

# High Frequency X-ray Radiography System

**Model: XR-6500**



This X-Ray Radiography machine is PLX6500 is used to photograph patient's head, chest, stomach, lumbar and extremities.

## Basic Configuration:

1, new integral radiography table (with pillar)	one unit
2, combined high-frequency high-voltage X-ray generator	one set
3, Colored LCD touch screen control box	one unit
4, Collimator	one set
5, Electric box	one unit
6, Toshiba X-ray tube	one unit
7, Bucky Stand	one unit
8. Automatic exposure ionization chamber	one unit
9. Remote Control Console	one unit

## Features:

- It is installed with close-table graphical colorful LCD touch screen and wireless remote control exposure, which makes the operator easy to use.
- We incorporate the latest compact high-frequency and high-voltage X-ray generator, which ensure superior image quality, while the skin dose is low, to protect the patient better.
- It can choose KV, mAs two buttons system photograph mode and Kv, mA, S three buttons system, two photography mode could meet different users professional requirements perfectly
- Adopt the technology of kV and mAs numeral closed loop control, real-time control of the microprocessor, which ensures the accuracy and repeatability of the output dose.
- Be equipped with radiography parameter of multi-part, multi-posture, multi-body, adult -child physical characteristic, the operator can modify and save the parameter by himself, which makes the operation more conveniently.
- First high power combined high frequency high voltage X-ray source and high frequency inverter power supply, which can reduce energy loss from outside HV generator and cable. It makes good quality X-ray, beautiful appearance and convenience.
- Possess multiple automatic protection and fault clue function, which makes the operation safer and more reliable.
- The radiography table can float in any direction, electromagnetic braking, position the patient more convenience and accuracy.
- X-ray generator component can move round the axis of X-ray generator, cross arm and Pillar stand , be convenient with side and slanting direction projection and radiography of patient on the stretcher.
- Be equipped with the chest stand, which is used in the radiography of the head, chest, belly, pelvic cavity, backbone and periphery.
- Control console of graphic program controlled LCD touch screen is optional, which can set the radiography parameter and exposure in another room.

## Specifications:

Output power	55kW
Main inverter frequency	60kHz
X-ray tube (Toshiba)	Rotary anode, dual-focus, large focus: 1.2mm, small focus: 0.6mm, the frequency for large is 75kW and small is 27kW. Anode thermal capacity:210kJ (300kHu) Tube thermal capacity: 900kJ
Rotary anode speed	9700rpm
mA range	10mA-500mA
Tube voltage	40kV-150kV
Anode target surface angle	12°
mAs	0.1-630mAs
Table radiography grids	Grid density:103L/INCH;Grid ratio:10:1;Focusing distance:120cm;Stationary type:15"×18"
Exposure Time	0.001s-12.5s
Power supply	380/400VAC three phase, 50Hz.
Operation method	close-table graphic program controlled LCD touchable screen operation; wireless remote control exposure

## Structural performance:

Table size	2000×760mm
Table height	≤700mm
Table transverse movement	≥220mm
Table longitudinal movement	≥900mm
Grids cassette holder movement	≥560mm
X-ray tube assembly center rotation	≥±120°
Rotation of the pillar	4×90°
Axial rotation	0-35°
SID	450-1200mm
Pillar movement along the table	≥1370mm
Film size in grids cassette	Max 356mmX432mm(14"×17")



## **XR - 6500**

High Frequency X-ray Radiography System

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# XR - 6500

## Close-loop Control Technology Multiple Photography Modes For Selecting

- ※ Designed with many beneficial characteristics to improve workflow.
- ※ AEC(automatic exposure control) enables auto selection of radiographic factors, saves time, eliminates retakes, increase diagnostic capability and lowers the radiation dose .



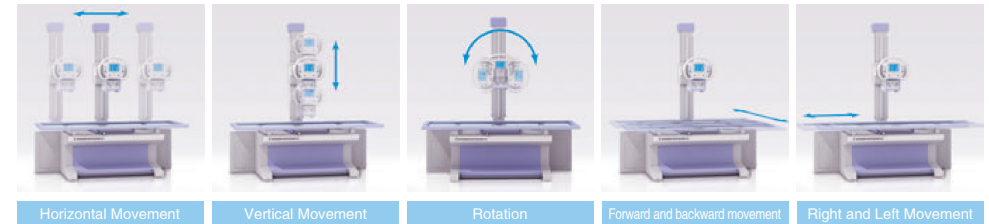
- ※ APR(anatomical programme)with film density control in which exposure factors include kV and mAs are automatically selected depending upon the physique of the patient and part of the body to be radiographed .
- ※ Table side human graphic LCD touch screen for parameters setting and remote control, make it easy and safe to operate.
- ※ Self-protection and fault-code alarming function for much safer operate .



Optional bucky stand: satisfy the vertical photography of head, chest, pelvis, spine and so on.  
Optional: human graphical LCD touch screen control console makes compartment photography be possible.

## Human-graphical parameters adjustment Remote control exposure

- ※ The table can float freely, electromagnetic brake to make the photography position more accuracy.
- ※ X-ray tube assembly can rotate around its axis, convenient for lateral, oblique and stretcher photography.



### Technical Parameters

Output power	55kW
Main inverter frequency	60kHz
X-ray tube	Rotary anode
	Dual focus: Large focus: 1.2mm; Small focus: 0.6mm
	Tube thermal capacity:1000kJ (1780kHu)
mA range	10mA-500mA
Tube voltage	40kV-140kV
mAs	0.1-630mAs
Exposure Time	0.001s-12.5s
Power supply	380VAC
Table Size	2000*760mm
Table Height	≤ 700mm