Powerful images.
Clear answers.

Horizon™ DXA System: An Innovative Solution for Accurate Diagnosis

Hologic, the pioneer in X-ray based bone densitometry, takes advanced health assessment to a new level with the Horizon DXA System. This multi-faceted system can help clinicians assess bone health, body composition and cardiovascular risk — critical elements that will help patients keep life in motion.

The Horizon DXA System features the latest innovations in bone densitometry technology; including a new digital high resolution ceramic detector array, as well as a new high frequency X-ray Generator. When paired with our exclusive OnePass™ true fan-beam acquisition geometry, Horizon delivers rapid, dual-energy bone density measurements in a single-sweep, eliminating beam overlap errors and image distortion found in rectilinear acquisition techniques. We’ve also improved our Dynamic Calibration System, which delivers pixel-by-pixel calibration through bone and tissue equivalents — for greater long-term precision. The adjustable aperture is now completely lead-free. This, combined with the elimination of cadmium from the detectors, currently makes the Horizon DXA system the greenest on the market.
Horizon DXA system product specifications

Patient Weight Limit
450 lbs

Typical Exposure Time and Entrance dose
<table>
<thead>
<tr>
<th>Location</th>
<th>Exposure Time</th>
<th>Entrance Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumbar spine</td>
<td>10 sec</td>
<td>0.04 mGy (C, W, A models)</td>
</tr>
<tr>
<td>Proximal Femur</td>
<td>10 sec</td>
<td>0.04 mGy (C, W, A models)</td>
</tr>
<tr>
<td>SE femur</td>
<td>15 sec</td>
<td>0.025 mGy (C, W, A models)</td>
</tr>
<tr>
<td>IVA™ option in HD</td>
<td>15 sec</td>
<td>0.025 mGy (C, W, A models)</td>
</tr>
<tr>
<td>Whole body</td>
<td>174 sec</td>
<td>0.007 mGy (A models)</td>
</tr>
<tr>
<td></td>
<td>272 sec</td>
<td>0.015 mGy (W, W models)</td>
</tr>
</tbody>
</table>

Advanced Fan-Beam DXA Technology
- OnePass™ Acquisition Technique; Multi-Detector Array Scanning Method
- New High-resolution multi-element detector array with gadolinium sulfoxylate GADOX scintillator technology used in modern CT devices (64 to 216 detectors, model dependent)
- New High Frequency X-ray Generator
- X-ray System Switched-pulse dual-energy (100 kV/140 kV)
- Indexing Scan Table with Positioning Accessories
- Motorized Table and Rotating C-arm (A models)
- Motorized Table and C-arm (C, W, W models)
- Dynamic Internal Reference System for Continuous Calibration

Computer Console
- QDR™ Anthropomorphic Spine Phantom

Standard Computer Hardware (Minimum Configuration)
- Computer Workstation with Dual Core 3 GHz
- Windows® 7 Professional
- 250 GB hard drive
- 2 GB RAM
- 19" Widescreen LCD Monitor
- HP Professional Series Color DeskJet® printer
- DVD RAM drive

External Shielding
- None required

BMD Precision
- <1.0%

Scan Region
- 38" x 20" (77" x 26" on whole body models)

Table Height
- 28"

Calibration
- Automatic, continuous calibration using Hologic’s automatic internal reference system
- Operator calibration not required
- Automatic quality control program with multiple system checks

Temperature: 60° - 90°F (15°-32°C)
Power: 100 VAC (16 A); 120 VAC (14 A); 230 VAC (8 A)
Humidity: 20% - 80% relative humidity, noncondensing
Average heat load: 3,400 BTU/hr.

NOTE: Features and specifications subject to change without notice.

† Some components of the IRIS™ package can be purchased separately.
‡ Installation requirements for X-ray equipment vary. Check with local regulatory authorities.
## SKELETAL HEALTH

### Scan site specifications according to model

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<thead>
<tr>
<th></th>
<th>Horizon Ci</th>
<th>Horizon Wi</th>
<th>Horizon C</th>
<th>Horizon W</th>
<th>Horizon A</th>
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<tbody>
<tr>
<td>64 Detectors</td>
<td>64 Detectors</td>
<td>128 Detectors</td>
<td>128 Detectors</td>
<td>216 Detectors</td>
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<tr>
<td>Regional Scans 30 s</td>
<td>Regional Scans 30 s</td>
<td>Regional Scans 10 s</td>
<td>Regional Scans 10 s</td>
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<tr>
<td>Hi-Definition Vertebral Fracture Assessment with Abdominal Aortic Calcification detection</td>
<td>Hi-Definition Vertebral Fracture Assessment with Abdominal Aortic Calcification detection</td>
<td>Hi-Definition Vertebral Fracture Assessment with Abdominal Aortic Calcification detection</td>
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<tr>
<td>Advanced Body Composition™ Assessment with InnerCore™ Visceral Fat Assessment</td>
<td>Advanced Body Composition Assessment with InnerCore Visceral Fat Assessment</td>
<td>Advanced Body Composition Assessment with InnerCore Visceral Fat Assessment</td>
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<td>Lumbar Spine</td>
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<td>Decubitus Lateral BMD</td>
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<td>Decubitus Lateral BMD</td>
<td>Decubitus Lateral BMD</td>
<td>Supine Lateral BMD</td>
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<td>Dual Hip</td>
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<tr>
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### Research package option
- Prosthetic hip
- Small Animal
- Infant Whole Body with Body Composition Assessment and subregional analysis (Wi, W and A models)
The Horizon DXA system packs a lot of performance into a small footprint. Operating from existing dedicated power sources, the system fits comfortably in an 8’ X 8’ exam room (8’ X 10’ for whole body models) and requires no protective shielding or special room preparations.*

*Installation requirements for X-ray equipment vary. Check with local regulatory authorities.