



Dedication Beyond Measure

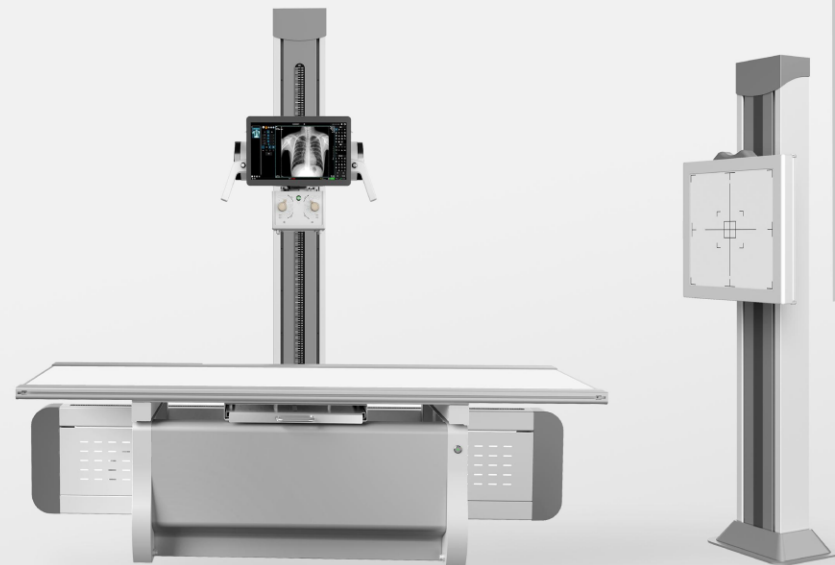
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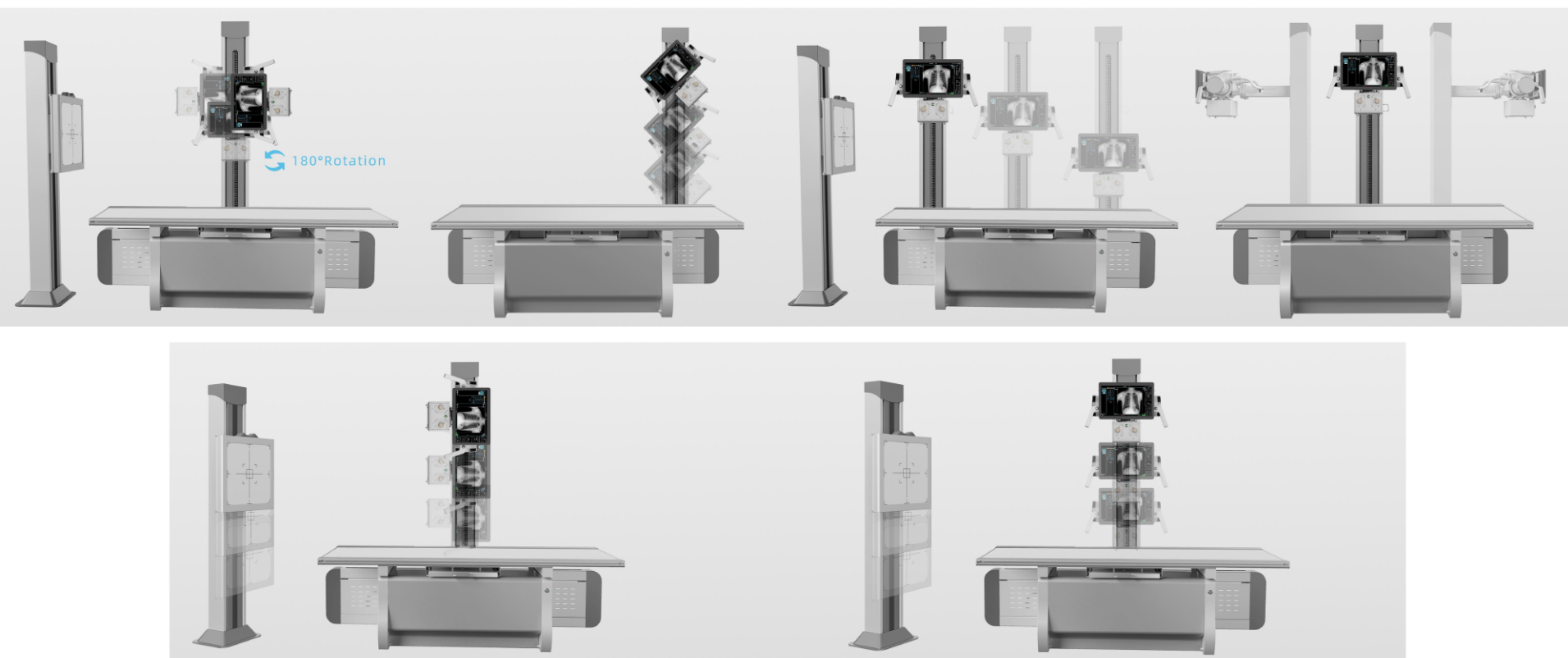
Floor-mounted Digital Radiography System

SHO-DDX05

Introduction

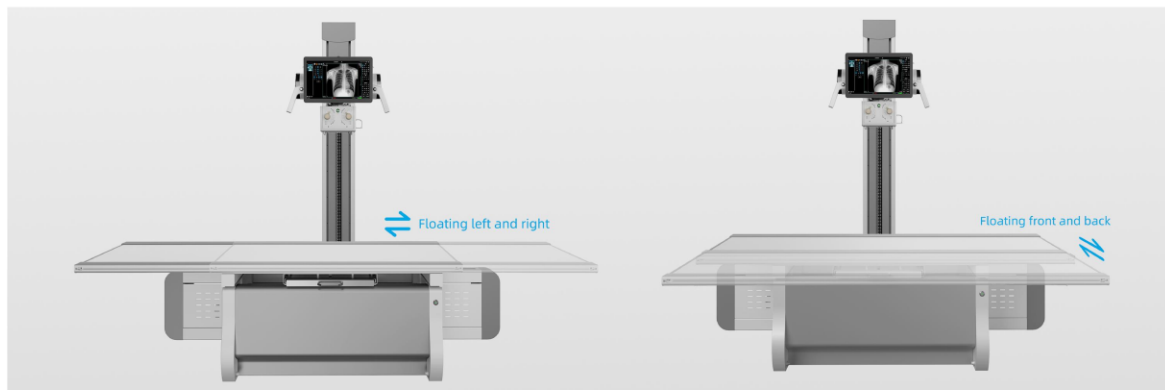
Floor-mounted Digital X-ray Radiography System adopts floor-mounted table and wall stands. Its smart design, flexible movement, easy operation and high working efficiency provide more imaging positions. It is a high-end digital radiography device with wide range of applications, which could perform routine imaging of human head, chest, abdomen, lumbar vertebra and limbs with PA, LAT and clinostatism in hospitals at all levels. Super 16 inch LCD touch screen control panel can both realize exposure parameter setting, body position setting and also can show the diagnosis image directly. The linkage between the computer workstation and the screen is realized.





Features

- ◆Sophisticated technology, high rotating speed, good heat dissipation, high heat capacity, suitable for long-time clinical examination, long product life.
- ◆High frequency generator with high X-ray inverse frequency, large power and good X-ray quality.
- ◆Intelligence high voltage control system with various APR.
- ◆New generation a-Si CsI flat panel detector with high conversion rate achieves digital image acquisition with low dose.
- ◆High standard digital image processing system provides more post-processing and meets clinical needs.



Specifications

Ambient Conditions

Ambient temperature 10℃~40℃
Relative humidity 30%~75%
Atmospheric 70~106kPa
Main head 16 inch touch screen control panel

Photography table

Type Radiography Table
Tabletop size 2100mm×800mmX60mm
load-bearing 300KG
Floating front and back 120mm/120mm
Floating left and right 380mm/380mm

X-ray detector(Flat Panel Detector)

Type Amorphous Silicon
ScintillatorCesium Iodide
Active Area 17x17Inch(43cm*43cm)
Active Pixel 3072*3072
Pixel Pitch 139um
A/D Conversion 16bits
DQE ≥ 70%
Spatial Resolution 36lp/cm
Acquisition time ≤2S

Column stand movement

Tube stand
Up-down movement (to photography table)
28~128cm
Stand left-right movement78.5~157cm
Rotational angles of stand +180°~-180°
Rotational angles of tube ±90°
Backy stand
FPD cassette Up-down movement 4~174cm

Collimator

Type Manual Collimator
Max. Window 440mm×440mm (SID=100cm)
Lamp AC/DC24V、5W
Lamp timer Automatic illumination with timer
for lamp(30S)
Inherent filtration 1.0mmAl
Illuminant LED

Workstation

Monitor 23" LCD Dell brand
CPU ≥2.8GHz
Memory ≥4GB
HDD ≥1TB
DICOM3.0 Query for integration with any PACS
Functions Import/export function
Image info
Management of patient info
Post processing
Measurement etc.

Grid

Densities 40LP/CM
Ratios 10:1
Size 18"×18"
Focal distance 100cm(Radiography table),
180cm(Bucky stand)

X-ray Generator

Model	SHO-DDX05 Series				
Output power	20kw	32kw	40kw	50kw	65kw
Current	10-320mA	10-400mA	10-500mA	10-630mA	10-800mA
Voltage	40-125kv	40-125kv	40-125kv	40-150kv	40-150kv
mAs	0.1-320mAs	0.1-400mAs	0.1-400mAs	0.1-630mAs	0.1-630mAs
Exposure time	0.002~6.3S				
APR program	Equipped				

Intelligent protection system

It has self-protection system.
It will give an alarm and check fault code.

X-ray Tube

Model	SHO-DDX05 Series				
Output power	20kw	32kw	40kw	50kw	65kw
Anode type	10-320mA	10-400mA	10-500mA	10-630mA	10-800mA
Focal Spot value	40-125kV	40-125kV	40-125kV	40-150kV	40-150kV
Maximum voltage	0.1-320mAs	0.1-400mAs	0.1-400mAs	0.1-630mAs	0.1-630mAs
Revolving speed of anode	50HZ: 2800rpm 60HZ: 3000rpm	50HZ: 2800rpm 60HZ: 3000rpm	50HZ: 2800rpm 60HZ: 3000rpm	50HZ: 2800rpm 60HZ: 3200rpm	50HZ: 2800rpm 60HZ: 3200rpm
Focus size	1.0/2.0	1.0/2.0	1.0/2.0	0.6/1.2	0.6/1.2
Anode heat storage capacity	150KHU	150KHU	150KHU	300KHU	400KHU
Maximum Anode Heat Dissipation	475W	475W	475W	750W	1000W
Housing heat storage capacity	900kJ	900kJ	900kJ	900kJ	1000kJ

