



**MDX-100DX/MCB**  
MEDICAL DIAGNOSTIC X-RAY



**Digital Console**

## **MOBILE X-RAY**

(100mA, 100 KVP Mobile X-Ray machine with digital control panel)

### **First time in India**

#### **Unique Features:**

- Soft touch keyboard
- Color TFT display
- Anatomical programme
- Self diagnostic programme

**CE, BIS / AERB APPROVED**

# MDX-100DX/MCB - Technical Specifications

## OUTPUT RATING (RADIOGRAPHY)

8KW as per IS : 7620 (Part 1): 1986  
100mA at 40 to 100 KVP  
50mA at 40 to 100 KVP  
25mA at 40 to 100 KVP

## KVP RANGE

40 to 100KVP in Steps of 2 KVP/Step.

## TIMER

Micro-controller controlled timer.

## CONTROL PANEL

Attractive and Ergonomic designed Digital Control Panel having Soft Touch Control of all Radiographic Parameters. The Equipment uses State of the Art Technology with Micro Controller to Control various Functions & Selections.

The Panel is equipped with a Multiline Graphical Color TFT Display. All Parameters, viz. KV, mA, Time, mAs are displayed on the TFT Display.

Two Modes of Operation are provided, Manual Mode & APR Mode, (Anatomical Programme). Anatomical Programme helps in Auto selection of Radiographic Parameters for different Sizes of Patients for their different Body Parts.

X-Ray counter. Auto selection of parameters as per screen speed.

Bucky Selection Switch. Indicators for Mains ON, Overload, Error, Ready & X-Ray ON are provided.

Pre programmed key for quick selection of parameters.

Equipment is provided with Voltmeter to indicate line voltage.

mA meter is provided to indicate tube current.

Automatic Input Voltage Compensation.

Auto stabilization of filament voltage.

## SAFETY FEATURES

Automatic trip off overload circuit breaker.

Electronic overload protection with simultaneous protection from high input voltage/KVP/mA/Time provided.

Self diagnostic programme.

Fuses for all circuits provided in the machine.

Error Indicator with Type of Error Displayed.

## TUBE HEAD

Self Contained Tube Head containing Stationary Anode X-Ray Tube (BEL DSA-3B / Imported). Compact Heavy Duty Full Wave Rectified H.V. Transformer and High Voltage Silicon Rectifiers immersed in oil and hermetically sealed. Tube head can be tilted 360° with full flexibility for use in operation theatres and in ward for bedside radiography.

## TUBE STANDS

Mobile Counter Balance (MCB)

## ACCESSORIES

- (a) Manual Light Beam Collimator
- (b) Hand Switch with retractable cord.
- (c) Aluminum filter.

## POWER SUPPLY

230 Volts AC,  $\pm 10\%$  Line Regulation, Single Phase, 50 HZ. With Line Resistance of 0.4 Ohms as per IS: 7620 (1). (Power lines having line resistance of more than 0.4 Ohms may limit the output of X-Ray generator.)