



MDX-300 / 500

HIGH POWER FIXED X-RAY MACHINES

Certifications: ISO 9001:2008
EN ISO 13485:2003
CE
BIS / AERB

... developed by a team of professionals with an experience of more than 25 years in the field of X-Ray Imaging.

300/500mA-125KVP, Full Wave Rectified X-Ray Generator with Rotating Anode X-Ray Tube for Rad only / Rad + Fluoro applications.



Motor Driven Table

Various Combinations of Examination Tables

Horizontal Table



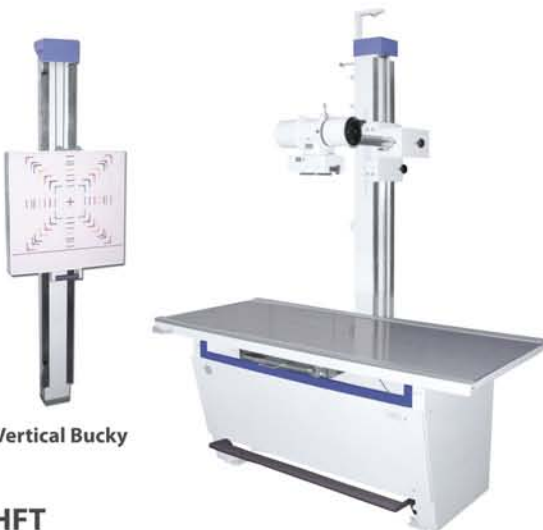
HRT
Horizontal Table with floor to ceiling tube stand

Manual Multi Position Table



MPT
Multi position (manual hand tilt) examination table with floor to ceiling tube stand has predefined 5 positions which is useful for various radiographic applications.

Horizontal Table with Floating Top



HFT
Horizontal Table with floor to ceiling tube stand. The floating top has transverse and longitudinal movement that ensure effortless patient positioning and minimizes patient discomfort. This combination is very useful specially in trauma cases.

Motor Driven Table & SFD (Spot Film Device)



MDT
All position (motor driven) examination table with floor to ceiling tube stand can tilt easily to any position (from trendelenburg to vertical) due to its motorized movement. This is an ideal combination for all kind of radiographic/fluoroscopic applications

MDX 300 / 500 - Technical Specifications

MDX 300

OUTPUT RATING (RADIOGRAPHY)	30KW as per IS : 7620 (Part 1):1986
	300 mA at 40 to 125 KVP
	200 mA at 40 to 125 KVP
	100 mA at 40 to 125 KVP
	50 mA at 40 to 125 KVP

MDX 500*

OUTPUT RATING (RADIOGRAPHY)	40KW as per IS : 7620 (Part 1):1986
	500mA at 40 to 100 KVP
	400mA at 40 to 100 KVP
	300 mA at 40 to 125 KVP
	200 mA at 40 to 125 KVP
	100 mA at 40 to 125 KVP

KVP RANGE (RAD)	40 to 125KVP in Steps of 1 KVP each
TIMER (RAD)	Electronic Timer with timing range from 0.01 to 5 Sec. in 24 steps
KVP RANGE (FLUORO)	45 to 100KVP in Steps of 5 KVP each *
FLUORO mA	0.1 to 3 mA continuously variable *
TIMER (FLUORO)	Cumulative timer upto 5 minutes *
CONTROL PANEL	Attractively designed Control Panel having the following functions & features for Radiography, Fluoroscopy & Spot filming * Push to ON/OFF Switches Voltmeter to indicate Input Voltage mA meter to indicate Tube Current Digital Display of mA, KVP & mAs Voltage Compensator for compensation of Input Voltage Tube Overload Protection circuitry Major & Minor KVP Selection Switches for Radiography Technic Selection Switch for tube current Time Selection Switch Bucky IN / OUT selection switch Space charge compensation Indicators for Line ON, X-Ray ON, Overload & Bucky ON Switches for Ready & X-Ray ON Spot filming at all mA stations * A Dual action Hand switch is provided on the Panel with retractable cord for radiation Protection
SAFETY FEATURES	Automatic trip off overload circuit breaker O/L indicator provided. Electronic overload protection with simultaneous protection from high input voltage, KVP, mA and Time
TUBE HEAD	Rotating anode X-Ray tube BEL THX-1 / DRA-1 or Toshiba E7239X
COMPATIBLE TUBE STANDS	Floor to Ceiling (FS) Floor to Ceiling with fluoroscopy (FSF) Floor to Ceiling with semi automatic Spot film device (FSSFD) Ceiling Free (CF)
COMPATIBLE TABLES	Horizontal Table (HRT) Horizontal Table with Floating Top (HFT) Multi Position Table (MPT) Motor Driven Table (MDT)
OPTIONAL	<ul style="list-style-type: none"> • Second X-Ray Tube • Image Intensifier IITV system 6" / 9" with 15" / 17" dual monitors and 32 / 100 frames image memory • Vertical Bucky stand • 30 / 50 KW X-Ray tube (BEL-THX-2/DRA-2, Toshiba E-7242X) for MDX 500
ACCESSORIES	<ul style="list-style-type: none"> (a) Manual Light Beam Collimator / Motorized Collimator (for fluoro applications) (b) Hand Switch with retractable cord (c) Aluminum filter (d) Foot Switch (for fluoro only)
POWER SUPPLY	440 Volts AC, \pm 10% Line Regulation, Three Phase, 37.5/ 50* KVA, 50 HZ. With Line Resistance of 0.2 Ohms. (Power Lines having Higher Line Resistance may Limit the output of X-Ray Generator) <i>* Features available in machines for fluoroscopy & spot filming applications</i>

Since R&D is a continuous process, features & specifications are subject to change without notice.

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Certifications: ISO 9001:2008, EN ISO 13485:2003

BIS / ISI, BARC/AERB, CE

