

TECHNICAL SPECIFICATIONS

Specifications

X-ray system

Dual X-ray absorptiometry, DEXA technology
Pencil beam with X and Y cinematic

Method of analysis

Dual X-ray absorptiometry, DEXA technology

Characteristics of analysis

- Rectilinear pattern
- Selectable motor drive speed (mm/s)
- Selectable image height and width (cm)
- Automatic adjustment according to patient morphology

Calibration and quality control

Automated calibrating system.
External calibration phantom.
Automatic control and trend plotting of internal calibration between each scan.

Window XP professional software

- Automatic and manual selection of Region Of Interest (ROI)
- Auto calculation of femoral neck, Trochanter, intertrochanter, spine and forearm mineral density.
- total hip
- InRowScan
- Multi-report
- Morphometry
- Intelli-scan
- Colour display of image
- Detailed colour print out of report (bone + reference curve + analysis report + operator comment)
- Patient reporting
- Multiple results comparison
- Facilities to patient follow-up
- Personalised multiple reference populations
- Dicom push & print 3.11
- Dicom worklist
- NHANES III base
- Touch screen
- Telemaintenance software
- Simple clic of a button archiving

Minimal Hardware configuration

P4 2.8 MHz or better CPU
6 GB hard disc or better
CD recorder
Super VGA graphic drivers
14 SVGA colour display monitor
Windows XP : 250 Mo

Type of survey	Scan time in minutes	Maximum dose in μ SV
Spine	1.5 to 4	20
Hip	1.5 to 4	20
Forearm	1.5 to 3	10

Distance to operator	Maximum dose in μ SV
1m	< 0.1 (negligible)

Dimensions and weight

L200 x I120 x h140 cm
L79" x w47" x h55"
250 kg /330 lbs

Environmental requirements

Ambient temperature : 15 - 26°C (60° - 80°)

Humidity : 20%-80% relative humidity, non condensing

Electrical requirements: 100 VAC +/- 15% - 5A 50/60 Hz

110 VAC +/- 10% - 4A 50/60 Hz

230 VAC +/- 10% - 2A 50/60 Hz

No external shielding is required

Energy splitting using Samarium filters : 35 KeV and 75 KeV, equivalent to about 0.4 mA max.

Comfort facilities / Accessories

Washable examination mattress
Calibration phantom
Patient positioning accessories

Applications

Spine
Femur
Total hip
Forearm
InRowScan
Intelli Scan
Paediatrics (option)
DICOM compatible

Worklist DICOM (option)
PDA compatible
Multi user data base
Auto calculation of density
Body analyser (option)
Push and Print (option)
Touchscreen software (option)

