

High Frequency Fixed X-Ray Systems



Technology for
 Superb Images

Quality, System and
 Safety Certifications



35 Years of
 Serving
 Healthcare

Mars 40

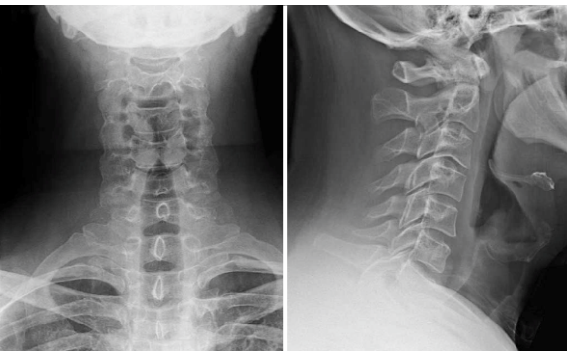
ABOUT US

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

Allengers' 35 years of expertise in imaging solutions, coupled with innovative research, has resulted in providing cost effective, result oriented radiography and fluoroscopy solutions to the medical world.

MARS 40

Allengers MARS 40 KW of High Frequency X-Ray machine is specialized models for general radiography and fluoroscopic applications.



THE HF ADVANTAGE

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

CONTROL PANELS

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



Compact, soft touch control panel



LCD -TFT touch control panel (optional)

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 which 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 expediting 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).

TUBE STAND WITH FLOOR MOUNTED CEILING FREE STAND

Ceiling free tube stand is a convenient and light weight Floor Mounted Tube Stand which can be accommodated in lesser space.

All movements :

- Column movements.
- Telescopic Horizontal.
- Vertical up / down movements.
- $\pm 90^\circ$ column rotation for lateral X-Ray on table.
- All movements controlled from soft touch keys on tube console panel for electromagnetic brakes.



System configuration shown above

Floor mounted X-Ray system with Floatex (4 way movements table) with table top and X-Ray bucky controlled by electromagnetic lock brakes and Vertical Bucky Stand (manual/motorized).



MAJOR TECHNICAL SPECIFICATIONS*

Model	Mars 40
X-Ray Generator	High Frequency technology
Output	40 KW
Max mA	500
KVP Range	40 - 125
Application	RAD
X-Ray Tube	Rotating anode dual focus x-ray tube
Tube Stands	Ceiling Free Spring Balanced (CF-SB) / Ceiling Free Counter Balanced (CF-CB)
Examination Table	Floatex (Horizontal table with 4 way movement table top) / Floatex+ (Horizontal table with 6 way movement table top)
Vertical bucky	Manual
Power Requirement	3 Phase 400 VAC, 50/60 Hz. with line regulation of $\pm 10\%$
	For capacitor bank systems : Single phase 230 VAC $\pm 10\%$, Max. 2.5 KVA (optional)

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



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

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