



## High Frequency Mobile X-Ray Systems



Bringing Imaging to the Patient .....  
 ..... where it's most needed



Counter Balanced Mobile  
 (CBM) System

Quality, System and Safety Certifications

## 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 product range offers the latest both in fixed and mobile HF X-Ray systems.

## MARS 15/30

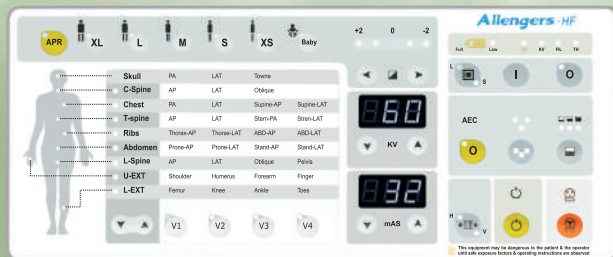
MARS Series of 15KW and 30KW of Counter Balanced Mobile (CBM) system and Spring Balanced Mobile (SBM) system, X-Ray machines are based on HF X-Ray generation technology. These machines are most suitable for applications where ease of mobility is required like in trauma cases and bed-side X-Rays in hospital wards. As the machines are very compact, light weight so can be taken through elevators with ease.

The HF X-Ray generation technology used in MARS 15/30 KW offers the following advantages over the conventional 2 pulse technology.

- Substantially lower exposure factors (radiation safety to patients & operators).
- Elimination of motion artifacts due to lower exposure time (excellent film quality).
- Negligible skin dose (radiation safety to patient).

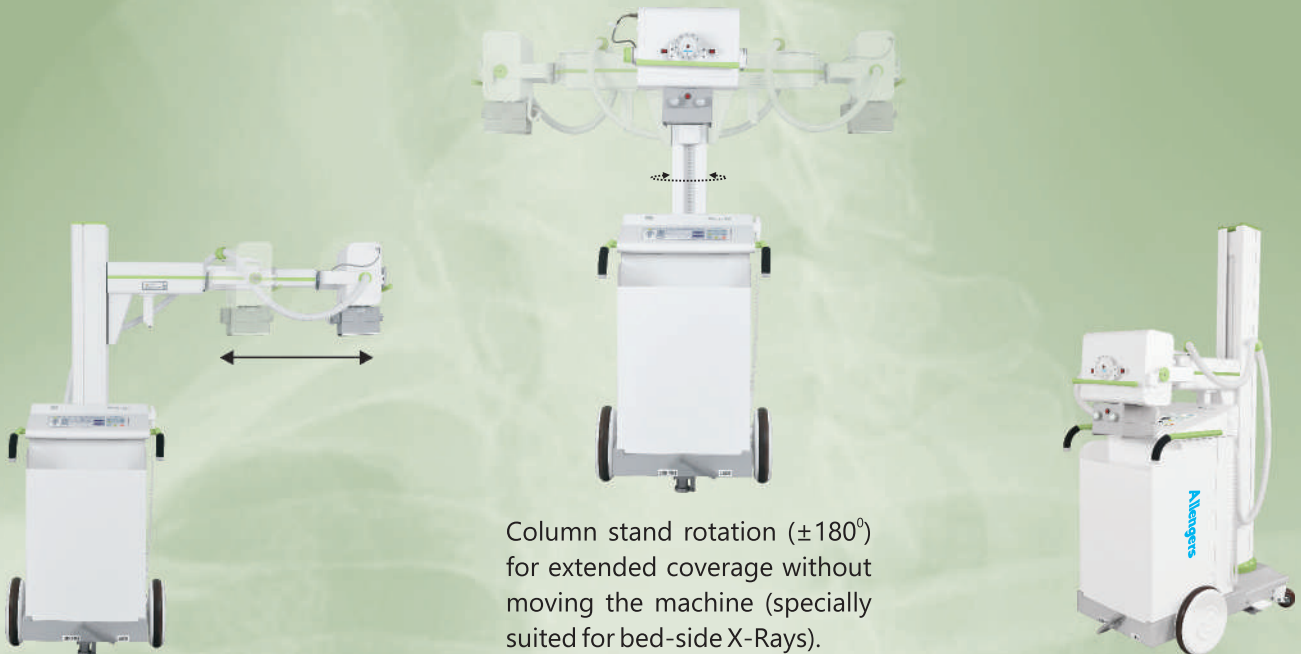
## CONTROL PANEL WITH APR

Totally feather touch microprocessor based control



Preprogrammed parameters of human anatomy having 216 APR helps the user to select exposure parameters based on body part, examination view and size of the patient is available.

## VERSATILE TUBE ARM POSITIONS



Extended telescopic movement of X-Ray tube arm for wider coverage.

Parking position

## STAND

Counter Balanced Mobile (CBM) stand having telescopic arm, with column rotation in all directions.



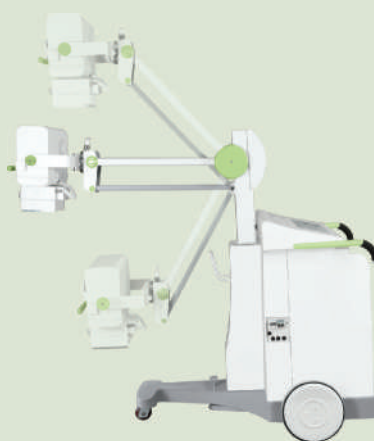
# MARS 15/30 SBM

High Power Ensures  
Blur Free Images and  
Shorter Exposure Time



Spring Balanced Mobile (SBM) System

## VERSATILE TUBE ARM POSITIONS



Up / down  
tube arm positions



Rotatable  
tube arm positions

## STAND

Spring Balanced Mobile (SBM) stand. The tube head can be moved in up/down position. The tube arm can be rotated  $\pm 90^\circ$  for side wise X-Rays in wards without the need to move the machine.

## VARIANTS OF MARS 15/30



### MARS 15/30

- The power pack technology allows us to operate higher KW machines on single phase 230 Volts, 15 Amps power socket, which otherwise require a 3 phase connection.

### MARS 15/30 (SERIES : DUO PP)

- "ON-LINE" exposures
- "OFF-LINE" exposures

Inbuilt dual power pack (DUO PP) so that machine can be run on single phase 230 Volts, as well as the machine can be run even without main power supply for doing 200 chest exposures.



## MAJOR TECHNICAL SPECIFICATIONS\*

| Models            | MARS 15                                                                                                                                                                                  | MARS 30 |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Series            | MARS                                                                                                                                                                                     |         |
| X-Ray Generator   | High frequency technology                                                                                                                                                                |         |
| KW Rating         | 15 KW                                                                                                                                                                                    | 30 KW   |
| KV Range          | 40 - 125 KV                                                                                                                                                                              |         |
| X-Ray Tube Head   | Monoblock                                                                                                                                                                                |         |
| X-Ray Tube        | Rotating anode X-Ray tube dual focus                                                                                                                                                     |         |
| Control Panel     | With APR                                                                                                                                                                                 |         |
| Collimator        | Manually operated with Light Beam Diaphragm (LBD)                                                                                                                                        |         |
| Power Requirement | 220 / 230 V AC $\pm$ 10% (model specific $\pm$ 20%), 50 / 60 Hz, 15A (or as per voltage / frequency available), single phase, independent earthing.<br>Optional : 110 VAC 50 Hz / 60 Hz. |         |

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

terms



Veterinary APR Panel (optional)

These models can be also provided for VET purpose based upon user intended application.



**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.**

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