

The Genius® 3D™ Exam. Better, earlier breast cancer detection.¹⁻⁶

The Selenia® Dimensions® mammography system is the first commercially available system to deliver on the extraordinary promise of breast tomosynthesis. Genius 3D Mammography™ exams are more accurate than conventional 2D mammograms, detecting **20-65% more** invasive breast cancers.⁵ Combine with C-View™ synthesized 2D imaging to reduce dose and patient time under compression.⁸

Make the leap to the new standard of care. The 3D™ system that offers the benchmark Hologic customers expect, with essential ergonomics and functional workflow features.



Reduces callbacks

Greater accuracy means a reduced chance of being called back for additional screenings. The Genius 3D Mammography exam reduces callbacks by up to 40% compared to 2D alone.^{2,5}



Superior for dense breasts*

Only the Genius 3D Mammography exam is FDA approved as superior for women with dense breasts compared to 2D alone.^{1,2} Studies show that the Genius 3D Mammography exam has greater accuracy for women across a variety of ages and breast densities.^{1,2}



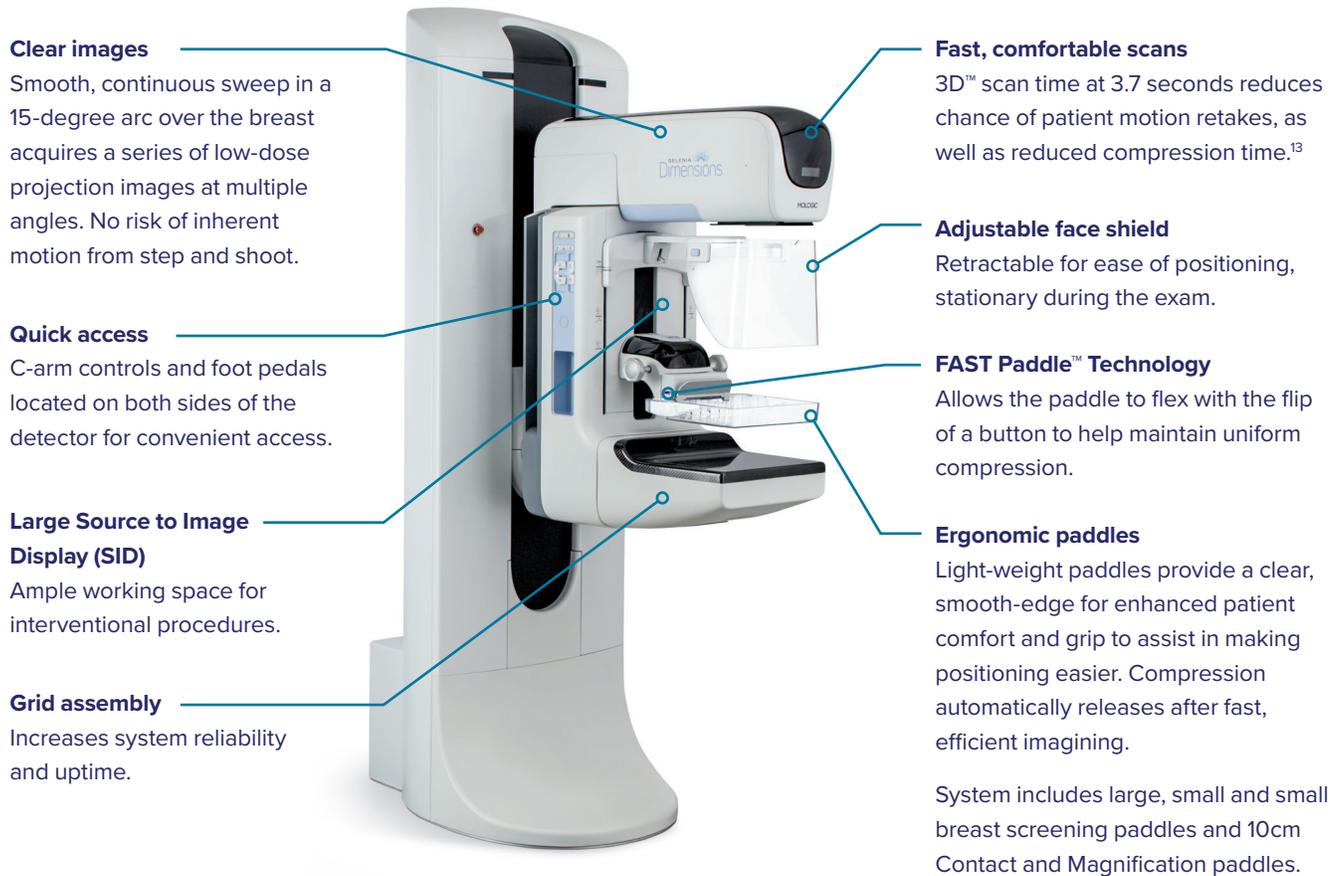
Flexible configurations

The system is available in multiple packages and options to meet your unique needs, all without compromising clinical performance. The system is upgradable as needs change.



Configurable for your Needs

Customize your system with additional licenses and equipment for mobile use, diagnostic and interventional capabilities.



Options

Easily transition from screening to diagnostic exams or biopsy. Hologic offers cost-effective, space-saving and ergonomic ways to expand your range of services. Connectivity options improve communication and workflow.

- **SmartCurve™ breast stabilization system's** curved compression surface mirrors the shape of a woman's breast and distributes pressure more evenly to reduce pinching.
- **I-View™ contrast enhanced mammography** creates powerful 2D image studies.
- **Affirm® breast biopsy system** enables 2D, 3D or contrast-enhanced biopsies* using the same imaging equipment as mammography exams.⁴
- **Advanced Workflow Manager** integrates multiple Dimensions systems into a cohesive operating environment ensuring immediate data access and accelerating department workflow.
- **Dimensions Advanced Connectivity license** provides MPPS to report the current state of an exam and RDSR capabilities to send dosage to third party applications.
- **Dimensions Notices license** provides communication between the technologist at the AWS and the radiologist at the SecurView® workstation.

*Not yet commercially available.

Radiologist Tools

Optional licenses improve clinical efficacy and enhance workflow. These licenses reside on the AWS, eliminating the need for a separate server:

- **C-View™ technology** eliminates the need for a separate 2D exam minimizing patient time under compression. C-View technology powering the ultrafast Genius 3D Mammography exam helps you achieve higher levels of accuracy compared with 2D mammography for all breast types¹⁻⁷ at a dose comparable to the U.S. average mammogram.^{3-5, 7-13} Images are FDA approved to diagnostically replace FFDM images within a 3D™ screening exam.¹
- **Genius AI™ Detection technology** identifies suspicious lesions in all Hologic 3D image types and provides workflow tools to enhance your practice.¹⁵
- **Quantra™ breast density software** enables quick and accurate assessment to standardize reporting and adjunctive screening across your entire practice.¹⁶
- **ImageChecker® CAD software** provides detection for conventional 2D images and Intelligent 2D synthesized images.

The Selenia Dimensions 6000 AWS standard configuration includes powered height adjustment, hands-free imaging and an integrated UPS. Options include a choice of display monitor with a fixed or swing arm, LCD touch-screen controls, barcode scanner, and an Ergonomic package including biometric log-in with auto-height adjustment.

Biometric login**

Enables pre-configured workflow preferences and ergonomic settings such as power height adjustment for each user.

Flat work surface

Functional flat work surface and molded keyboard tray streamlines exams and accelerates workflow.

Barcode scanner**

Saves time and accelerates workflow.

Standard computer

Hosts image analytics applications** at the point of care allowing for immediate triage of patients.

Display options**

Position 2MP or 3MP color display monitor to optimize viewing with dual articulating swing-arm and monitor tilt and swivel.**

LCD controls

Intuitive icons and functional on-screen controls allow quick navigation. Touchscreen controls available.**

Powered height adjustment

Adjusts to the height preference of users for ergonomic positioning. Log-in based auto height adjustment option.**

Hands-free imaging

Offers hands-free exposure control reducing strain on hand and wrist.



**Optional purchase

Genius[®] 3D Mammography Exam

A more accurate mammogram designed with all women in mind.



Partner with Hologic

When you partner with Hologic, you get more than just industry leading technology.

- **Installation:** Site planning and equipment installation including connectivity support.
- **Training:** Hands-on, remote and video on demand training provided by Clinical Applications Specialists.
- **Service:** Customized SureCare[®] Service plans including Hologic Connect[™] service so you can focus on your business and patients.
- **Medical education:** Expert-led courses designed to improve patient care through excellence in education and communication of clinical and scientific evidence.
- **Health economics:** Support from an industry-leading Health Policy and Reimbursement team.
- **Marketing:** Access to a Platinum Marketplace, an online customer marketing hub to help advertise your services to patients and referring physicians. Including a suite of materials featuring Sheryl Crow, breast cancer survivor and nine-time GRAMMY[®] Award winner, promoting the Genius exam.*
- **Innovation:** Focused R&D to improve woman's health along the continuum of care.

The Genius[®] 3D Mammography[™] exam (a.k.a. Genius exam) is acquired on the Hologic[®] 3D Mammography[™] system and consists of a 2D and 3D[™] image set, where the 2D image can be either an acquired 2D image or a 2D image generated from the 3D[™] image set. The Genius[®] exam is only available on the Hologic[®] 3D Mammography[™] system.

References

1. FDA submissions P080003, P080003/S001, P080003/S004, P080003/S005, P080003/S006 2. 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. 3. 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. 4. 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. 5. 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. 6. 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. 7. 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. 8. Zuley M, Guo B, Catullo V, et al. "Comparison of Two-dimensional Synthesized Mammograms versus Original Digital Mammograms Alone and in Combination with Tomosynthesis Images." *Radiology*. 2014 Jun;271(3):664-71. Epub 2014 Jan 21. 9. Durand M, Raghu M, Geisel J, et al. "Synthesized 2D Mammography + Tomosynthesis: Can We See Clearly?" (paper presented at the annual meeting of the Radiological Society of North America, Chicago, IL, December 2015). 10. Choi J, Han B, Ko E, et al. "Comparison with Two-Dimensional Synthetic Mammography Reconstructed from Digital Breast Tomosynthesis and Full Field Digital Mammography for the Detection of T1 Breast Cancer." *European Radiology*. Epub 2015 Dec. 11. Woo O, Choi G, Shin H, et al. "Comparative Diagnostic Value of Two-dimensional Synthesized Mammogram and Conventional Full-field Digital Mammogram for Evaluation of Breast Cancer" (poster presented at the annual meeting of the Radiological Society of North America, Chicago, IL, December 2015). 12. <http://www.fda.gov/downloads/AdvisoryCommittees/CommitteesMeetingMaterials/MedicalDevices/MedicalDevicesAdvisoryCommittee/RadiologicalDevicesPanel/UCM325901.pdf> (Slide 20) 13. Data on file: DHM-05051_002. 14. K103512, K122836, K202294 15. FDA Clearance: K201019 16. FDA 510(k) K163623.

§ 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% (95% CI: 20-65%) increase and that 1.2 (95% CI: 0.8-1.6) additional invasive breast cancers per 1000 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.

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Proof not Promises.