



Digital Radiography System

Making the Digital Image Transition Easier ...
... in the Most Economical Way



Quality, System and Safety Certifications



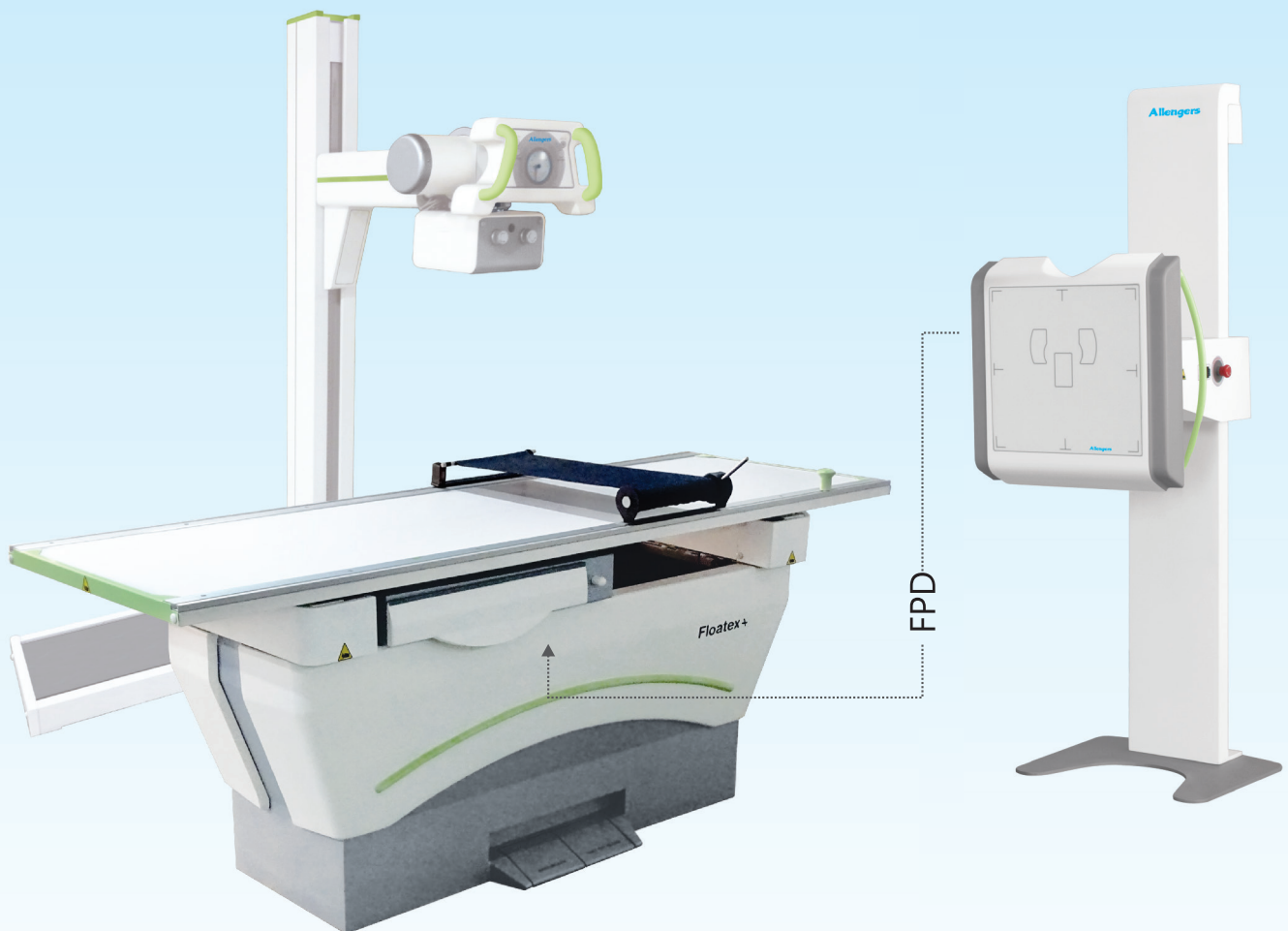
Allengers, the only Indian medical equipment manufacturing company bestowed with "National Award for Quality Products" from the Prime Minister of India.

MARS DR SERIES

An economic combination of Digital Radiography system is a specialized model for general radiographic applications. This system is available with the X-Ray tube head mounted on ceiling free stand / floor to ceiling stand, single or dual detector, table, vertical bucky and high frequency X-Ray generator.

UNIQUE BENEFITS

- State-of-the-art digital image processing technology.
- Excellent image quality with very low X-Ray dose.
- Quick image preview and faster patient turnaround time.
- Easy to image both knees or long femur in single shot.
- Small footprint for easy installation in small rooms.
- DICOM compliant.

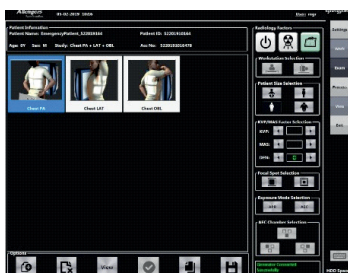


Ceiling free stand integrated with Floatex table, VBS, with options of portable Wi-Fi FPD / fixed FPD (single / dual)

Integra X (INTEGRATED X-RAY / IMAGE CONTROL CONSOLE)

- An intuitive operating console.
- 19" / 21" / 24" monitor.
- User definable Anatomical Programming Radiography (APR) mode.
- Self error detection program.
- UPS for uninterrupted usage of operating workstation.

Integra X (SYNERGY DR WORK STATION / IMAGE CONTROL CONSOLE)



All adjustment of X-Ray parameter :

- KV ■ mAs ■ Focal Spot ■ Density ■ APR / AEC



FLAT PANEL DETECTOR

A complete imaging solution integrated to give unparalleled imaging quality.

The use of flat panel detectors increases work flow eliminating most manual activities such as loading, transporting cassettes and developing films.

Excellent grey level and fine pixel pitch guarantees high resolution and high contrast images.



Fixed Detector



Portable wi-fi Detector

DIGITAL DETECTOR TECHNOLOGY

Digital X-Ray is an important technology for today's diagnostic medical imaging, radiation therapy and all sorts of radiographic examinations.

Special Features of Flat Panel Detector	
Type	Fixed detector / portable wi-fi detector
Size	43 cm x 43 cm (17" x 17") / 35 cm x 43 cm (14" x 17")
Conversion	Indirect conversion
Technology	Amorphous silicon (a-Si)
Scintillator	Cesium Iodide (CsI)

MAJOR TECHNICAL SPECIFICATIONS*

X-Ray Generator : High Frequency

Models	MARS 15	MARS 30	MARS 40	MARS 50	MARS 50+	MARS 65	MARS 80
KW Rating	15	30	40	50	50	65	80
Max. KV	125	125	125	125	150	150	150
mA (upto)	250	400	500	630	800	800	1000
Power Requirement	3 phase 400 VAC, 50/60 Hz. with line regulation of $\pm 10\%$						
	Max. 18.75kVA	Max. 37.5kVA	Max. 50kVA	Max. 62.5kVA		Max. 80kVA	Max. 100kVA
	For capacitor bank systems : Single phase 230 VAC $\pm 10\%$, Max. 2.5 kVA for 15, 30, 40 KW RAD models						

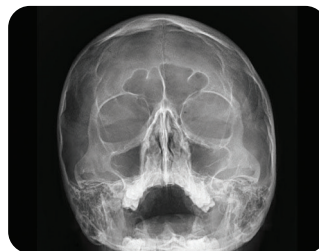
Mars DR series can be configured and supplied with different combinations of tables, wi-fi / fixed detector, tube stand and VBS etc.

* These are broader specifications with highest certifications. The final product will be dispatched as per agreed terms in quotation.

OPTIONAL

- Automatic Exposure Control : Solid state AEC device with multiple chambers.
- Stitching Software with Hardware : Spine and long bone imaging with repeat and reject feature.
- Printer : Imager / Dry Laser Printer
- DAP Meter : DAP for measuring the dose within the radiation field and area of tissue irradiated.
- Monitor : Various monitor options like 19" / 21" / 24" etc.
- Additional Reporting Workstation : For enhanced diagnostic confidence of reporting radiologist.

HIGH RESOLUTION IMAGES



ASSURE Protocols : All X-Ray based equipments involve some potential risk of radiation exposure. We, at Allengers understand your concerns. Allengers is fully committed towards radiation safety and care of its customers.

Allengers has introduced ASSURE Protocols, which is a step in the direction of delivering best possible image quality at lowest possible dose. Allengers products with ASSURE Protocols are carefully crafted to protect users and patients from unwanted leakages in the X-Ray equipment.

ASSURE version range mentioned is based upon lowest and highest configurations of safety standard protocols and is configuration dependant, which may vary for desired combinations.

FOR ANY ENQUIRIES CONTACT US

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