

# Allengers

*Passion for excellence*



## Digix ECO

Digital Radiography System

Making the Digital Image Transition Easier ...

... in the Most Economical Way Through NTF



NTF Solutions : Now Offering Affordable Films and Digital Printing with DRs'



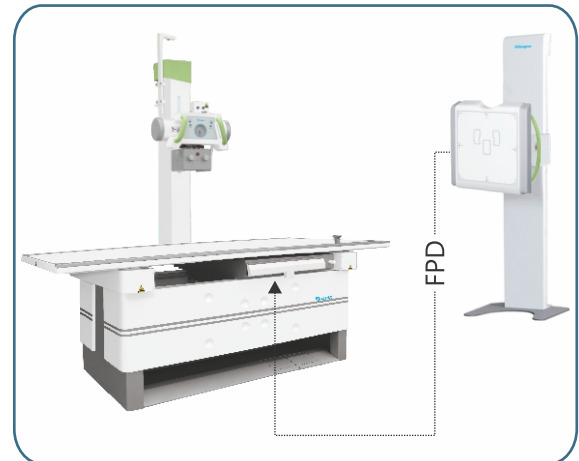
Allengers, the only Indian medical equipment manufacturing company bestowed with "National Award for Quality Products" from the Prime Minister of India.

## DIGIX ECO

Digix ECO an affordable series of Digital Radiography systems are specialized models for general radiographic applications. These systems are available with the X-Ray tube head mounted on ceiling free stand, a single detector embedded in the detector stand housing, mobile table 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.



Floor to ceiling stand integrated with Floatex table, VBS, with options of portable wired / wi-fi FPD (Mfg. code - Desire)



Ceiling Free integrated with the Detector Stand (DS), tube column on flat rails (Mfg. Code - Regular).

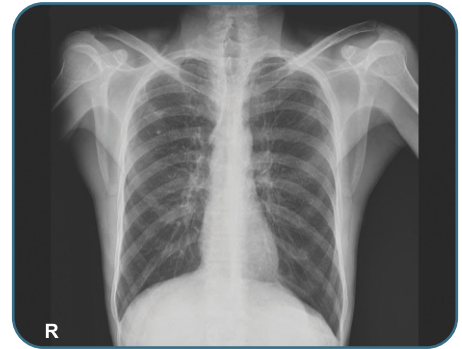
SINGLE DETECTOR SYSTEM - MULTIPLE APPLICATIONS / POSITIONING FREEDOM



PNS waters view



Left hand AP view



Chest PA view

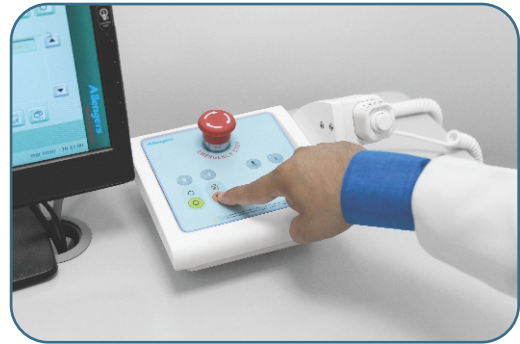


Abdomen Supine AP view

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

- An intuitive operating console.
- 19" flat panel 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)



**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.



Detector secured in fixed detector stand



**DIGITAL DETECTOR TECHNOLOGY**

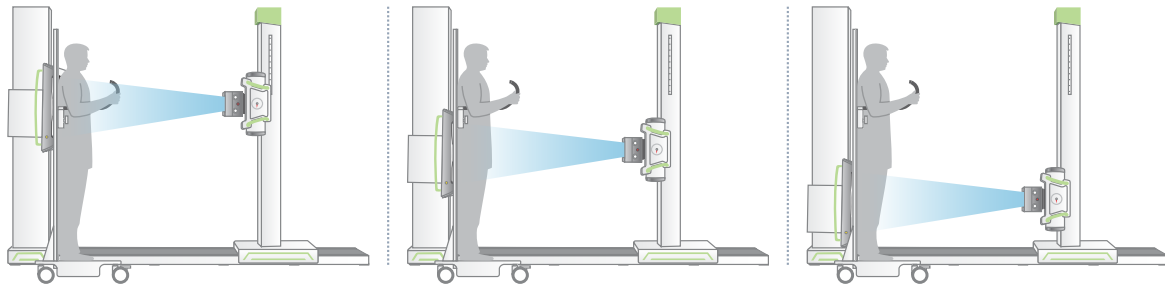
Digital X-Ray is an important technology for today's diagnostic medical imaging, radiation therapy and all sorts of radiographic examinations.

Special Features of Flat Panel Detector	
Type	Fixed detector
Size	43 cm x 43 cm (17" x 17")
Conversion	Indirect conversion
Technology	Amorphous silicon (a-Si)
Scintillator	Cesium Iodide (CsI)
Image matrix	3K x 3K

Optional : Wi-fi / portable (14" x 17") - as per user intended application

## IMAGE STITCHING SOFTWARE WITH HARDWARE (optional)

Image stitching is very useful for scanning long anatomies like spine and leg. Digix ECO offers stitching feature in which 2 or 3 exposures are taken to cover the anatomy. In no time software system gives stitched image.



### 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.
Allen PACS	:	Web based PACS
Printer	:	Imager / Dry Laser Printer, NTF Printer
DAP Meter	:	DAP for measuring the dose within the radiation field and area of tissue irradiated.
Touch Monitor	:	User interface.
Additional Reporting Workstation	:	For enhanced diagnostic confidence of reporting radiologist.
Patient Tables	:	MobiT 4 / MobiT 6

## MAJOR TECHNICAL SPECIFICATIONS\*

X-Ray Generator : High Frequency

Model	MARS 15	MARS 30	MARS 40	MARS 50	MARS 50+	MARS 65	MARS 80
Series	Digix ECO						
Mfg. Code	Regular						
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, 400VAC $\pm$ 10% , 50/60Hz with Line resistance of max. 0.2 Ohm. with Independent earthing. Output Power = Model specific. 1-Phase 230VAC $\pm$ 10%, 15A, 50/60Hz, with Independent earthing. (for MARS 15 to 40 with use of capacitor bank)						

Digix ECO under manufacturing code - Desire can be configured and supplied with different combinations of Floatex tables, Portable wired / wi-fi detector, Floor to Ceiling (FC) stand, VBS, etc.

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

NTF solutions : A revolutionary, cost effective film and printing solution (optional)

Why pay more for film printing ? Opt for **"Allengers NTF Solutions"**



The benefits are :

- Excellent image quality.
- Universal film printing.\*
- Upto 40% reduced cost of printing.
- Lower cost of printing hardware.
- Easily configurable.
- Negligible maintenance costs.
- Allengers service assurance.

*\* The film should be of matching specification.*

### A.S.S.U.R.E

(Allengers Safety Standard for User from Radiation Emission)

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

**A.S.S.U.R.E version mentioned is based upon the ideal configurations and may change for desired models.**

### ALLENGERS MEDICAL SYSTEMS LTD.

S.C.O. 212-213-214, Sector 34-A, Chandigarh-U.T. 160 022 (India)

**DOMESTIC SALES :**

Ph : +91 172 6618000-99, 2621913 Fax : +91 172 2621912 E-mail : sales.enquiry@allengers.net

**INTERNATIONAL SALES :**

Ph : +91 172 6618081, 6618082 Fax : +91 172 2621912 E-mail : exports@allengers.net

Please visit [www.allengers.com](http://www.allengers.com) for more information Toll Free No. 1800-266-8800 (India)



For detailed technical specifications, please refer to the respective product data sheets / quotation.  
Due to continuous product improvements, specifications and appearance are subject to change without prior notice.