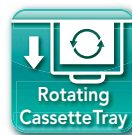


FDR Smart f

Elegant & Economical Digital X-Ray system



Minimalism



Simple is Smart

Fujifilm is proud to announce our latest high-quality, cost-effective x-ray system. Easily installed in limited spaces and easy to use, this user friendly system will bring upon a **smart** workflow for you.

FDR Smart f

* Chest patient hand grip option is included on the above.



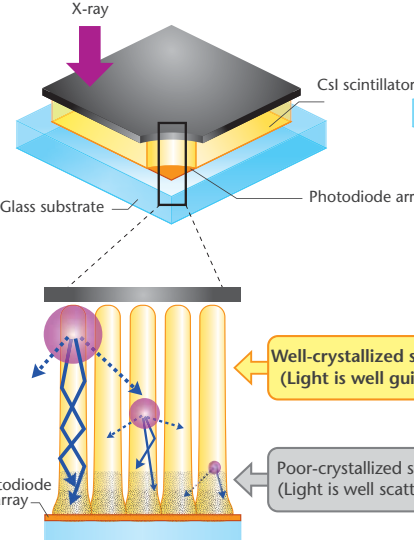
Stripped down to the fundamentals, FDR Smart f will provide the essential functions you need.

Precision

When your focus is in reducing dose and obtaining excellent image quality, D-EVO is for you.



Conventional method



X-ray

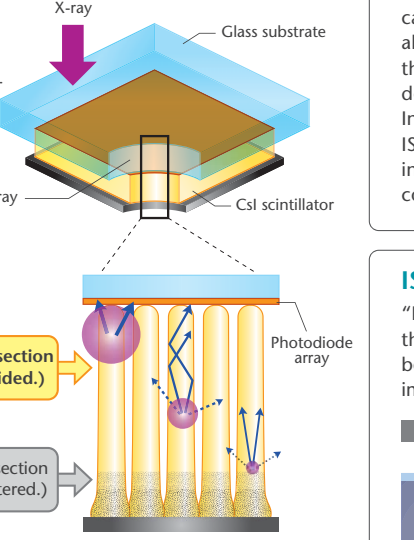
Glass substrate

CsI scintillator

Photodiode array

Poor-crystallized section (Light is well scattered.)

Fujifilm's new method



X-ray

Glass substrate

CsI scintillator

Photodiode array

Well-crystallized section (Light is well guided.)

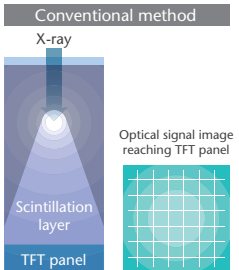
CsI scintillator

Fujifilm's new Flat Panel Detector capitalizes on the high X-ray absorption characteristics of CsI and the ability of its needle crystals to deliver high image sharpness. In addition application of the company's proprietary ISS technology has allowed even greater improvements in image quality, and lower patient dose, when compared to conventional CsI detectors.

ISS technology

"ISS technology" sees the TFT sensor placed in front of the scintillation layer instead of its traditional position behind it. This technology permits a higher resolution image and reduced doses.

Conventional method



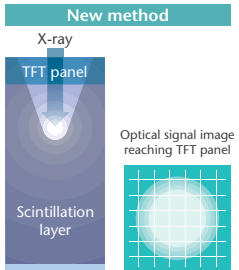
X-ray

Scintillation layer

TFT panel

Optical signal image reaching TFT panel

New method



X-ray

TFT panel

Scintillation layer

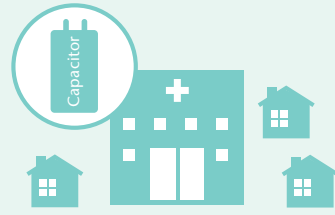
Optical signal image reaching TFT panel

The novel type CsI:TI FPD, combining an adhesively coupled structure with ISS method, exhibits significant improvement in image quality than conventional CsI:TI FPDs and provides a way to reduce X-ray exposure to the patient.

Selection

we provide stable and wide range of power ratings to match your necessity.

■ Medical Center

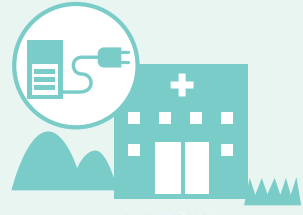


Capacitor Assisted Generator

Perfect for the medium sized X ray department. No power supply modification necessary 40kW Single Phase Input power 3kW

■ Country side

*Unstable electricity supply



UPS generator

Supplies power for 5 hours (or approximately 500 shots) without electricity. The ideal solution for regions with unstable power supply 40kW Single Phase Input power 1kW

■ Hospital



Line Powered generator

We can adjust our generator to the workload required in a big hospital. 40kW/52kW/68kW/82kW Three phase. This is a high frequency x-ray generator

FDR Smart f Specifications



FDR Smart FGX series						
	FGX-C40S	FGX-U40S	FGX-40S	FGX-52S	FGX-68S	FGX-82S
X-RAY GENERATOR						
	Capacitor Type	UPS type	Line Powered Type			
Product name	GXR-C40	GXR-U40	GXR-40	GXR-52	GXR-68	GXR-82
Output Rating	40 kW	40 kW	40 kW	52 kW	68 kW	82 kW
Line Nominal, Phase	110/120VAC, 230VAC, 1Φ	100-240VAC, 1Φ	230VAC, 1Φ 400VAC, 480VAC, 3Φ	400VAC, 480VAC, 3Φ		
Line Voltage Range	±10% (Frequency: 50/60 Hz)					
kV Range	40~125 kV, 1 kV step			40~150 kV, 1 kV step		
mA Range	10 to 500 mA	10 to 500 mA	10 to 500 mA	10 to 640 mA	10 to 800 mA	10 to 1,000 mA
Timer Range	0.001 to 10 sec, 38 steps					
mAs Range	0.1 to 500 mAs					
Max. Power Output	500 mA@80 kV 400 mA@100 kV 320 mA@125 kV	500 mA@80 kV 400 mA@100 kV 320 mA@125 kV	500 mA@80 kV 400 mA@100 kV 320 mA@125 kV	640 mA@81 kV 500 mA@104 kV 400 mA@130 kV 320 mA@150 kV	800 mA@85 kV 640 mA@106 kV 500 mA@136 kV 400 mA@150 kV	1,000 mA@82 kV 800 mA@102 kV 640 mA@128 kV 500 mA@150 kV
Minimum Breaker Rating	15 A (230 Vac, 1Φ) 30 A (110 Vac, 3Φ)	10 A	100 A (230 Vac, 1Φ) 65 A (400 Vac, 3Φ) 50 A (480 Vac, 3Φ)	75 A (400 Vac, 3Φ) 65 A (480 Vac, 3Φ)	90 A (400 Vac, 3Φ) 75 A (480 Vac, 3Φ)	100 A (400 Vac, 3Φ) 90 A (480 Vac, 3Φ)
Anatomical Programs	User programmable max. 1,280 programs with APR utility software					
Technique Selection	4 point display(kV, mA, Time, mAs)					
X-RAY TUBE						
	E7242X / Toshiba		E7884X / Toshiba	E7252X / Toshiba	E7255X / Toshiba	
Focal Spot Size	0.6/1.5 mm		0.6/1.2 mm	0.6/1.2 mm	0.6/1.2 mm	
Max. Anode HU	200 kHU		300 kHU	300 kHU	300 kHU	
Target Angle	14°		12°	12°	12°	
COLLIMATOR						
	R108 / RALCO					
Field Shape	Rectangular					
Max. Field Size	More than 43×43 cm (17×17 inch) at 100 cm SID					
Inherent Filtration	Min. 2.0 mmAl eq.					
Luminosity	Over 160 LUX at 100 cm SID (Typ. 250 LUX)					
Light Source	Single LED					
Standard	Laser line, Tape measure, Rotating flange					

Continued on the following page. 

New image processing – Dynamic Visualization



Conventional image

New image

Customised image

Fujifilm's renowned diagnostic image quality has now evolved still further. Leveraging its world leading image processing technology, built on a long heritage in medical imaging, and its endless pursuit of improvements in diagnostic imaging, Fujifilm's CONSOLE ADVANCE is more than able to meet the exacting demands of the modern medical market. Fujifilm's image processing technology automatically recognizes the region of interest and applies the optimum image processing parameters in order to deliver reproducible, high quality images every time. This greatly streamlines workflow thus reducing the load on Technologists and speeding up diagnosis for Doctors.

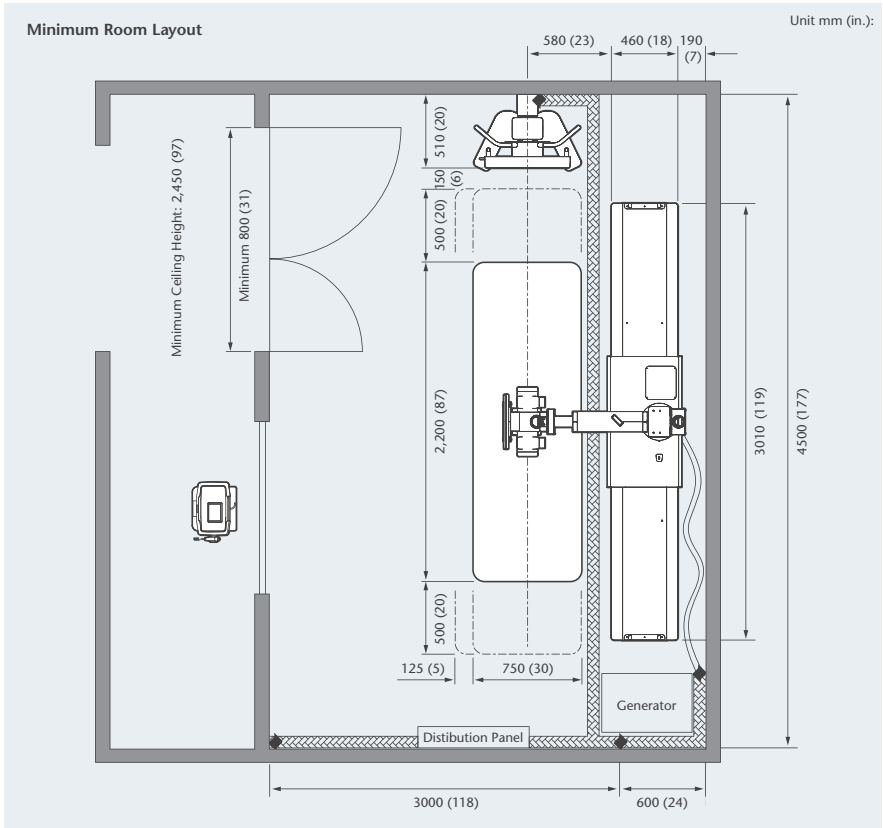
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Patient Table			
		4-way Floating Tabletop	6-way Elevating Table
Movement	Tabletop	Longitudinal	1,000 (±500) mm
		Transversal	250 (±125) mm
	Vertical	Travel	285 (565 ~ 850) mm
		Speed	17 mm/sec
		Operating	Motorized movement by footswitch DC-motor (Linear Actuator)
	Bucky	Longitudinal	350 mm with standard tray
Tabletop		Inherent Filtration	1.2 mmAl at 100kV
		Max. Patient Weight	300 kg (660lbs)
		size	2,200 (W) × 750 (D) × 45 (H) mm 2,200 (W) × 810 (D) × 45 (H) mm
Bucky Type / Grid		Oscillating	FD 34 ~ 44 inch, 103 lpi, ratio 10:1
		Fixed	FD 100 cm, 103 lpi, ratio 10:1
Lock (Brake)		EM Lock, beam sensor on/off	EM Lock, Foot Switch on/off
Center indication		Buzzer sound and LED	Transverse center, height center
Dimension / Weight		2,200 (W) × 750 (D) × 660 (H) mm / 150 kg (330 lbs)	Max. 2,200 (W) × 810 (D) × 850 (H) mm / 260 kg (573 lbs)

Vertical Wall Stand		
Cassette Stroke	Vertical 1,640 mm (420 ~ 2,060 mm from floor to Bucky center)	
Bucky Type / Grid	Oscillating	FD 40 ~ 72 inch, 103 lpi, ratio 10:1
	Fixed	FD 150 cm, 103 lpi, ratio 10:1
Lock (Brake)	EM Lock, Switch on/off	
Balance	Counter Weight	
Dimension / Weight	Max. 2,169 (H) × 655 (W) × 410 (D) mm / 120 kg (264 lbs)	

Floor Mounted Tube Stand		
Tube Rotation Angle	±135°	
Tube Stroke	Longitudinal	Max. 2,200 mm
	Lateral	220 mm
	Vertical	1,580 mm (440 ~ 2,020 mm from floor to focus)
Lock (Brake)	EM Lock, Foot Switch on/off	
Balance	Counter Weight	
Column Rotation	90° step	
Dimension / Weight	2,317 (H) × 1,373 (D) × 3,006 (W) mm / 240 kg (529 lbs)	

Dimensions



FDR Smart FGX series and DR-ID 600 are assembled into the “FDR Smart f” by Fujifilm in conformity with Article 12 of the Directive 93/42EEC on Medical Devices. This equipment is a Class 2 laser product (IEC60825-1).

DR-ID 600



“FDR D-EVO” for digital radiography

(DR-ID 600 including DR-ID 300CL)

FDR D-EVO G35i/G35s, C35i/C35s are available for FDR Smart f. For details, please refer to brochure of FDR D-EVO series.



FDR D-EVO Plus C35i



FDR D-EVO Plus C35s



FDR D-EVO G35i



FDR D-EVO G35s

Manufacturer: FUJIFILM Corporation
Address: 26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN
EU Representative: FUJIFILM Europe GmbH
Address: Heesenstrasse 31, 40549 Duesseldorf, GERMANY

Other Fujifilm Products



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All products require the regulatory approval of the importing country.
For details on their availability, contact our local representative.

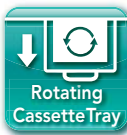
FUJIFILM
Value from Innovation

Fujifilm DR Solution

FDR Smart f **NEW**

FDR Smart f

Elegant & Economical Digital X-Ray system



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