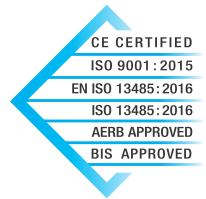


Allengers

Passion for excellence



High Frequency Fixed X-Ray Systems

Technology for
..... Superb Images



MARS
15 - 80

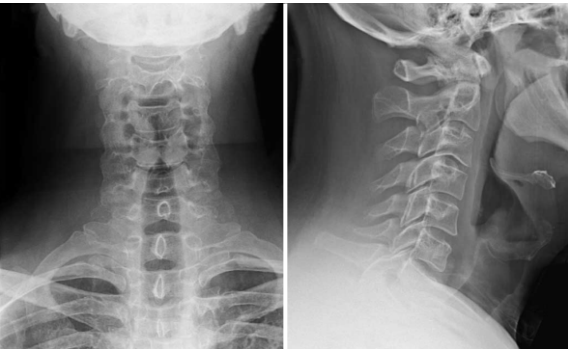
ABOUT US

Welcome to the world of Allengers, a world that understands your needs, a world that actually cares. Allengers, an Indian MNC, National Award Winner 'Quality Products' from The Prime Minister of India, is a leading manufacturer covering a wide spectrum of medical diagnostic equipments.

Allengers' years of expertise in imaging solutions, coupled with innovative research, results in providing a cost effective, result oriented radiography and fluoroscopy solutions to the medical world.

MARS 15-80

Allengers MARS Series of High Frequency X-Ray machines are specialized models for general radiography and fluoroscopic applications.



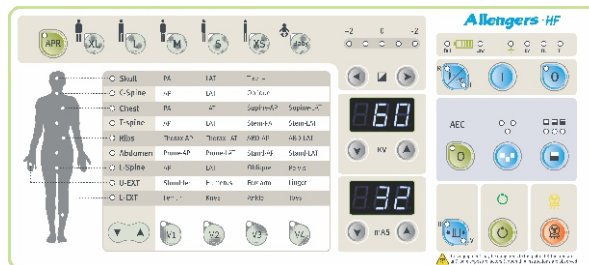
THE HF ADVANTAGE

- ✓ Lower Radiation Doses
- ✓ Diagnostic Precision
- ✓ High Quality Images
- ✓ Less Skin Dose

CONTROL PANEL

Very compact, soft touch control panel.

This panel can be supplied in floor or wall mount options and has a spill proof design.



STANDARD FEATURES

- Machine ON / OFF switch.
- Digital display of parameters.
- Parameter increase / decrease switches.
- Ready and X-Ray ON switch with indicators.
- Bucky selection switch.
- A dual action hand switch with retractable cord for radiation protection of operator.

SPECIAL FEATURES

- Pre-programmed parameters of human anatomy helps the user to select exposure parameters based on body part, examination view and size of the patient are available.
- Inbuilt micro controller based electronic overload protection device.
- Self diagnostic program which ensures system check and error display thereby improving fast fault detection.
- Automatic Exposure Control (AEC) that enables auto selection of radiographic factors, saves time, eliminates retakes, increases diagnostic capability and lowers radiation dose (optional).
- LCD -TFT touch control panel - as per user intended applications (optional).



X-Ray system with Floatex+ (6 way movement) table, tube mounted on ceiling suspended tube stand (manual / motorized / motorized auto tracking) and vertical bucky stand (manual / motorized)

TUBE STAND WITH CEILING SUSPENDED AUTO TRACKING (CSA)

This ceiling suspended tube stand has a 3D auto tracking (CSA) for synchronization with the bucky fitted inside the VBS / table.

This new generation ceiling suspended tube stand enables 3D movements of the X-Ray tube, thereby covering a huge operational area through its :

- Longitudinal movements.
- Transverse movements.
- Vertical up/down movements.
- X-Ray tube rotation (along with column axis).



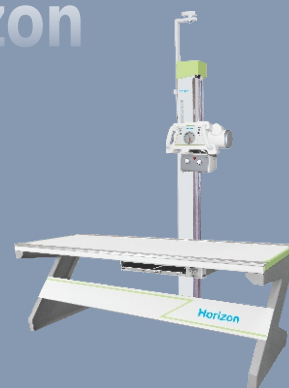
Experience the Versatility of Allengers X-Ray Systems

These units come with various combinations of tube stands and examination tables for various user profiles and application needs of specialists.

X-Ray system with horizontal table and floor to ceiling tube stand.

This examination table is a fixed bucky table which is most compatible with floor to ceiling stand for all general radiographic applications.

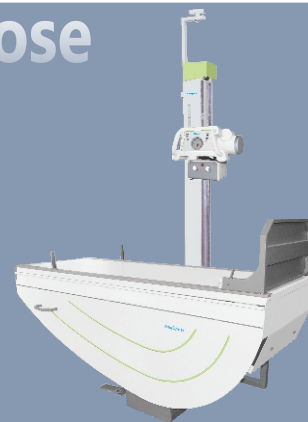
Horizon



X-Ray system with Multipose table and floor to ceiling tube stand.

This examination table is a manual multi-position hand-tilt table which allows all general radiographic applications where tilt of the table is required for specific radiographic procedures.

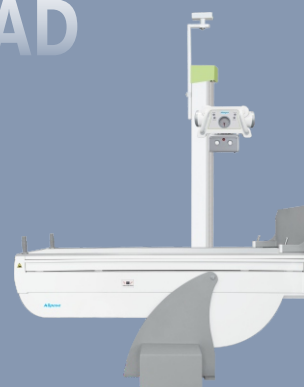
Multipose



X-Ray system with AllposeRAD table and floor to ceiling tube stand.

This examination table is a motorized multi-position table for all radiographic procedures.

AllposeRAD



X-Ray system with Allpose table and floor to ceiling tube stand.

This examination table is an all position motorized table in which Spot Film Device (SFD) is mounted for specific radiographic / fluoroscopic procedures.

Allpose



X-RAY TUBE HEAD

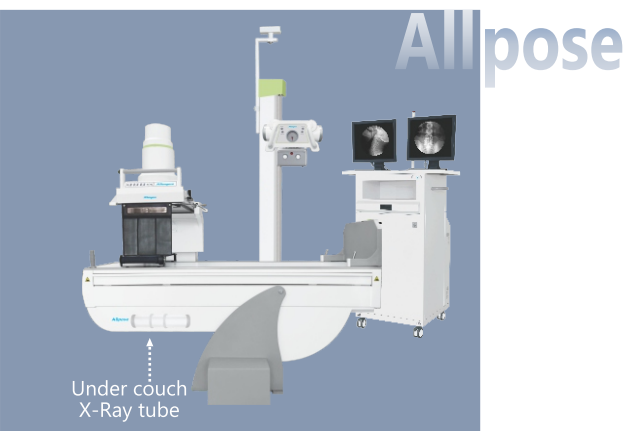
with electromagnetic locks (optional)



$\pm 90^\circ$ or $\pm 180^\circ$
as per the tube stand

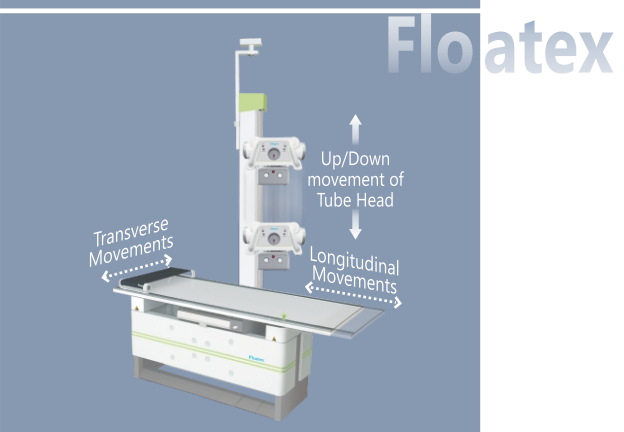
COLLIMATOR

(manually operated with light beam diaphragm)



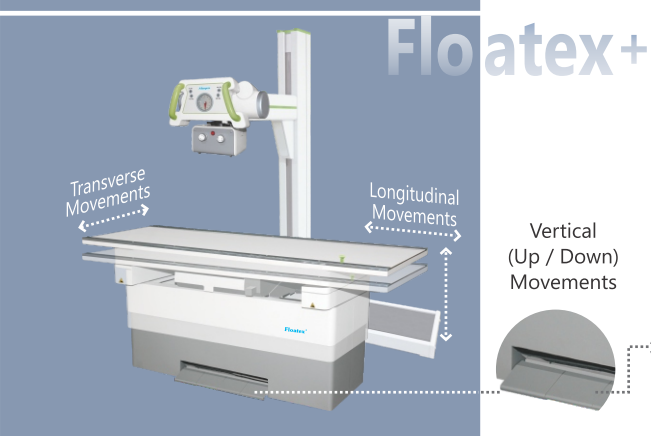
X-Ray and fluoroscopy system with Allpose table, I.I. TV system and floor to ceiling tube stand.

This system makes use of radiographic and fluoroscopic procedures in a single system. The system consists of a motorized table, tube mounted on FC stand, double X-ray tube (optional), Image intensifier with SFD mounted on table along with the imaging memory on a mobile trolley.



X-Ray system with Floatex table and floor to ceiling tube stand.

This table has 4 way effortless movements (transverse and longitudinal travel) for ensuring optimal patient positioning.



X-Ray system with Floatex+ table and ceiling free tube stand.

This table has 6 way movements (vertical, transverse and longitudinal travel) thereby ensuring optimal patient positioning, specially for trauma and old/critical patients. The Ceiling Free (CF) tube stand is most suitable for low ceiling rooms and also eliminates costly structural modifications.

Convenient foot pedals (up / down movement / bucky release / table top release) allows very easy and effortless patient positioning.

MAJOR TECHNICAL SPECIFICATIONS*

MODEL	MARS 15	MARS 30	MARS 40	MARS 50	MARS 50+	MARS 65	MARS 80
Series	MARS						
X-Ray Generator	High Frequency technology						
Output	15 KW	30 KW	40 KW	50 KW	50 KW	65 KW	80 KW
Application	R/R+F						
X-Ray Tube	Rotating anode dual focus x-ray tube						
Tube Stands	Option of following stands available: <div style="display: flex; justify-content: space-between;"> ■ Floor to Ceiling (FC) ■ Ceiling Suspended Manual (CS) </div> <div style="display: flex; justify-content: space-between;"> ■ Ceiling Free (CF) ■ Ceiling Suspended Motorized (CSM) </div> <div style="display: flex; justify-content: space-between;"> ■ Ceiling Free Spring (CFS) balanced ■ Ceiling Suspended Autotracking (CSA) </div>						
Examination Tables	Option of following tables available: ■ Horizon (horizontal fixed bucky table) ■ Multipose (manual hand-tilt multiposition bucky table) ■ Allpose (all position fixed / 2 way sliding table top motorized bucky table with SFD) ■ AllposeRAD (all position fixed / 2 way sliding table top motorized bucky table without SFD) ■ Floatex (horizontal table with 4 way movement table top) ■ Floatex+ (horizontal table with 6 way movement table top)						
Power Requirement	3 phase 400 VAC, 50/60 Hz. with line regulation of ± 10%						
	Max. 18.75kVA	Max. 37.5kVA	Max. 50kVA	Max. 62.5kVA		Max. 80kVA	Max. 100kVA
	For capacitor bank systems : Single phase 230 VAC ±10%, Max. 2.5 kVA for 15, 30, 40 KW RAD models						
Options	■ Vertical bucky stand (motorized/manual) ■ Servo stabilizer ■ LCD-TFT touch control panel						

IMAGING CHAIN (for fluoroscopy applications)		
Parameters	Pulse fluoroscopy with 800 x 600 resolution	Pulse fluoroscopy with 1K x 1K resolution
Image Intensifiers	9"	9"
Camera	Camera with CCIR Standard Analog Output	1K x 1K High resolution camera with digital output
Imaging Memory	DIP-IQ / DIP-IQ ⁺	Synergy software
Monitors	LCD / TFT - 17" / 19" / 21"	Monochrome medical display high resolution - 19"

For high-end digital fluoro applications the HF X-Ray machines can be configured and supplied in different combinations of image memories, image intensifiers and monitors as per users intended applications.

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

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 for more information Toll Free No. 1800-266-8800 (India)

Follow us on : www.medicasebox.org

(A Clinical BLOG) for clinical case studies



Where opinion and care matters...

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.