

# X-ray Unit

HF Mobile Medical Diagnostic X-Ray Machine



Model:  
HM-200 HM-300



Model:  
HM-32



Model:  
HM-200D  
HM-300D  
with wireless flat  
panel detector  
(achieve digital  
type)

## Advantage

- High frequency high voltage generator, digital display
- Toshiba X-ray tube, rotating anode
- Can work properly at 220V, very convenient
- 144 automatic radiographic program (ARP) (available on HM-200, HM-300)
- Remote exposure handbrake
- Electric driving system can forward and back easily (available on HM-200, HM-300)
- Swing arm  $\pm 90^\circ$
- Overload protection system, microprocessor control
- Large bearing wheels with braking system
- Optional Wireless Flat Panel Detector (achieve digital type)

Power source  
energy-storing device



## Function Introduction:

HF mobile X-ray machine is designed for radiography diagnosis for patients in serious conditions or unable to move. It can be used in the emergency rooms, operation rooms, quarantine rooms or wards of hospitals, and also serve as standby equipment in conventional X-ray checking, satisfying the needs of different aspects.

Wireless Flat Panel  
Detector: 1417V (Made  
in China)

Wireless Flat Panel Detector: 1417V (Made in China)  
Detector Technology: Amorphous Silicon  
Scintillator: CSI  
Active Area: 14"×17"  
Pixel Pitch: 150um  
Number of Pixels: 2304×2800  
Limiting Resolution: 3.4lp/mm  
AD Conversion: 14bits  
Accessory: Battery (2pcs), Battery charger, Cable, CD disk, Power adapter



## Main Technical Parameter

Model	HM-200 HM-200D(with Wireless Flat Panel Detector)	HM-300 HM-300D(with Wireless Flat Panel Detector)	HM-32 HM-32D(with Wireless Flat Panel Detector)
Max. Power	20 kW	25 kW	3.5 kW
Toshiba tube			
X-ray tube component	Rotating anode		Fixed anode
	Double focus: 0.6mm/1.2mm		Double focus: 0.6mm/1.5mm
	Heat capacity of anode: 150KHU		Heat capacity of anode: 34KJ
X-ray tube head turning	Lateral & Longitudinal turning		
	kV:	40kV ~ 125kV	
Radiographic	mA:	32mA ~ 200mA	32mA ~ 300mA
	mAs:	1 ~ 250mAs	
	Program radiography position	144 group position	
Collimator	Manual operation, Multi-leaf, Max. Field:17"×17" (SID=100cm) ,Brightness > 160Lux		
Operation panel	LED digital tube operation		
	Tube vertical movement range: 480mm~2000mm (from ground to focus)		
	Tube horizontal movement range: Max.1200mm (from the center of column to focus)		
	Tube side direction rotate range: left 90°~ right 90°		
Machinery movement	Tube longitudinal rotate range: front 90°~ back 30°		
	Arm horizontal rotate range: left 90°~ right 90°		
	Power supply	220V±10%, 50/60Hz	
Wireless Flat Panel Detector (achieve Digital type)	Optional Thales Wireless(3543ez) Or China Wireless(1417V)		

## High Quality Image



## Advantage

- High frequency high voltage generator, digital display
- Toshiba X-ray tube, rotating anode
- Can work properly at 220V, very convenient
- 402 automatic radiographic program (ARP)
- Remote exposure handbrake
- Swing arm ±90°
- Overload protection system, microprocessor control
- Large bearing wheels with braking system
- Optional Wireless Flat Panel Detector (achieve digital type)

 Model:  
HM-320

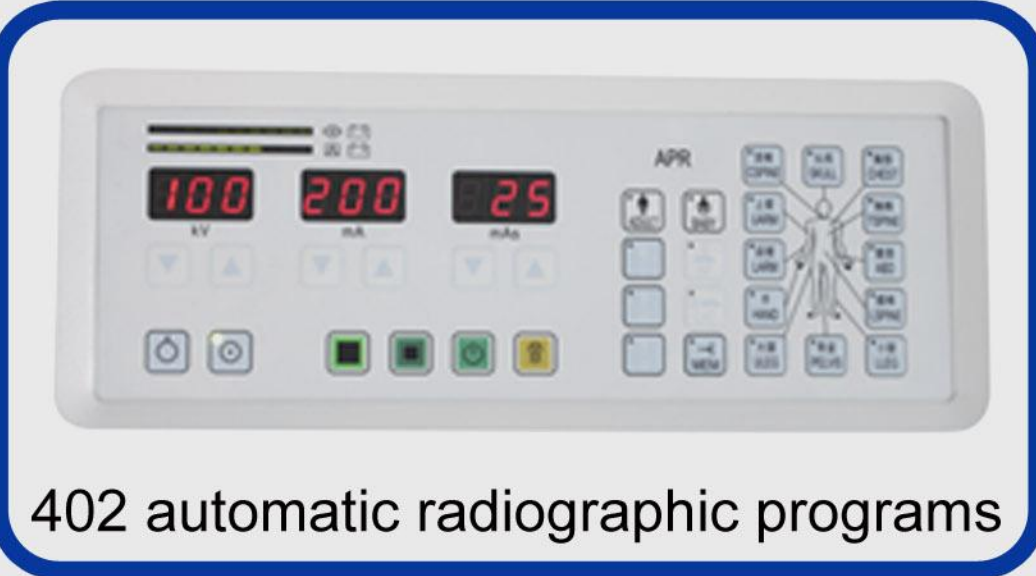
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402 automatic radiographic programs



Toshiba X-ray tube  
Rotating anode



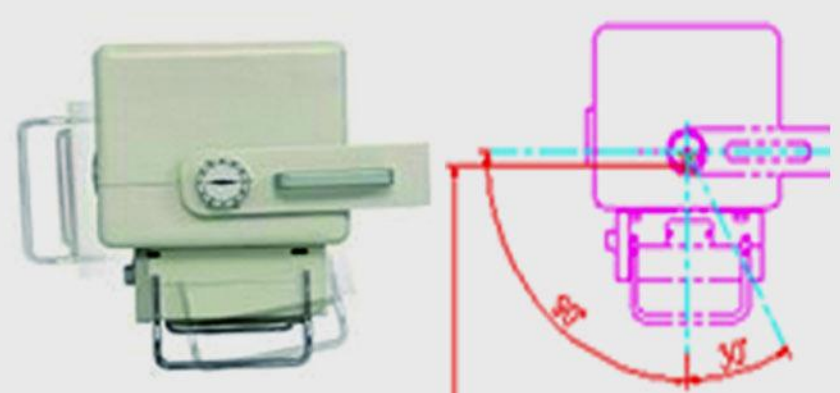
**Model: HM-320**  
**(400mA,32KW)**



Power source  
energy-storing device.  
Can work at 220V,  
convenient



Tube rotate as  
X axis:  $\pm 90^\circ$



Tube rotate as  
Y axis:  $+90^\circ \sim -30^\circ$



The support arm  
horizontal rotate:  $\pm 90^\circ$