

# The fastest, highest resolution breast tomosynthesis system ever.

The 3Dimensions™ Mammography System matches the unrivaled performance of our 3D Mammography™ exam, which is more accurate than conventional 2D mammograms, detecting up to 65% more invasive breast cancers.<sup>§</sup> Breakthrough improvements transform the patient experience without compromising speed or accuracy.



Designed to improve visibility of fine details for greater diagnostic confidence.\*



Providing the same clinical performance faster by accelerating reading time to streamline workflow.\*\*



Improve the patient experience with curved compression surface that mirror the shape of the breast, for a more even compression.

**3Dimensions™**



# SHARPER SMARTER SIMPLER

## A better 3D™ breast screening experience – for everyone.

The 3Dimensions™ system is designed to provide higher quality 3D™ images for radiologists, a more comfortable mammography experience for patients and enhanced workflow for technologists.

Discover how sharper images and smarter technologies continue to make it simple to find invasive cancers – regardless of age or breast density.<sup>1-5</sup>



**Smart positioning**

Quickly move the tube head in the MLO position for improved access to the breast.

**Intelligent 2D™**

Imaging technology option powered by A.I. Robust, yet natural-looking 2D image generated from high resolution 3D™ data, delivering superior performance at a low dose compared to 2D alone.

**SmartCurve™ breast stabilization system**

Curved compression surface adds to patient comfort and software maintains image quality.

**Clarity HD™ 3D™ imaging**

Exclusive detector technology enables high-resolution 3D™ imaging in 3.7 seconds.

**3DQuorum™ imaging technology powered by Genius AI™**

Providing the same clinical performance, faster. Uses AI to uniquely reconstruct high-resolution 3D™ data to produce 6mm SmartSlices. The SmartSlices are designed to expedite reading time by reducing the number of images to review, with no compromise in image quality, sensitivity or accuracy.

**Field light improvements**

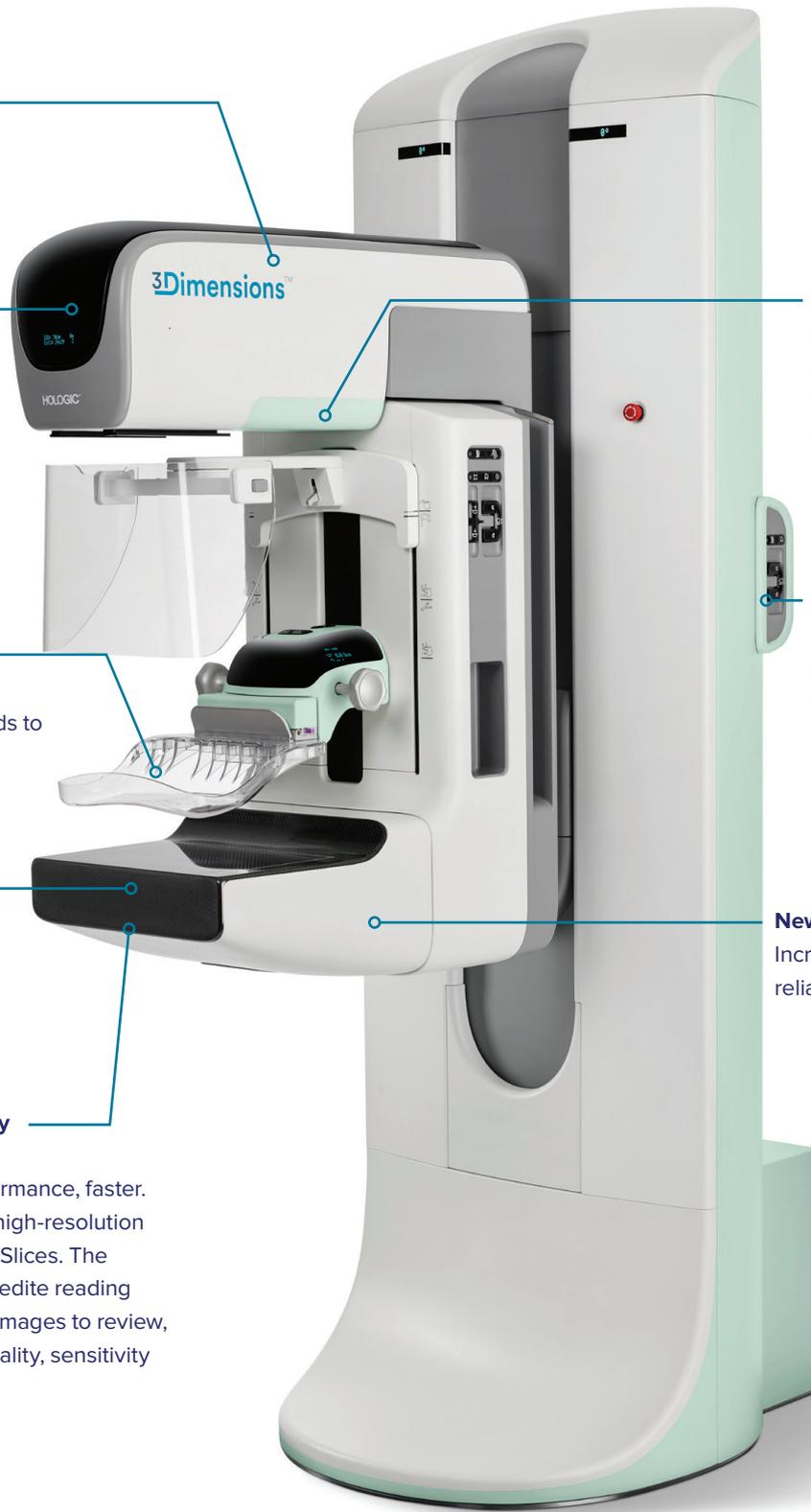
Extended field light in biopsy procedures enhance the focus on the patient.

**New stationary gantry controls**

Improve ergonomics and workflow for technologists.

**New grid assembly**

Increase system reliability and uptime.



## Product information

The 3Dimensions™ system may be purchased as a 2D or 3D™ configuration. The SmartCurve™ breast stabilization system and Clarity HD™ high-resolution 3D™ imaging are standard with all purchases of new 3Dimensions™ systems.

Refer to product datasheet for additional technical product information.

## Ordering details

Part Number	Description
3DM-SYS-INTL2D	3Dimensions mammography system, 2D configuration, Int'l integrating Windows 10
3DM-SYS-INTL2D-MOB	3Dimensions mammography system, 2D configuration, mobile ready- Int'l
3DM-SYS-INTL2D-NS	3Dimensions mammography system, 2D configuration, no shield- Int'l
3DM-SYS-INTL3D	3Dimensions mammography system, 3D™ configuration, - Int'l
3DM-SYS-INTL3D-MOB	3Dimensions mammography system, 3D™ configuration, mobile ready- Int'l
3DM-SYS-INTL3D-NS	3Dimensions mammography system, 3D™ configuration, no shield- Int'l

\* Data on file (MAN-03608 Rev 006; DHM-05051\_002; DHM-06039 Rev 002; MAN-02290 Rev 007)

\*\* When Clarity HD™ high-resolution 3D imaging is used in combination with the optional Intelligent 2D™ imaging technology license on SecurView® workstations.

§ Results from Friedewald, SM, et al. "Breast cancer screening using tomosynthesis in combination with digital mammography." *JAMA* 311.24 (2014): 2499-2507; a multi-site (13), non-randomized, historical control study of 454,000 screening mammograms investigating the initial impact the introduction of the Hologic Selenia Dimensions on screening outcomes. Individual results may vary. The study found an average 41% increase and that 1.2 (95% CI: 0.8-1.6) additional invasive breast cancers per 1,000 screening exams were found in women receiving combined 2D FFDM and 3D™ mammograms acquired with the Hologic 3D Mammography™ System versus women receiving 2D FFDM mammograms only.

### References

1. Friedewald SM, Rafferty EA, Rose SL, et al. Breast cancer screening using tomosynthesis in combination with digital mammography. *JAMA*. 2014 Jun 25;311(24):2499-507. 2. Zuckerman SP, Conant EF, Keller BM, et al. Implementation of Synthesized Two-dimensional Mammography in a Population-based Digital Breast Tomosynthesis Screening Program. *Radiology*. 2016 Dec;281(3):730-736. 3. Skaane P, Bandos A, Eben EB, et al. Two-view digital breast tomosynthesis screening with synthetically reconstructed projection images: comparison with digital breast tomosynthesis with full-field digital mammographic images. *Radiology*. 2014 Jun;271(3):655-63. 4. Bernardi D, Macaskill P, Pellegrini M, et al. Breast cancer screening with tomosynthesis (3D mammography) with acquired or synthetic 2D mammography compared with 2D mammography alone (STORM-2): a population-based prospective study. *Lancet Oncol*. 2016 Aug;17(8):1105-13. 5. McDonald ES, Oustimov A, Weinstein SP, et al. Effectiveness of Digital Breast Tomosynthesis Compared With Digital Mammography: Outcomes Analysis From 3 Years of Breast Cancer Screening. *JAMA Oncol*. 2016 Jun 1;2(6):737-43. 6. Rafferty EA, Durand MA, Conant EF, et al. Breast Cancer Screening Using Tomosynthesis and Digital Mammography in Dense and Nondense Breasts. *JAMA*. 2016 Apr 26;315(16):1784-6. 7. Bloomquist AK, Yaffe MJ, Pisano ED et al. Quality control for digital mammography in the ACRIN DMIST trial: part I. *Med Phys* 2006;MAN-03608 Revision 006, April 2018

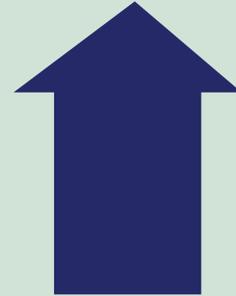
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**No Compromise. No Comparison.**

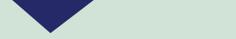
## Proof, not promises

up to **65%**



More invasive breast cancers detected, compared to 2D mammography alone. §

**40%**



**Reduction** in recalls compared to 2D alone. 2-8



**Over 200** Studies demonstrating clinical efficacy.



### Accurate

Only the 3D Mammography™ exam is FDA approved as superior for women with dense breast compared to 2D alone. 1-2

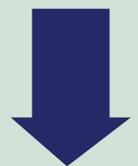
**9,000+**



Hologic 3D™ systems installed around the world and counting.

**45%**

Dose reduction with a generated 2D image.



### Scan time -

The industry's fastest tomosynthesis scan – for reduced chance of patient motion and fewer retakes, as well as reduced compression time