facilitate patient transfer and care



\* Overhead tube crane and wallstand options available for sites that prefer traditional OTC positioning workflow

# One room solution to match your needs



## PATIENT COMFORT

Ambient lighting, music, microphone and low table elevation

## DYNAMIC FLAT PANEL DETECTOR

17x17" High Resolution (140  $\mu$  m) CsI / IGZO detector for up to 30 frames per second fluoroscopy for optimum image detail and maximum field of view.

## TUBEHEAD

Built-in touchscreen for table controls and patient information verification. Integrated camera for patient positioning and ease of use.

## CONTINUAL PATIENT CONTACT

Microphone at the remote console to maintain contact with patients for added comfort and guidance during procedures



## INTUITIVE OPERATOR CONTROLS

Powerful APR integration combined with joystick table controls for maximum positioning speed and confidence



## REMOTE CONTROL CONSOLE

Positioning interfaces located in the x-ray control area for reduced operator radiation exposure

### BEDSIDE AND HANDS FREE POSITIONING

Tableside keypad and handheld remote allow individual operators to find their preferred way of piloting the table



The optional 7-way positioning footpedal allow hands-free table navigation, particularly for fluoroscopic exams

### ADVANCED IMAGING INTEGRATION

Seamless integration with optional Fujifilm's lightweight and rugged, glass-free FDR D-EVO III detectors for stretcher and wall stand use



Single user interface allows fast seamless switching between techniques and removes complications with split studies across different interfaces

### CEILING MOUNTED TUBE

Single-generator & console power and control overhead tube crane option, without the added cost and space of an additional generator or console hardware

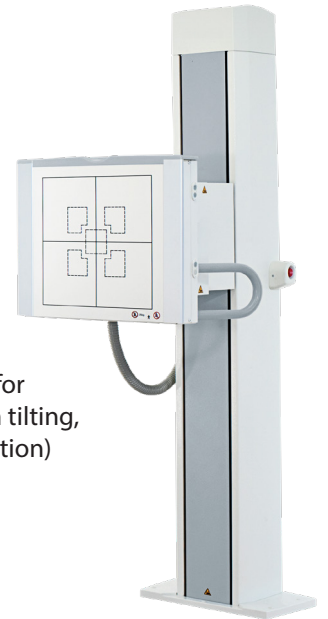


### IN-ROOM IMAGE DISPLAY & JOYSTICK CONSOLE

In-room console available with or without display for table-side control of bedside procedures. Display also available floor or ceiling-mounted, 19" or 32" (options)

### VERTICAL BUCKY

Vertical wall stand option for maximum room utilization tilting, tracking, or non-tilting (option)



# Imaging excellence at your fingertips



## SINGLE OPERATOR CONSOLE

Simplifies image viewing and QA tasks for continuous and pulsed fluoro, radiographic imaging and image stitching irrespective of system configuration.

One console and one generator can effortlessly control the main system and additional components such as an added detector, overhead tube system and chest stand, while minimizing cost and space.

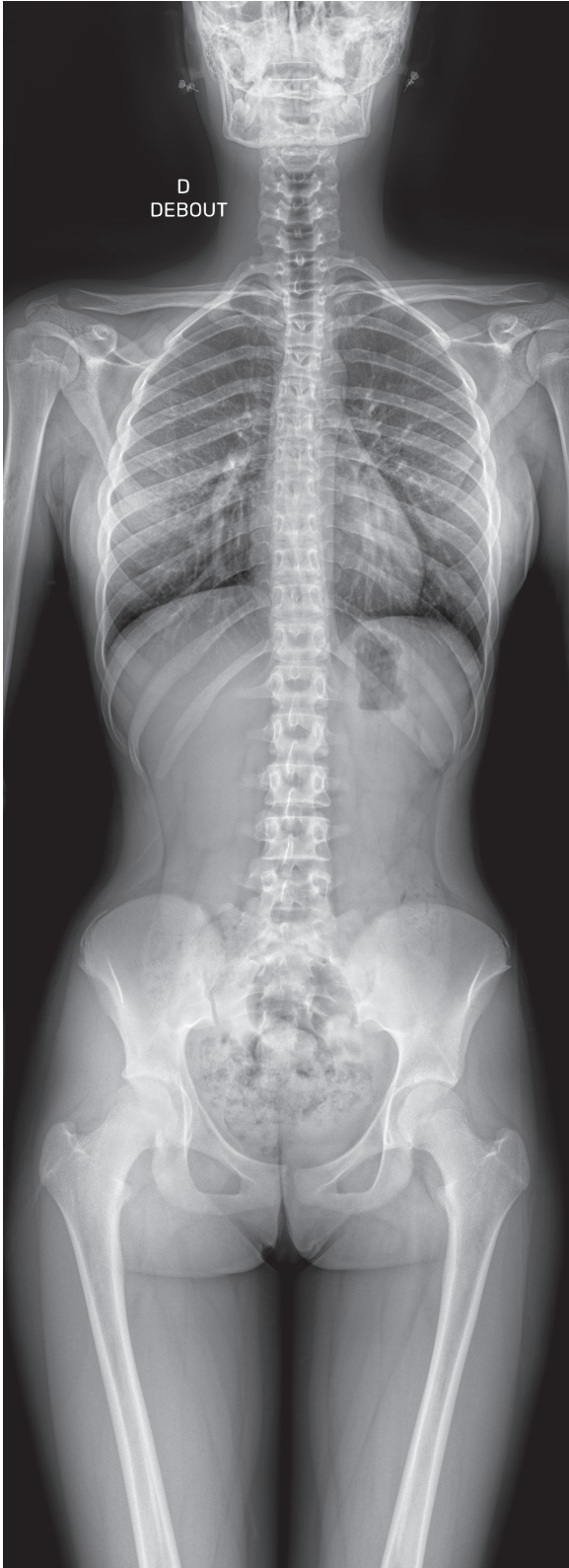
## ANATOMICAL PROGRAMMING

Advanced APR system control provides automatic technique adjustment based on the patient's date of birth and the anatomic program selected. Powerful image processing automatically corrects each image to maintain consistently high imaging standards.

## JOYSTICK SYSTEM CONTROLS

Control table, collimator and tube movements from near or far with joystick controls and emergency safety cutoff switch.





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### STITCHING OPTION

Automated long length imaging option with 71" SID for up to 4 view image stitching (upright or supine)



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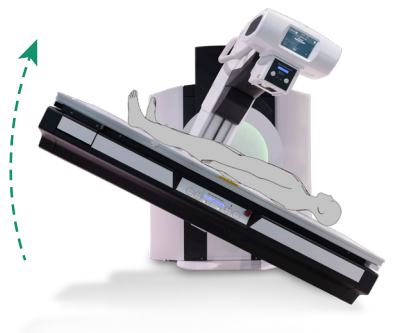
### COMPRESSION OPTION

Easy to use motorized compression device for abdominal examinations

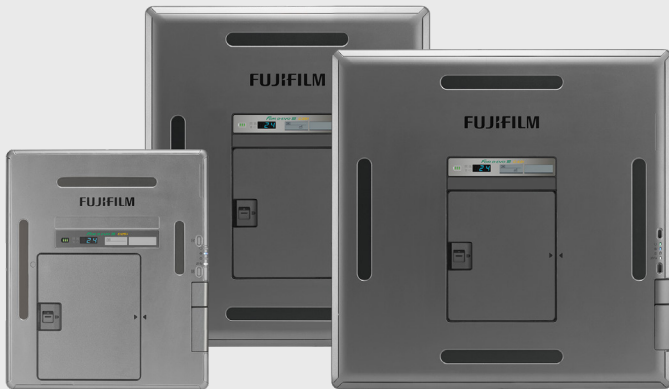
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### UROLOGY OPTION

Isocentric rotation system allows the center of rotation to be set at the table's extremity



# Expand the Possibilities



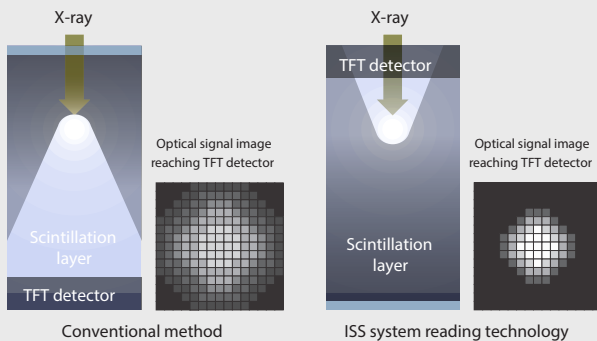
## FDR D-EVO III

Experience seamless integration with Fujifilm FDR D-EVO III detectors for tabletop, stretcher and wall stand use. Switch instantly between fluoro and free radiographic techniques on a single user interface for uninterrupted workflow and simplified image management.

### GLASS-FREE DURABLE LIGHTWEIGHT DETECTORS

Innovative glass-free design combined with magnesium alloy casing provides ultra-lightweight and high durability to withstand up to 683 lbs. patient weight. Slim design with tapered edges simplifies positioning under the patient and enhances patient comfort.

Approx.  
4 lbs.



### DOSE EFFICIENCY

FDR D-EVO III detectors incorporate Fujifilm's patented ISS technology, which positions its capture circuitry at the irradiation side, in contrast to conventional detectors. This design significantly suppresses scattering and attenuation of x-ray signals, improving efficiency to produce sharper images at lower doses compared to conventional designs.

### BACTERIA, LIQUID & DUST RESISTANCE

FDR D-EVO III's exclusive HydroAG antibacterial coating and IPX6 fluid protection rating act as a powerful combination; to provide an added safety against both panel damage and Hospital Acquired Infections (HAIs).

IP56  
rating





# Persona RF PREMIUM<sup>+</sup>

## IN-ROOM IMAGING

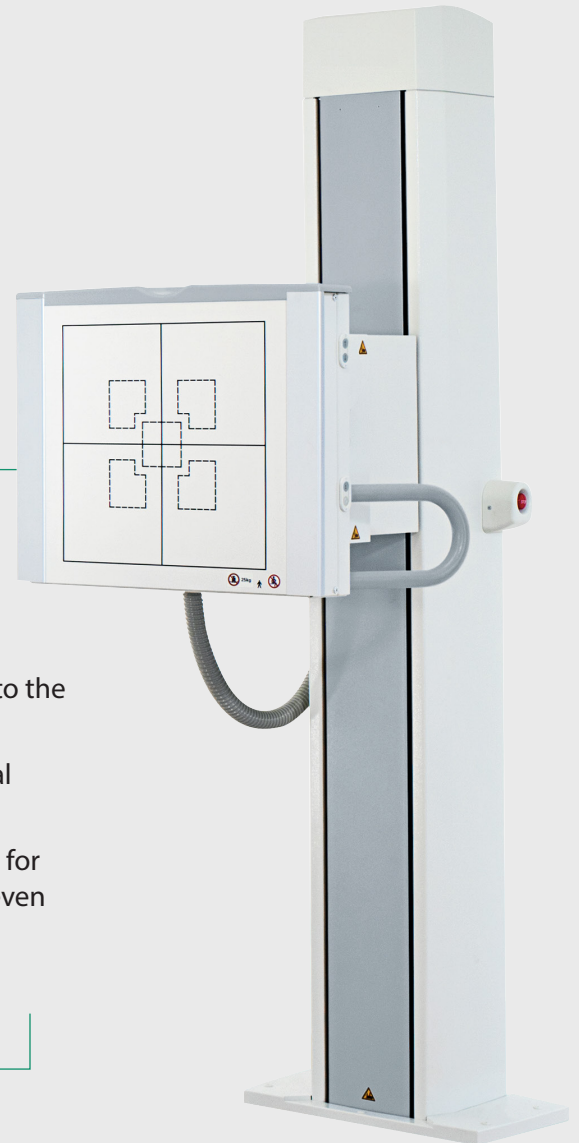
### OVERHEAD TUBE CRANE

Added flexibility for in room exams with the optional manual or motorized overhead tube crane (option)



### VERTICAL WALL BUCKY

Tilting, tracking, or non-tilting wall stand options are available to bring added flexibility for chest and extremity exams without the need to reposition the RF table (option)



### INTEGRATED GENERATOR DESIGN

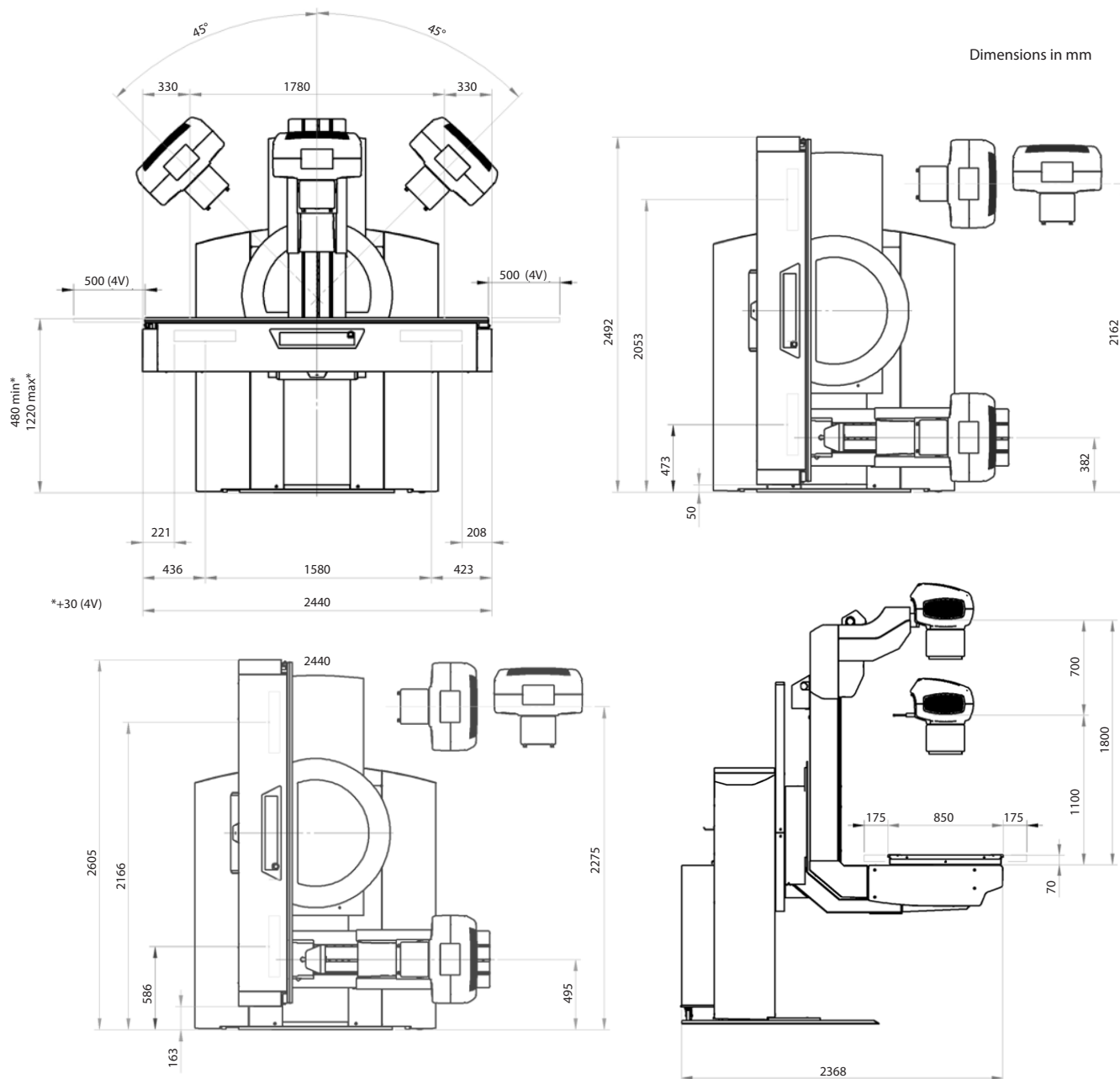
Compact generator and workstation cabinets integrate into the back of the table to minimize system space requirements.

The single generator can power both RF table and optional OTC.

Persona RF PREMIUM<sup>+</sup> allows for optimal space utilization for even the smallest room layouts



Dimensions in mm



## Radiography and Fluoroscopy Table

System Range of Motion	Tabletop height: 19-51 inches Tilting Angle: $\pm 90^\circ$ Tilt Speed: $6^\circ/\text{sec}$ ( $10^\circ/\text{sec}$ max) Longitudinal coverage: 94.5 Inches Maximum patient weight: 584 lbs (with no restrictions) 705 lbs. stationary SID: 43 -71 inches (110-180 cm)	
Table and Tube Range of Motion	Tabletop: 94.5 x 33.5 Inch Table Type: Carbon Fiber Table Speed: $10^\circ/\text{sec}$ max	Tube column movement: 71 inches Tube Rotation: $\pm 180^\circ$ Longitudinal speed: 4.7 inches/sec
X-ray Tube	Model: Rotating Anode Focus: 0.6 / 1.0 Anode heat capacity: 450 kJ (600 kHU) DAP	Model: Rotating Anode Focus: 0.6 / 1.0 Anode heat capacity: 580 kJ (800 kHU)
X-ray Generator	Power: 80kW Continuous Fluoroscopy: 0.5–10 mA in 0.1 mA steps Pulsed Fluoroscopy: 10–20 mA in 0.1 mA steps Radiography Mode: 10-1000 mA 2nd Tube Output Included	
	kV Range: 40-150 kV	

Flat Panel Detector	Technology: Indium Gallium Zinc Oxide (IGZO) detector Pixel pitch: 140 µm Spatial resolution: 3.5 lp/mm Grayscale: 16bits radiography and fluoroscopy X-ray sensitive array: 17 x17 inch DQE: 79% @ 0 lp/mm, 56% @ 1 lp/mm	
Imaging Modes	Radiography Linear Tomography Digital Subtraction Angiography option*	Fluoroscopy Image Stitching option
Pulse Rate, fps	15, 7.5, 3, 1 and continuous	
Bedside System Controls	Touchscreen collimator and movement controls on tube head Tableside membrane switches for table and system movement 3D anti-collision w. deadman and auto table keyboard lock	
In Room Monitor	31.5" Color display, 3840 x 2160 350 cd/m²	
Workstation	Processor: i7-8700 RAM: 32 GB HDD disk: 1 TB (RAID1) SSD system: 1 x 256 GB	Color touch 23" monitor 1920x1080 (16:9 aspect ratio) OS: Windows 10 Enterprise 64 bit 260 cd/m2
Included Accessories	Collimator, Foot rest, Double foot pedal, Lateral bar, Remote Controller, Hand grips, Ambient Light, Music Player (MP3), Collimator camera, DAP, in-room Control Console	
System Controls	Operator membrane console with 4x joystick controls Patient communication microphone APR preset of exam parameters based on patient age	
DICOM Compatibility	DICOM Modality Worklist DICOM Store DICOM Print	DICOM RDSR Structured Dose Report DICOM Storage Commitment DICOM MPPS

## Accessories

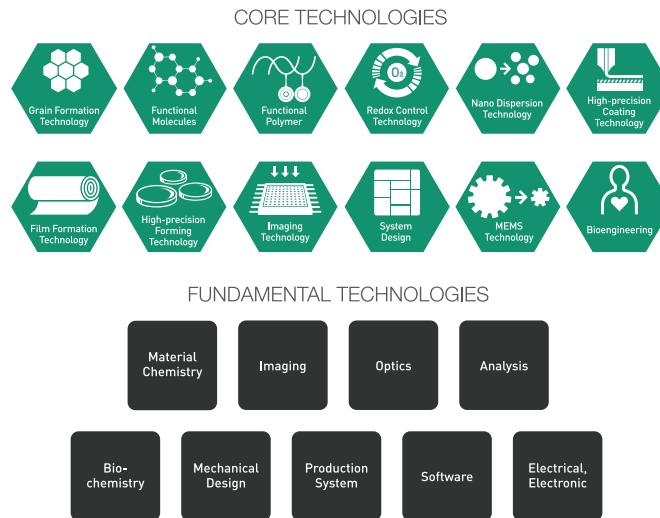
In-room Monitor	All-in-one 32" Monitor and Control Console on mobile cart 32" Monitor Fixed Ceiling Suspension 32" Monitor Mobile Ceiling Suspension on Rails 32" Monitor Mobile Ceiling Suspension on Rails with Lead Shield	Collimator: Manual, Auto X-ray Tube: F0.6/1.2 - 350 kHU or F0.6/1.0 SV150/40/80C, 600 kHU
System Controls	7 way Multifunctional Foot Pedal In-room operator Control Console for for in room exams	Vertical Wallstand Type: Tilting Left or right side opening Vertical Travel: 13.4" to 68.1" above floor (center to center) Tiltable from -20° to +90° with 0°/90° detent Ion Chamber included
Other Accessories	Gynecological Leg Support Shoulder Supports Lateral detector holder (35x43) Mattress (79x24x1) Head Support Pediatric Immobilization Device Foot Rest mounted stool DVD-R Archiving w/Viewer	Grid: 80 lines per cm, grid ratio: 15 SID: 150 cm FDR D-EVO III (or II) detectors C43, G43, C35, G35, C24, C25 Docking Stand Power Box
Software Options	Stitching, Urology, DSA	Flat Panel Detector Compatibility
Overhead Tube Crane	Type: Manual, Motorized	

Fujifilm transformed its corporate structure for growth by expanding beyond the traditional photographic film business to six priority business fields, including healthcare – ranging from diagnostic imaging to regenerative medicine.

Our R&D innovations over the decades find us today with highly specialized expertise in increasingly relevant technologies that transform modern healthcare.

Beginning with photographic and x-ray film, for more than 85 years Fujifilm has continually invested in research and development resulting in world-class, highly versatile fundamental core technologies.

Today this expertise allows Fujifilm to continue to innovate new technologies and services for diverse businesses that will shape the future.



Fujifilm's diagnostic and therapeutic technologies form a highly interconnected, holistic approach to healthcare, with the goal of helping patients along the entire care pathway, from the earliest diagnosis and extending to the advancement of new regenerative treatments.