



All India Institute of Medical Sciences, Bhubaneswar
At - Sijua (Patrapada), Post - Dumuduma, Bhubaneswar (Odisha) - 751 019

To be uploaded in Website: www.aiimsbhubaneswar.nic.in (Tender).

Reference No: **J-11063(002)/2020-21/S&P**

Dated: 22/03/2021

Sub: Procurement of “Dual Energy X-Ray Absorptiometry (DEXA) Model:Horizen-A (Make: M/s Hologic Inc., USA)” for the Dept. of Endocrinology at AIIMS, Bhubaneswar on Proprietary basis - **Inviting Comments thereon.**

The Dept. of Endocrinology of AIIMS, Bhubaneswar has requested for Procurement of “Dual Energy X-Ray Absorptiometry (DEXA), Model : Horizen-A (Make: M/s Hologic Inc., USA)” through M/s ADS Diagnostc Ltd, New Delhi, Authorized distributor of M/s Hologic Inc., USA.

The Notice is being uploaded for general information of prospective manufacturer/Authorized Distributor/Dealers to submit their objection/proposal/comments, if any, on proprietorship of the item. In case the product of any manufacturer/Authorized distributor/Dealer conforms to the enclosed specifications, they may submit their proposal for the supply of the same along with the brochures, point by point compliance of the enclosed specifications along with all documentary evidence. One quotation of the product may also be submitted.

The objections/comments/proposal should be sent in sealed cover to the Office of Sr. Procurement Cum Stores Officer, AIIMS, Bhubaneswar (Odisha) – 751019 or through E-mail to aso@aiimsbhubaneswar.edu.in, aso.rnpattnaik@aiimsbhubaneswar.edu.in, spo@aiimsbhubaneswar.edu.in, so as to reach on or before **date: 05-04-2021** failing which it will be presumed that no other firm is interested to offer comments/protest/object and case will be decided on its merits.

The ref. no. – **J-11063(020)/2020-21/S&P** dt:22-03-2021, due on dated:05-04-2021 should be superscripted on sealed envelope.

Enclosure:

1. Proprietary Article Certificate from HOD, Dept. of Endocrinology, AIIMS, Bhubaneswar (**Annexure-I**).
2. PAC of M/s Hologic Inc., USA for the Dual Energy X-Ray Absorptiometry (DEXA) (**Annexure-II**).
3. Certificate of Authorization, Price quotation with CMC and for Dual Energy X-Ray Absorptiometry (DEXA) Model: Horizen-A (**Annexure-III**).
4. Technical Boucher of the items (**Annexure-IV**).

Copy to:

- | | |
|--|--------------------------------|
| 1. Dr.Kishore Kumar Behera, Dept. of Endocrinology | : for kind information please |
| 2. PS to DDA | : for kind information please. |
| 3. Accounts Officer | : for information please |
| 4. IT Cell | : for hoisting in the website. |

Sd/-

Sr. Procurement-cum-Stores Officer
AIIMS, Bhubaneswar

AIIMS, BHUBANESWAR

Proprietary Article Certificate
Valid for the Current Financial Year

File No. and Date Reference :		Dual Energy X-Ray Absorptiometry	
1	Description of article	Equipment.	
2	Forecast of quantity / annual requirement	R. 1.6 Crores (approx)	
3	Approximate estimated value for above quantity	Hologic n.v., Belgium.	
4	Maker's name and address		
5	Name(s) of authorized dealers/ stockists		
I approve the above purchase on PAC basis and certify that : - Note- Tick to retain only one out of (b), C-1) or (c-2) whichever is applicable and cross out others. Please do confirm (a) by ticking it - without which PAC certificate will be invalid.			
6 (a)	This is the only firm who is manufacturing / stocking this item. AND	Yes	
6 (b)	A Similar article is not manufactured / sold by any other firm, which could be used in lieu OR	NO	
6 (c-1)	No other make/brand will be suitable for following tangible reasons (like OEM/ Warranty, spares.) : OR <u>Ranking - Ranker C-arm Super lateral BMD & vertebral fracture assessment, SE femur for detecting incomplete femoral fractures</u> <u>TBS to assess the quality of bone architecture</u>	Yes	
6 (c)	No other make/brand will be suitable for following intangible reasons (if PAC was also given in the last procurement cycle, please also bring out efforts made since then to locate more sources) : OR		
7	Reference of concurrence of finance wing to the proposal :		
History of PAC Purchase of this item for past three years may be given below :			
Name of the Supplier			
Order/ Tender Reference & Date	Quantity Ordered	Basic Rate on Order (Rs.)	Adverse Performance Reported if Any

Signature of Approving Authority.....

Date..... Designation of Officer.....

Signature of the Indenting Officer
Dr. Kishore Kumar Behera 20/1/2021
Associate Prof.
Dept. of Endocrinology & Metabolism
AIIMS, Bhubaneswar-751019

HOLOGIC

Proprietary Article Certificate (PAC)

01 January 2021

Dear Sir,

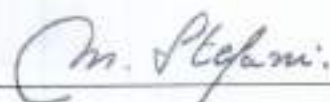
We hereby confirm and certify the Bone Mineral Densitometer (BMD) system "Horizon A" offered by M/s. Hologic, Inc., has unique features, which are not offered by any other Bone Mineral Densitometer system available in the market today.

The system "Horizon A" has the following unique features:

- Supine lateral BMD and vertebral fracture assessment for optical diagnostic sensitivity
- SE femur for detection of incomplete atypical femur fracture
- 216 multi element high resolution digital detector array
- Motorized table and rotating c-arm

Hence, the bone mineral densitometer system with the above unique features is the proprietary product of Hologic.

Yours Sincerely,



Michelangelo F. Stefani

Authorized Representative

HOLOGIC®

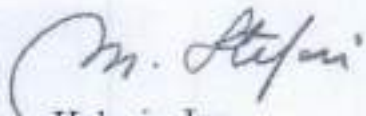
Letter regarding distributor appointment

Through this letter, we, **Hologic Inc.**, registered office located at 250 Campus Drive, Marlborough, MA 01752, U.S.A. ("Hologic"), legal manufacturers of Hologic Digital Mammography, Bone Densitometers Products and Breast Biopsy Devices, hereby declare that it has concluded with **ADS Medical Systems (A Unit of ADS Diagnostic Ltd.)**, 114, Sant Nagar, East of Kailash, New Delhi – 110065, India ("**Distributor**") a Distribution Agreement from **01 October 2019 until 30 September 2021**, for the Territory of India ("Territory").

We, Hologic Inc. hereby confirms that subject to the terms and conditions of the Distributor Agreement or until revocation of this letter, is authorized promote, sell, service and distribute to customers in the Territory, for the following Hologic products :

- Analog and Digital Mammography products
- Bone Densitometer products
- Breast Biopsy devices

The Distributor, M/s. ADS Medical Systems (A unit of ADS Diagnostic Ltd.) acts as an independent contractor. All statements and obligations made or undertaken by the distributor shall be done in Distributor's own name and responsibility.


Hologic, Inc.
Michelangelo F. Stefani
Authorized Representative





Registered & Corporate office :
114, SANT NAGAR, EAST OF
KAILASH, NEW DELHI-110065
TEL : 011-41620434
FAX : 011-26448906
E-mail: adsmedical@rediffmail.com

ADS/AIIMSBBBSR/03/20-21/83

8th March 2021

To,
The Director
All India Institute of Medical Sciences
Bhubaneswar, Odisha.

Subject : Quotation for Hologic Bone Densitometer.

Model	: Horizon A
Brand/Principal	: Hologic Inc. USA
Qty	: 01 (One)
Currency	: INR
Unit Price	: Rs. 1,49,00,000.00
Add : IGST @ 12%	: Rs. 17,88,000.00
Total charges	: Rs. 1,66,88,000.00

(Rupees One Crore Sixty Six Lakh Eighty Eight Thousand only).

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 One Pass 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.

Technical details :

- Advanced Fan-Beam DXA Technology
- Patient part localizer cross hair laser light
- One Pass Acquisition Technique; Multi-Detector Array Scanning Method
- High-resolution multi-element detector array with gadolinium sulfoxylate GADOX scintillator technology - 216 detectors
- High Frequency X-ray Generator
- X-ray System Switched-pulse dual-energy (100 kVp/140 kVp)
- Indexing Scan Table with Positioning Accessories
- Motorized Table and Rotating C-arm
- Dynamic Internal Reference System for Continuous Calibration
- Computer Console.



Standard Computer Hardware :

- Computer Workstation with Dual Core 3 GHz
- Windows® 7 Professional
- 500 GB hard drive, 2 GB RAM, DVD RAM drive.
- 19" LCD Monitor

- **External Shielding** : None required
- **BMD Precision** : <1.0%,
- **Scan Region** : 77" x 26"
- **Table Height** : 28"
- **Patient Weight Limit** : 227 kg

Standard Configuration :

- Hologic APEX™ Operating System
- Automatic PASS/FAIL Quality Control
- Express BMD 10 Second Acquisition
- Single Energy Scan Display Capability
- Window/Level Control for Image Optimization

Typical Exposure Time and Entrance dose :

- Lumbar spine..... 10 sec / 0.04 mGy
- Proximal Femur 10 sec / 0.04 mGy
- SE femur 15 sec / 0.025mGy
- IVA option in HD..... 15 sec / 0.025 mGy

Apex Productivity Tools :

- Express Exam™ Workflow Management
- One Time™ Auto Analysis with Histogram
- ProTech with DXApro
- Auto Hip Positioning
- 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
- FRAX® 10 Year Fracture Assessment
- Dual Hip™ Report
- Integrated Physicians Report Writer™ DX Feature

Quantitative Morphometry :

- Integrated Physicians Viewer™ with MXApro™ Feature
- Atypical Femur Fracture Assessment (AFF) High Resolution Imaging Capability
- Pediatric Analysis for Spine, Femur and Forearm



Horizon Scan and Analysis Protocols :

- AP Lumbar Spine, Automatic Low Density Analysis, Scoliosis Analysis
- Supine Lateral Spine with Baseline Compensation
- Proximal Femur, Automatic Low Density Analysis and Hip
- Structure Analysis (HSA) Feature
- Dual Hip™ Feature
- Forearm
- Whole Body BMD
- Advanced Body Composition™ Analysis with InnerCore
- NHANES body composition reference data
- Additional age, sex and ethnic matched reference data
- Visceral Fat Assessment
- IVA HD with Image Pro High Resolution Imaging Capability

Calibration :

- 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; 120 VAC ; 230 VAC
- Humidity: 20% - 80% relative humidity, non-condensing
- Average heat load: 3,400 BTU/hr

Phantom :

- Whole Body Phantom

Trabecular Bone Score (TBS) iNsign Software :

The TBS iNsign is advanced imaging software for bone densitometer. This simple, rapid and reproducible method estimates fracture risk based on a determination of bone texture (index correlated for bone microarchitecture), in addition to risks determined by DXA based bone mineral density, clinical risk factors and FRAX. The result is expressed as a Trabecular Bone Score (TBS).

Standard Terms & Conditions :

- 1) **Manufacturer/Principals :**
HOLOGIC Inc.
- 2) **Taxes:**
All Govt. levies such as GST, Octroi, Entry Tax and other taxes, if applicable, shall be charged extra.
- 3) **Custom Duty, Freight & Insurance:**
Included in the price.



- 4) **Delivery:**
Within 60 working days after receipt of purchase order and advance payment.
- 5) **Payment terms :**
As per hospital rules.
- 6) **Installation:**
Installation of the equipment shall be done free of cost by the **Company**.
- 7) **Warranty:**
The Warranty shall be 05 (Five) Years from the date of successful installation of the equipment.
- 8) **C-AMC charges (labour & spares) :**
Rs. 8,00,000.00 plus GST extra.
- 9) **UPS:**
3 KVA online UPS with minimum 15 minutes battery back-up of reputable make will be supplied with the machine by the **Company**.
- 10) **Printer:**
Color Desk Jet Printer will be supplied with machine by the **Company**.
- 11) **Stadiometer & weighting scale :**
Imported stadiometer and weighing scale shall be supplied with the machine by the **Company**.
- 16) **Pre-Installation Requirements:**
The Horizon A system can be fit through a 76cm (30 inch) wide doorway. A hallway at least 115cm (45") wide simplifies and speeds up installation. The Horizon A series operator's console is connected to the scanner table by a 4.5m (15') cable. Since the leakage and scatter radiation levels are low, you can place the operator's console in the same room with Horizon A series scanner. Additional shielding should not be required, however state regulations may vary. When planning room layout, bear in mind that the signal and console power cables come out of the left rear corner of the scanner unit and plug in to the operator's console. The system power cable comes out of the left rear corner of the scanner unit and plug into a wall outlet. The length is 4.5m (15'). The weight of Horizon A is 327 kg, The floor must be level to within 3cm across 2m. Preferably the room dimensions should be 12 ft x 10 ft.

Temperature / Humidity Control:

Temperature : 20° to 26°.

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



Heat Load:

The Horizon A will add 1000 watts (3400 BTU/Hour) to the air-conditioning load of the room. Hence, the room air-conditioning should be installed to maintain the temperature /humidity control accordingly.

Power Requirements:

Voltage (volts) : 230, Frequency (Hz) : 50, Current (Amperes) : 8.0, Maximum apparent line resistance (ohms) : 1.28, with a dedicated, single phase, grounded, electrical circuit is required.

17) Turnkey/Room Modifications charges :

Turnkey and room modification charges shall be extra as per department requirements.

18) Application Training:

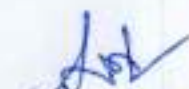
Training for Application, Part of technical & Handling of the equipment will be provided by the **Company**.

19) Road Permit:

If required, the Road Permit shall be provided the Customer, without the road permit the machine shall not be dispatched.

Thanking you,

Sincerely yours,
for ADS Diagnostic Ltd.


Krishan Tanwar
Sales Manager.
Mob : 9999416409



Introducing the future of DXA



Powerful images.
Clear answers.

Horizon™ DXA System

HOLOGIC
Every Life Is Extraordinary

Keeping life in motion.



These facts speak volumes about the devastating effects of chronic disease. They also signal a growing demand for reliable screening, early detection, and personalized care aimed at helping people everywhere live longer, healthier lives.

Hologic's new Horizon DXA System generates the crisp, clear, high-resolution images you need to accurately assess bone density, fracture risk, body composition, and calcified plaque in the abdominal

aorta. All during a single exam. It combines a wealth of advanced, proprietary technologies that work together to give you a precise picture of what's going on inside a patient's body. Regardless of size³ or medical condition.

With the Horizon DXA System, you can make informed diagnoses and treatment decisions with confidence. And deliver the extraordinarily powerful care your patients need to keep life in motion.

Hologic turns ideas into innovation. Again.

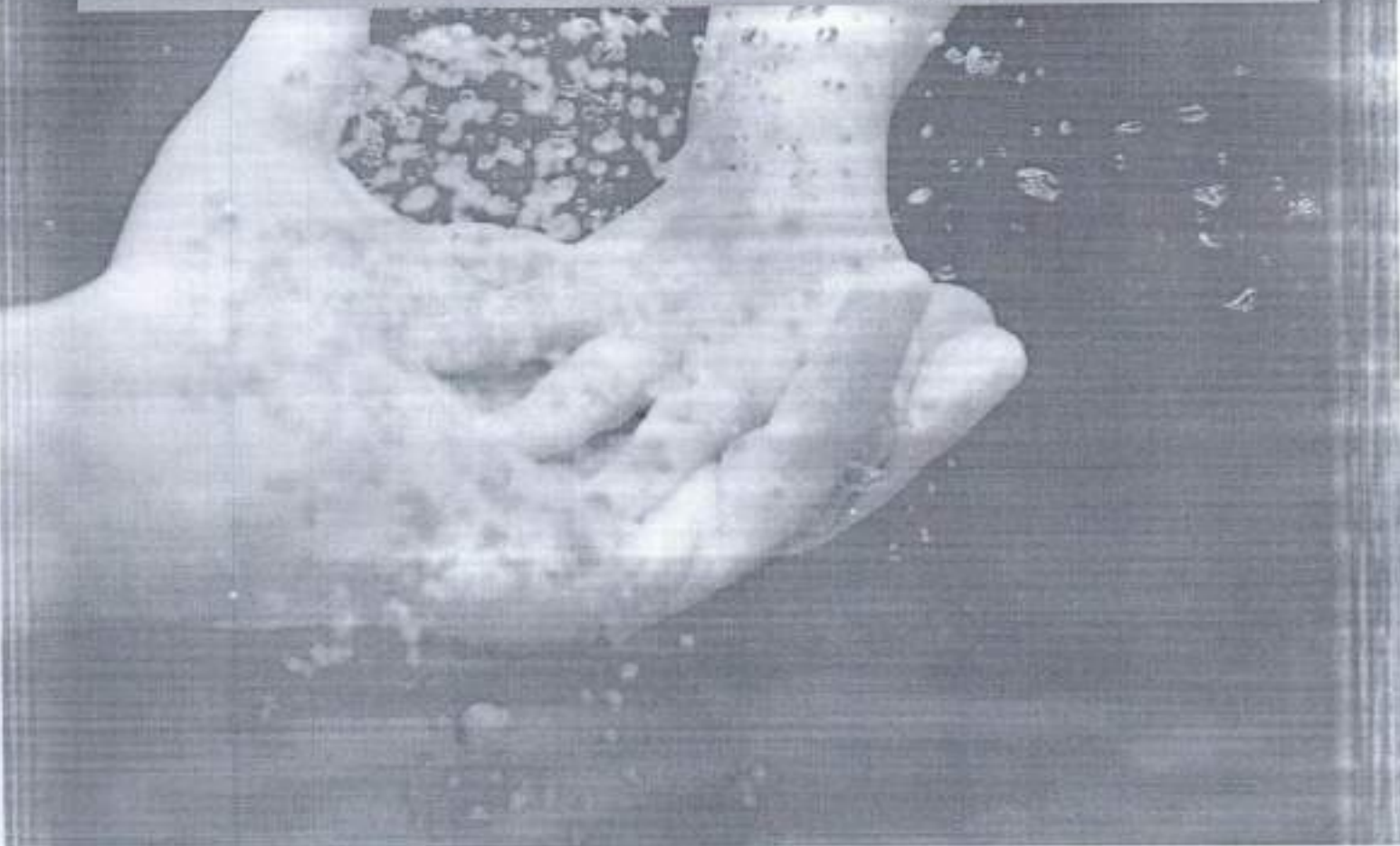
Hologic cares about you and your patients – about keeping their bones healthy, so they can move freely and enjoy life to the fullest. We were the first company to introduce a dual-energy, X-ray absorptiometry system, setting the standard for bone densitometry. Now we're taking it to the next level with the Horizon™ DXA System, an innovation designed to create higher quality images for you and improved quality of life for your patients.



A 10-second spine and hip bone scan determines fracture risk.

Color image mapping can be utilized for verifying and evaluating trending changes in body fat.

Abdominal Aortic Calcification (AAC) screening for cardiovascular assessment.



Remarkable images for richer lives.

When your patients' health is in your hands, you want the highest quality images possible to accurately determine bone mineral density, pinpoint fractures, identify aortic calcifications, and measure body composition.

The Horizon DXA System delivers. A new, multi-element detector array incorporates the same high-definition technology used in modern CT devices. It enables you to capture highly detailed images you can trust — even when imaging large, obese patients. With its low-noise detectors, you have the power to assess an expanded range of clinical conditions with speed and precision.

Hologic's detector array also works in concert with a new high-capacity X-ray generator to increase heat-load capacity for longer life — with no cool-down time. Not only does this help increase patient throughput, it improves image quality.

The Horizon DXA System's remarkable, high-resolution images are designed to enrich lives — yours and your patients.

Atypical Femur Fracture Assessment

Only Horizon DXA produces radiographic quality images of the entire femur for assessment of potential atypical femur fractures. A quick, 15-second scan reveals cortical thickening of the bone, making it fast and easy to monitor the effects of bisphosphonate therapy over time.

Abdominal Aortic Calcification

This is the one DXA system that lets you visualize calcified plaque in the abdominal aorta, which may be a significant indication of heart disease and stroke — two of the leading causes of death in men and women.

Instant Vertebral Assessment™ Scan

Assess fracture risk by combining an accurate assessment of bone density with high-resolution vertebral imaging. You can identify spine fractures with a low-dose, single-energy image in 10 seconds.

BMD Histogram

Improve accuracy and reduce post-exam analysis errors with precise, software-assisted placement of inter-vertebral disc spaces for graphic analysis.

Internal Dynamic Calibration System

Hologic's exclusive Dynamic Calibration System delivers pixel-by-pixel calibration through bone and tissue equivalents — for greater long-term precision. The adjustable aperture is now completely lead-free, currently making the Horizon DXA System the greenest on the market.

OnePass™ Technology

A new digital high resolution ceramic detector array is paired with true fan-beam acquisition geometry to enable rapid, dual-energy bone density measurements in a single-sweep scan. OnePass eliminates beam overlap errors and image distortion found in rectilinear acquisition techniques — for superior image quality and data stability. Another Hologic exclusive.



Incomplete atypical femur fracture*



NA-HQ linear single energy



User-friendly graphical user interface

*Image courtesy of Dr. Cheung, University of Toronto

Take the work out of workflow

The Horizon DXA System is fast to learn and easy to use — with a graphical user interface that streamlines the exam process from start to finish. Plus, we've incorporated a wealth of innovative tools to improve workflow, accelerate productivity, and make it simple to communicate and collaborate with other clinicians. No matter where they're located.

With this single, comprehensive, platform, you can assess multiple chronic diseases in a single visit. Your patients experience greater comfort, faster exam times, and low X-ray dose examinations. While you offer an expanded range of highly valued clinical services to help build the success of your practice.

Whether you're looking to incorporate bone densitometry into your practice or conduct research, we invite you to learn more at Hologic.com. Or contact your Hologic representative.

Help your chronic disease patients keep life in motion.



Graphical user interface

More vision. More insight.

An innovative graphic user interface simplifies patient set-up, scanning, image archiving, and data transfer — to improve your workflow and patient satisfaction.

One-click reviewing and reporting. MXApro™ feature in the APEX™ operating software automatically grades vertebral deformity and communicates the data directly into the NEWLY integrated Physician's Report Writer DX™ feature. So you can accelerate workflow with integrated, remote paperless interpretation and one-click reporting. You can view and interpret images and information from anywhere on any device.



Physicians Viewer™

Paperless densitometry

The IRIS™ Enterprise Connectivity Suite is the gateway for true paperless densitometry. Store images on your PACS and download demographics and exam information directly from your HIS to the scanner to reduce errors and costs. You can also send BMD and Instant Vertebral Assessment™ DICOM files to the Hologic Physicians Viewer™ program and PACS. Then transmit reports to your HIS/RIS and EMR via HL7. With our optional DB Syno™ software, you can even share data between scanners at different locations.

Fast exams

Reduce operator involvement by 25% with true automated patient positioning and scan acquisition. Express Exam™ software walks your through the process step by step.

Life 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.

BREAST IMAGING SOLUTIONS • INTERVENTIONAL BREAST SOLUTIONS • SKELETAL HEALTH
PRENATAL HEALTH • GYNECOLOGIC HEALTH • MOLECULAR DIAGNOSTICS

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Australia

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