

Excellence in X-Ray Imaging  
www.alerio.in

# ALERIO<sup>®</sup> Maestro FIXED X-RAY SYSTEM 500i



## DC HIGH FREQUENCY FIXED X-RAY

40kW 40 -125kV 500mA 350mAs



- » Absolute
- » Accurate
- » Advanced

  
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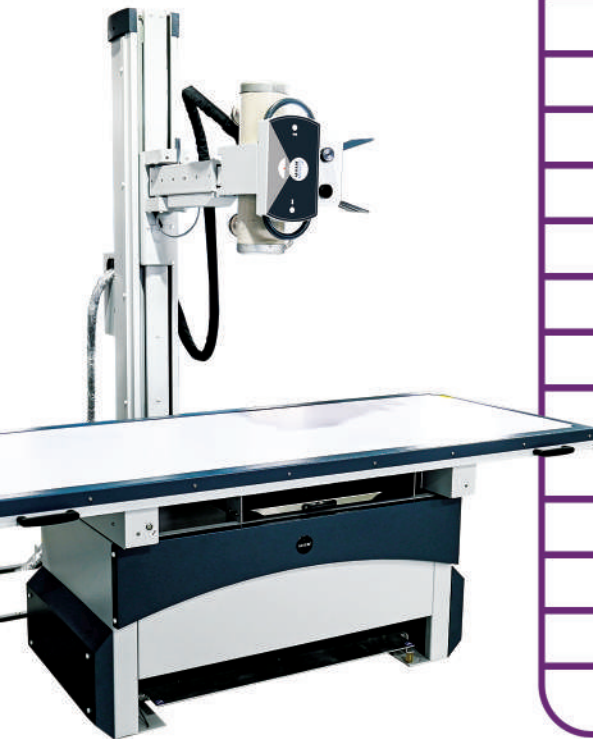


All information, images and data provided in this document are preliminary and provisional

**ALERIO** Maestro 500i is a powerful and state of the art Fixed X-Ray System for general radiographic procedures. **ALERIO** Maestro 500i employs High Frequency DC Output Generator Technology and Rotating Anode X-Ray Tube. High operation duty cycle for any type of x-ray procedures is possible. The image quality is the best when compared to any other x-ray types.

**ALERIO** Maestro 500i's Dual Focal Spot Rotating Anode Tube adaptively selects the Small or Large focus depending on the load factors and usage. The selection is optimised to select the Small Focus for most settings as it provides the best images. This system is powered from a 3-Phase mains power input. The simple user interface console with 400 Anatomical Programs is designed specifically for ease of use by technicians. The unit is ceiling free and comes with Floor Mounted tube stand, 4-way Floating Table and Swivelling X-ray Tube arm all with Electromagnetic locking system for fine and easy positioning.

**GENERAL SPECIFICATION**



Output kV Range	40 kV - 125 kV
Maximum mA	500 mA
Maximum mAs	350 mAs
Peak Power	40 kW
Exposure Time Range	0.005s - 5.0s
Input Power	3 Phase, 440VAC, 50Hz, with Neutral.
Focal Spot	Small focus 1.0mm, Large focus 2.0mm
Collimator	125kV Manual control
Generator Type	HF Inverter with DC Output
Leakage Radiation	<1mGy in 1 hour at 125kV
Total Filtration	2.5 mmAL
Tube Stand	Ceiling free floor mounted Electromagnetic locking
Table Top	Horizontal 4-way floating table with Electromagnetic locking
Exposure Control	Wired Switch
Anatomical Programs	Factory / User Programmable

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**SALIENT FEATURES**

- > High Performance X-Ray System
- > Dual Focal Spot Rotating Anode tube
- > 4-way Floating Table
- > Electromagnetic Locking System
- > 400 Anatomical Programs

**SAFETY FEATURES**

- > Circuit breaker for mains isolation
- > Low Leakage Radiation
- > Active Over-Load Protection
- > Adaptive Cooling Period
- > Digital Close Loop Control

