

TECHNICAL SPECIFICATION

Sr.No.	Parameters	MENTOR-9 HF	MENTOR-9R HF
1	HF X-Ray Generator	70KHz,High Frequency	70KHz,High Frequency
2	Max.Power Output	3.5 Kw / 5 Kw	6 Kw
3	Tube Head	Monoblock	Monoblock
4	Type of X-ray Tube	Stationary Anode	Rotating Anode
5	X-Ray Tube Focal Spot	Dual(0.6 /1.5)	Dual(0.3 /0.6)
6	Kv Range	40 Kv to 110 Kv	40 Kv to 110 Kv
7	Fluro mA	4 mA	6 mA
8	Boost mA	8 mA	12 mA
Imaging System			
9	Image Intesifier Tube	9" (Triple Field) Thales / Toshiba	
7	Image Memory	DIP(CPU based Memory with 60000 images capacity) FOR 1K X 1K Camera(1 lakh images capacity)-Optional	
8	Camera	1/2" CCD Camera of high resolution 1/2" CCD camera 1K X 1K (Resolution 1024 X1024)-Optional	
9	Monitors(2 Nos)	19" Square Monitor with high gray scale	
10	Mode	Radiography Mode & ABS mode	
11	Power Requirement	230V, 50/60Hz,15Amp,Single phase ,Indepedent earthing	

The company have right to make any change in design or specification without prior notice or obligation

Quality and Safety Certifications.....



BIS-7620



AERB

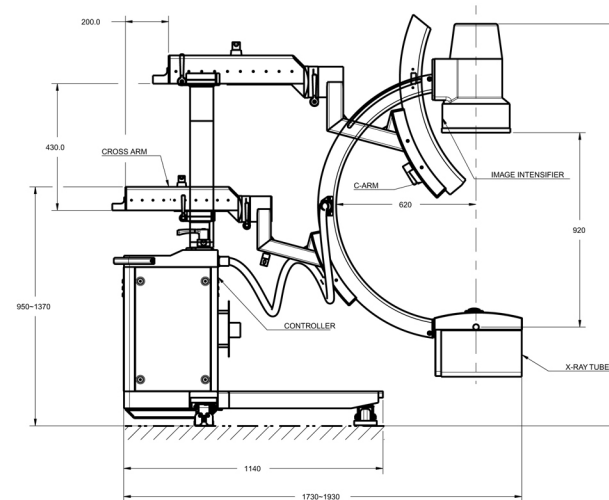


ISO 9001/ISO13485

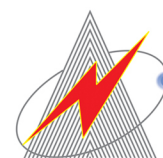


CE Mark

System Drawing Overview with component labeling



Represented by



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ALLANS

Your Satisfaction is our Technology



MENTOR - 9 HF / 9R HF

ALLANS High Frequency MENTOR Series
MENTOR-9 HF

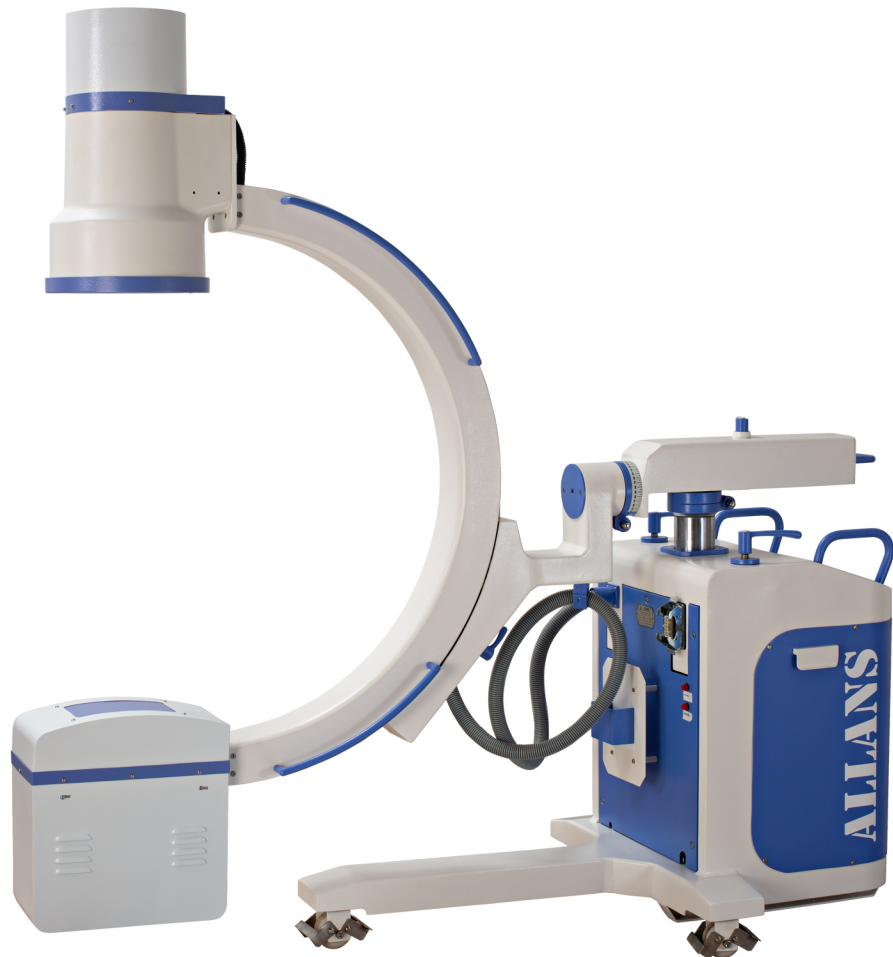
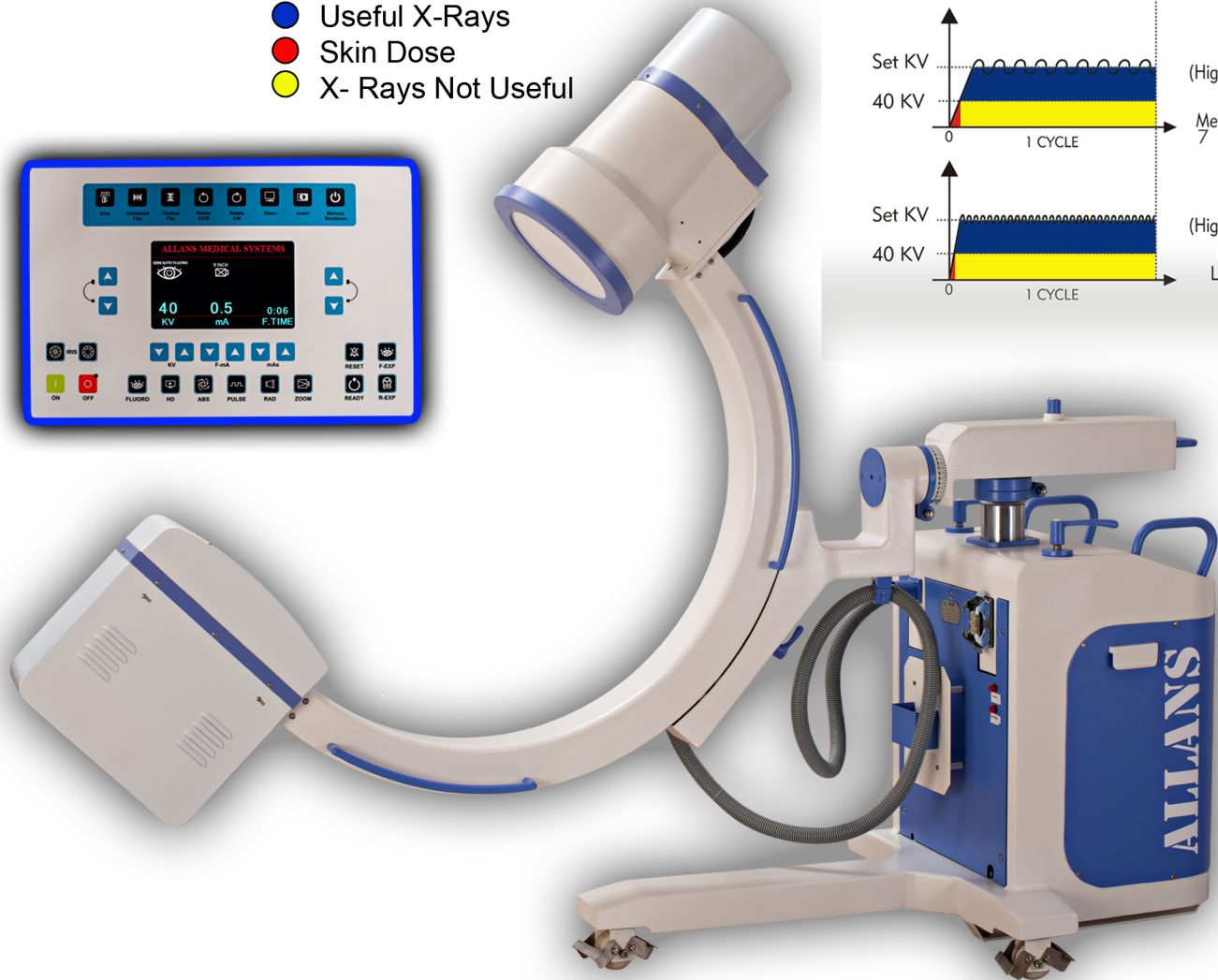
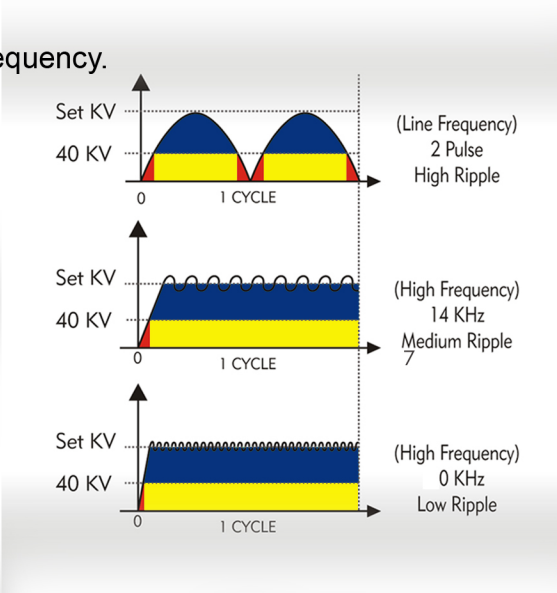
About ALLANS
Welcome to world of Allans Medical Systems Pvt. Ltd.
Established in the year of 1992.Allans has made name for itself in the biomedical engineering as a leading manufacturer for the x-ray equipments in the country. The company has been appreciated for perfectly engi-
neered xray equipments of excellent quality and high standard workmanship.

The company is managed by team of expert engineers having vast experience in the field of biomedical engineering.the company manufactured quality xray equipments from dental to all kind of xray machines ranging from 15mA to 500mA,C-Arm and Authorized dealer for AGFA CR Systems .ALLANS has now start-
ed High frequency series of x-ray machine and C-arm.

MENTOR-9HF
ALLANS high frequency C-Arm's are incorporated using the latest state- of-the-art High Frequency technology(70KHz) in which there is minimal production of non useful/harmful X-rays which providing more
advantages than line frequency.

- Gives 70% to 80 % more output than Line frequency machines.
- Very low skin dose because of negligible soft radiation.
- Output of HF is more constant than LF output because of high frequency.
- Less Exposure time required to get image compared to LF.
- HF generators ensure perfect dose parameters for desire image.

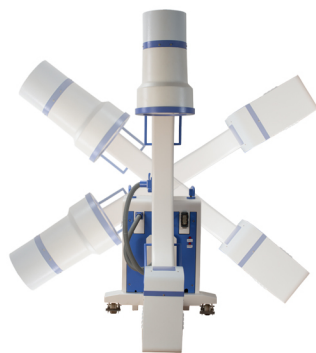
- Useful X-Rays
- Skin Dose
- X- Rays Not Useful



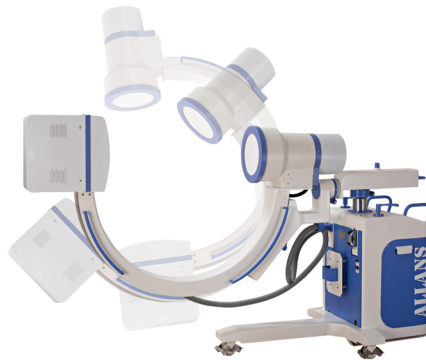
- **Database management**
 - Very convenient for image storage and search.
 - Easy management of patient database.
 - Compare live images and saved images from the database side by side during a patient examination.
- **Image Storage & Memory**
 - Hard Drive Capacity : 1TB Memory
 - Store more than 10,000 frames of images.
- **Variety of diagnostic image control tools**
 - Zoom, Contrast, Reverse, Rotation
 - Noise filtering, Edge Enhancement,
- Image processing : Real time & Post processing
- **Data Acquisition**
 - Image Size: 1024 x 1024
 - Pixel depth: 12 bits
- Automatic image capture

- **SPECIFICATIONS:**
 - **Computer PC System**
 - Window XP, Intel 2 Dual CPU
 - 3 GHZ, 1.98 GB of RAM
 - 1 TB hard driver
 - DIS software
 - Frame Grabber B/D adapter
 - DVD/ CD-ROM drive

- **Image Processing**
 - Window Level (contrast adjustment)
 - Real time & Post-Processing
 - Pan & Zoom Control
 - Image flip (Horizontal & Vertical)
 - Image rotation (360 °)
 - Noise reduction & recursive filter
 - Edge Enhancement (sharpness)



- 270° C-Arm rotation on each side, with manual brake for locking



- Orbital Movement : 125°
- Free space : 780 mm (±10 mm)
- SID : 980 mm (±10 mm)



- 200 mm (± 10 mm) Horizontal C-Arm run, with manual brake for locking