

PRIMUS Technical Characteristics

Scan Site	Spine, Femur (Left/Right), Forearm, Lateral spine, Total Body.
Analysis	<p>BMD/FAT mode. BMD, T-score, Z-score, BMC, Area, BMI Body composition (FAT/Lean/BMC) Total Body Assessment Hip assessment: Upper/Lower femur neck analysis, Colour mapping, HAL (Hip Axis Length) and LVA (Lateral Vertebral Assessment) Pediatrics (Optional) Orthopedics (Optional) 10 years fracture risk report and fracture risk analysis (fracture risk %) Automatic calibration One scan: 2 or 3 sites scan simultaneously New AP Spine or Femur scans can be done by halting the current scanning process without changing the patients position</p>
Patient dose	Total Body : 2mR, Spine : 1.5mR, Femur : 1mR
Acquisition time	<p>Spine-Fast: 25sec. Femur-Fast: 25sec.</p>
Total body/ Body composition	5min (Depend on height)
User image enhancement	Contrast, Brightness, Zoom in/Out
DB	Data compatibility with GE, DB backup/Restore
PACS/DICOM	<p>PACS system/Worklist DICOM Compatible (including worklist)</p>
Multi-languages	English, Spanish, Portuguese, Chinese, French etc
Scanning method	<p>Narrow Fan Beam Ergonomic or normal User can add/delete bone and tissue to reduce errors in calculating BMD for fracture, implant and surgery area Laser pointer for positioning</p>
Scan area	<p>Total Body: 58/62 (Optional) x 200 cm Femur: 12 x 12 cm, Spine: 16 x 16 cm</p>

X-Ray Characteristics	<p>Constant potential source at 83kV Dose efficient K-edge filter High frequency: 50 kHz X-ray tube maximum: 3mA/83kV Dual energy Low-40kV/High-83kV</p>
Detector technology	CZT (Cadmium Zinc Telluride) detector
Dimensions(L x W x H)	2784 x 1045 x 1258 mm
Weight	210 Kg
Environmental requirements	<p>Ambient temperature: 17 – 30°C Power: 100 – 120 VAC. 50 – 60 Hz 220 – 240 VAC. 50 – 60 Hz Humidity: 20% - 80%, Non - condensing</p>
Computer Workstation	<p>Win 7 and Win 8 HDD: 500 GB, RAM: 4 GB It is optional depend on user requirement</p>
Monitor resolution	Over 1280 x 720 Pixel