

Complete Digital Mammography System **DX2430**



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X-ray tube

Focal spot size (mm) : 0.1(10°) , 0.3(16°)
Filter : Rh & Ag
Target : Tungsten
Source to Image Distance(SID) (cm) : 65

X-ray Generator

High frequency inverter : 100 khz
Generator rating : 3.5kW
mAs range : 1 - 640mAs (Large focus)
kVp range : 22 - 39kVp, 1kV step (Large focus)

Gantry

Motorized vertical column
Two handles located on either side of arm
2 sets of preset position/speed switch buttons for quick positioning on handles
Manual fine tuning adjustment
Rotation Angle : +/- 180 deg.
Grid : 5:1 ratio, 36 lp/cm, Carbon fiber, Removable
Maximum compression force : 20dN

Digital Image Detector

Direct type of full field flat panel digital detector
Material & Design : a-Selenium + TFT array
Detector size : 24cm x 30cm (large type)
Pixel size : 85 microns
Image matrix : 2816 x 3584

Additional color LCD display (bottom of gantry)

Compression force in dN
Compressed breast thickness in mm
Angle of rotation

Exposure Mode

AEC (Automatic Exposure Control)
Manual
Automatic Collimator

Acquisition Workstation

High resolution color monitor : 21 inch LCD (1.6k x 1.2k)
Storage Capacity: 1500 Raw & 1500 Processed Images
Flip & Rotates, zooming, roaming
Inversion
Measurement Tools
CD-Rom for AWS

Networking

DICOM 3.0 Capability
Storage SCU
Modality Worklist SCU
DICOM Print SCU
Auto-transfer
CD-R Data Interchange

Accessories :

X-ray protection shield (1mmPb)
Face protection shield
Magnification platform
Compression/Decompression foot pedals (4 pedals)
Operator manual
Paddles
- Standard paddle (24cm x 30 cm)
- Standard paddle (18cm x 24cm)
- Magnification paddle (10cm x 10cm)
- Round spot paddle (dia 8cm)

