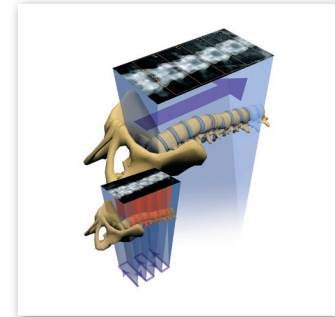


Horizon™ QDR™ Series

Technical Advantages

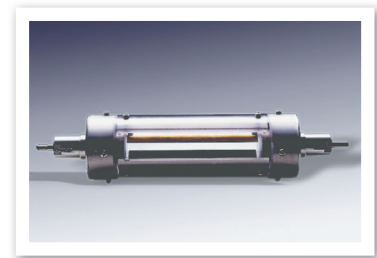
OnePass™ Acquisition Geometry

- Captures data in a single linear pass eliminating acquisition errors and image distortion found in rectilinear systems.
- Eliminates beam overlap and under-sampling of data.
- Provides the industry's fastest scan time¹ (10 seconds) and highest resolution images².
- Precision is independent of scan speed³.



Dynamic Calibration

- The Hologic unique calibration system provides automatic and continuous calibration of every pixel of every scan.
- Designed to eliminate the need for daily calibration.
- Provides excellent system stability for superior long-term patient monitoring⁴.
- Exclusively used in major osteoporosis studies including NHANES BMD Reference Data (NIH), Health, Aging, and Body Composition Study (NIH), Bone Mineral Density in Childhood Study (NIH), and other large studies.



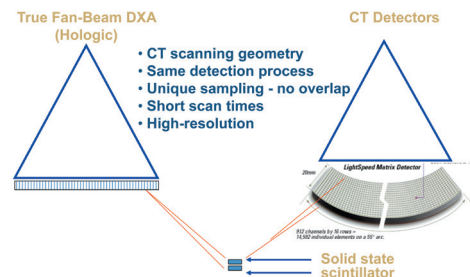
Reliable X-ray Tube

- Full-size, high-capacity x-ray tube.
- X-ray tube housed in oil to prevent heat damage.
- Eliminates the need for cool-down period.
- Track record of reliability.
- Enables high energy output.



High Definition Digital DXA Detectors

- Optimal approach for digital imaging detector technology and geometry as used by state-of-the-art computed tomography (CT) systems.
- Discreet high-efficiency digital (CT) detectors for high-definition imaging.
- Superior image quality for improved fracture detection².
- Independently shown to have the industry's best image quality².



¹ S. M. Natrass et al. (2002). Discovery QDR Series 10 second AP Spine and Hip Scan Modes - Precision and Accuracy Validation.

² Jankowski (2006). Quantifying Image Quality of DXA Scanners Performing Vertebral Fracture Assessment Using Radiographic Phantoms. ISCD.

³ J.A. Sheperd Ph.D. et al. (2008). Precision assessment of the Hologic APEX software. Osteoporosis Int. January.

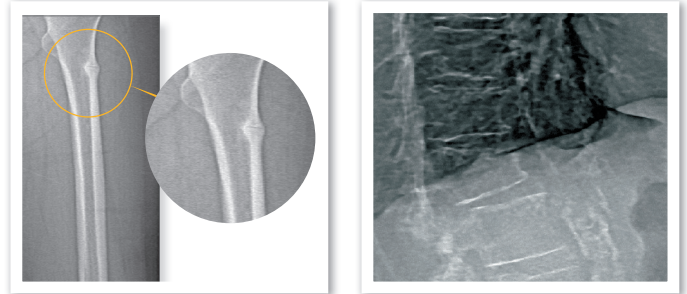
⁴ T.N. Hangartner (2007). A study of long-term precision of dual energy x-ray absorptiometry bone densitometers and implications for the validity of the least-significant-change calculation. Osteoporosis Int. 18:513-523 DOI 10.1077/s00198-006-0280.

Horizon™ QDR™ Series

Technical Advantages

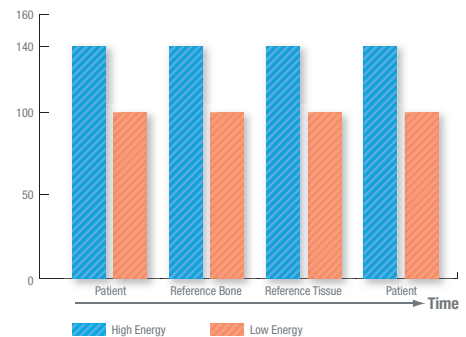
High Definition Imaging

- True fan-beam and CT-like high-resolution digital detector array for a high-definition imaging.
- Programmable x-ray controller allows the use of the correct imaging technique.
- Exclusive visualization of Atypical Femur Fracture; a potential side effect of common osteoporosis therapies.
- Exclusive visualization of abdominal aortic calcifications, an indication for cardiovascular disease^{5,6}.
- Better than double the resolution of previously available techniques.
- Offers rapid (15 seconds) safe low-dose single energy imaging.
- No blurring or distortion from overlapping beams.
- Interactive tools to aid analysis, classification and reporting.



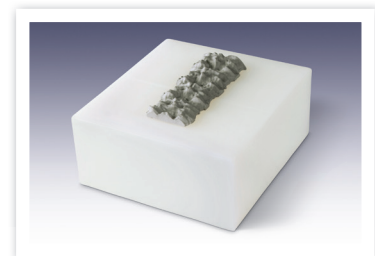
Energy Switching

- Energy switching technique uses higher energies - 140/100 kVp.
- Higher energy means better patient penetration.
- Better penetration allows accurate measurements of larger patients without slowing the scan.
- Separate energy pulses eliminate pulse pile-up and crossover which causes acquisition errors.



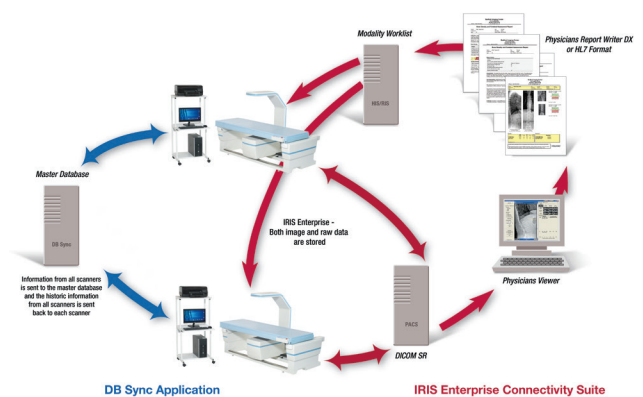
Anthropomorphic Spine Phantom

- Automatic quality control program with multiple system checks.
- Developed from human data, the anthropomorphic phantom simulates in vivo conditions.
- Assures confidence in long-term system stability and performance.



True Paperless Densitometry

- IRIS™ Enterprise Connectivity Suite provides the gateway for true paperless densitometry.
- Standard SQL database facilitates enterprise data management and improves database performance
- QDR DICOM seamlessly integrates reports into the PACS environment.
- Physicians Viewer™ software facilitates remote soft copy review of exams.
- Physicians Report Writer™ DX software provides automated reporting and reduced interpretation time.
- DB SYNC™ database synchronizer shares patient data between multiple DXA systems.
- DICOM, IHE Year 7 and HIPAA Compliant.
- Health Level 7 (HL7) Reporting reduces transcription errors and costs, improving workflow.



⁵ Wilson et al. (2001). Abdominal Aortic Calcific Deposits Are an Important Predictor of Vascular Morbidity and Mortality. *Circulation*. 1529-1534.

⁶ Hollander et al. (2003). Comparison Between Measures of Atherosclerosis and Risk of Stroke: The Rotterdam Study. *Stroke*. 2367-2373.