

# Raising the bar.

The Horizon™ DXA system is a powerful solution to take skeletal health to the next level with higher quality images, patient throughput, reduced interpretation time and improved overall patient management.

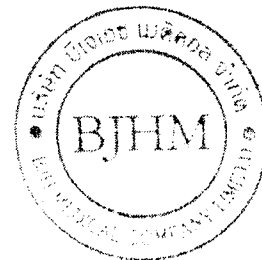
This multi-faceted system is the only one designed to assess three major health concerns:

- Osteoporosis – including the all new atypical femur fracture (AFF) assessment
- Body composition
- Cardiovascular risk

Keeping lives in motion. At Hologic, we define the standard of care in skeletal health. Our long history of innovation and expertise lets us bring you clinically meaningful and reliable technologies that move care forward. You can rely on us to deliver a versatile set of powerful tools that provides the comprehensive data you need to help keep life in motion for your patients.

Clinical Diagnostics Solutions  
Skeletal Health Solutions  
Women's Health Solutions

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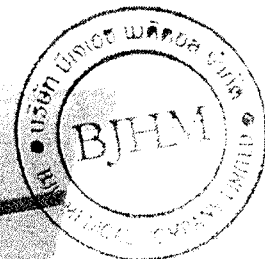
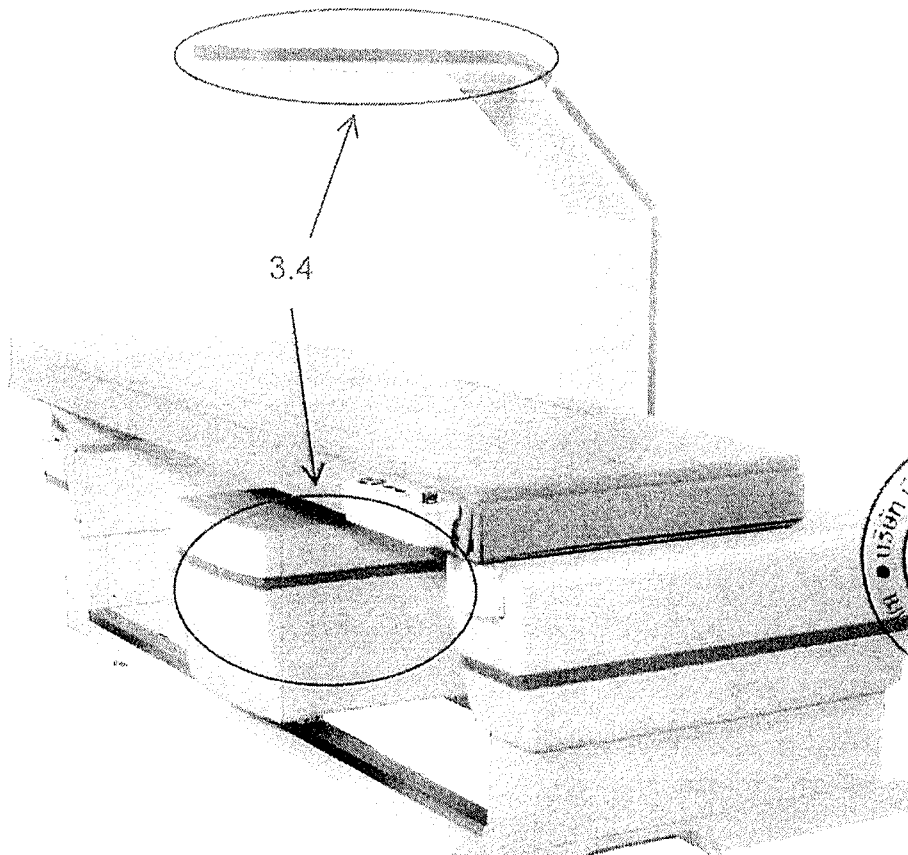
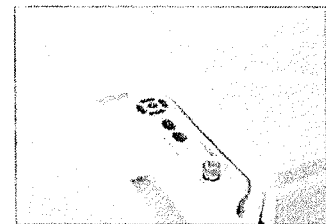
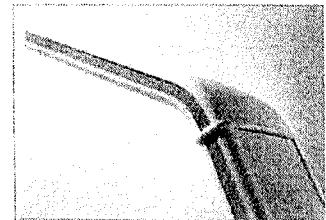
# Powerful images. Clear answers.

## Horizon™ DXA System: An Innovative Solution for Accurate Diagnosis

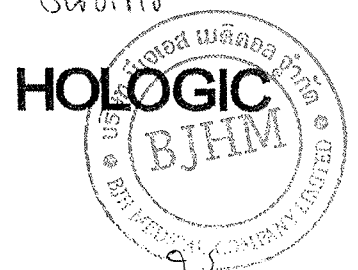
2.1 Hologic, the pioneer in X-ray based bone densitometry, takes advanced health assessment to a new level with the Horizon DXA System. This multi-faceted system can help clinicians assess bone health, body composition and cardiovascular risk — critical elements that will help patients keep life in motion.

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™ 3.5, 2.1 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.

2.3



หน้าบัตร



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# Horizon DXA system product specifications

Patient Weight Limit  
450 lbs **3.9**

Typical Exposure Time and Entrance dose  
Lumbar spine.....10 sec / 0.01 mGy (C, W, A models)  
Proximal Femur .....10 sec / 0.04 mGy (C, W, A models)  
SE femur .....15 sec / 0.025mGy (C, W, A models)  
IVA™ option in HD.....15 sec / 0.025 mGy (C, W, A models)  
**3.11.4** Whole body .....174 sec / 0.007 mGy (A models)  
272 sec / 0.015 mGy (W, W models)

### Advanced Fan-Beam DXA Technology

- OnePass™ Acquisition Technique; Multi-Detector Array Scanning Method
- New** High-resolution multi-element detector array with gadolinium sulfxylate GADOX scintillator technology used in modern CT devices (64 to 216 detectors, model dependent) **3.2, 3.3**
- New** High Frequency X-ray Generator
- X-ray System Switched-pulse dual-energy (100 kVp/140 kVp) **3.1**
- Indexing Scan Table with Positioning Accessories
- Motorized Table and Rotating C-arm (A models)
- Motorized Table and C-arm (C, W, C, W models) **3.5, 3.4**
- Dynamic Internal Reference System for Continuous Calibration
- Computer Console **3.5, 3.18**
- QDR™ Anthropomorphic Spine Phantom **3.19**

Standard Computer Hardware (Minimum Configuration) <b>2.3, 3.18</b>
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 <b>2.4</b>
DVD RAM drive <b>2.4</b>

### Standard Configuration:

- Hologic APEX™ Operating System **3.17**
- Automatic PASS/FAIL Quality Control
- Express BMD 10 Second Acquisition (C, W, A models)
- Single Energy Scan Display Capability
- Window/Level Control for Image Optimization **3.17**

### Apex Productivity Tools

- Express Exam™ Workflow Management **3.17**
- OneTime™ Auto Analysis with Histogram **3.17**
- ProTech with DXApro **3.17**
- Auto Hip Positioning **3.6, 3.17**
- Reposition/Rescan Feature
- Automatic Scan Comparison for Serial Exams
- Least Significant Change Configuration

### Horizon Advance Reporting Solutions

- QDR OnePage™ Report with Rate of Change Assessment **3.17**
- FRAX® 10 Year Fracture Assessment **3.17**
- New** Dual Hip™ Report **3.17**
- New** integrated Physicians Report Writer™ DX Feature
- Hologic Smartpage™ Analysis Feature **3.17**
- AP Lumbar Spine with Automatic Low Density Analysis and Scoliosis Analysis **3.17**
- Supine Lateral Spine with Baseline Compensation (A models)
- Proximal Femur, Automatic Low Density Analysis and Hip Structure Analysis™ (HSA) Feature **3.17**
- Dual Hip™ Feature **3.17**
- Forearm **3.17**
- Whole Body BMD (W, W, A models)
  - Advanced Body Composition™ Analysis with InnerCore™
  - Visceral Fat Assessment **3.16**
- IVA HD with Image Pro High Resolution Imaging Capability (C, W, A models)
  - Quantitative Morphometry
  - Integrated Physicians Viewer™ with MXApro™ Feature
- New** Atypical Femur Fracture Assessment (AFF) High Resolution Imaging Capability (C, W, A models)
- Pediatric Analysis for Spine, Femur and Forearm **3.17**
- Pediatric Whole Body with Body Composition Assessment **3.17** (W, W, A models)

### External Shielding

None required†

### BMD Precision

<1.0% **3.12**

### Scan Region

38" x 20" (77" x 26" on whole body models) **3.10**

### Table Height

28"

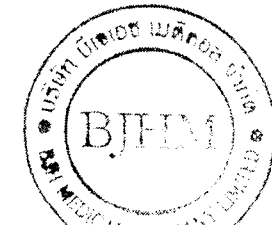
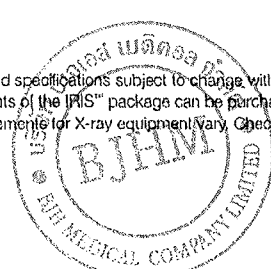
### Calibration

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

### Operating Requirements

- Temperature: 60° - 90°F (15°-32°C)
- Power: 100 VAC (16 A); 120 VAC (14 A); 230 VAC (8 A) / (50/60 Hz) **2.5**
- 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.



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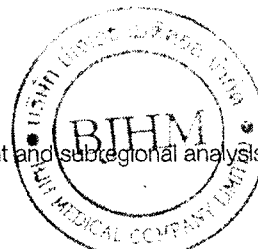
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Scan site specifications according to model

Horizon Ci	Horizon Wi	Horizon C	Horizon W	Horizon A
64 Detectors	64 Detectors 3.2	128 Detectors	128 Detectors	216 Detectors
Regional Scans 30 s	Regional Scans 30 s 3.11.1, 3.11.2, 3.11.4	Regional Scans 10 s	Regional Scans 10 s	Regional Scans 10 s
		Hi-Definition Vertebral Fracture Assessment with Abdominal Aortic Calcification detection	Hi-Definition Vertebral Fracture Assessment with Abdominal Aortic Calcification detection	Hi-Definition Vertebral Fracture Assessment with Abdominal Aortic Calcification detection
		Atypical Fracture Assessment	Atypical Fracture Assessment	Atypical Fracture Assessment
	Advanced Body Composition™ Assessment with InnerCore™ Visceral Fat Assessment 3.16		Advanced Body Composition Assessment with InnerCore Visceral Fat Assessment	Advanced Body Composition Assessment with InnerCore Visceral Fat Assessment
Lumbar Spine	Lumbar Spine 2.1	Lumbar Spine	Lumbar Spine	Lumbar Spine
Decubitus Lateral BMD	Decubitus Lateral BMD 3.8	Decubitus Lateral BMD	Decubitus Lateral BMD	Supine Lateral BMD
Dual Hip	Dual Hip	Dual Hip	Dual Hip	Dual Hip
Proximal Femur	Proximal Femur 2.1	Proximal Femur	Proximal Femur	Proximal Femur
Forearm	Forearm 2.1	Forearm	Forearm	Forearm
Hip Structure Analysis	Hip Structure Analysis	Hip Structure Analysis	Hip Structure Analysis	Hip Structure Analysis
General Region of Interest	General Region of Interest 3.7	General Region of Interest	General Region of Interest	General Region of Interest

Research package option

- Prosthetic hip 3.17
- Small Animal
- Infant Whole Body with Body Composition Assessment and subregional analysis (Wi, W and A models)



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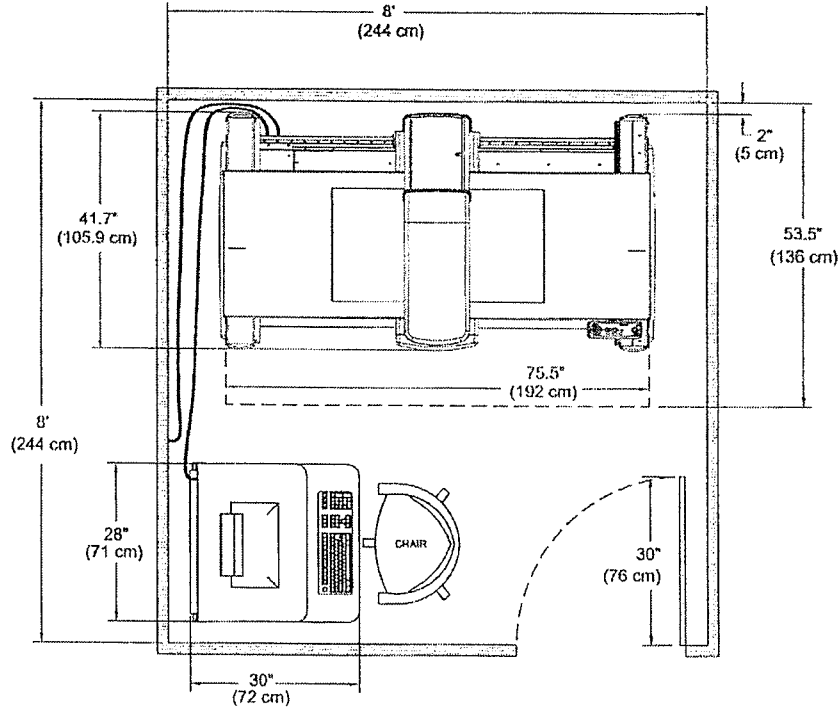
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# Horizon DXA system footprint



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.

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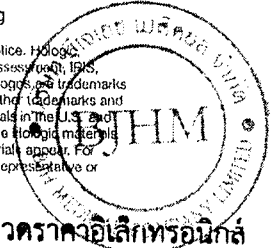
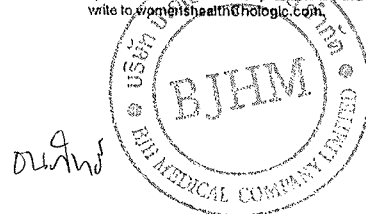
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