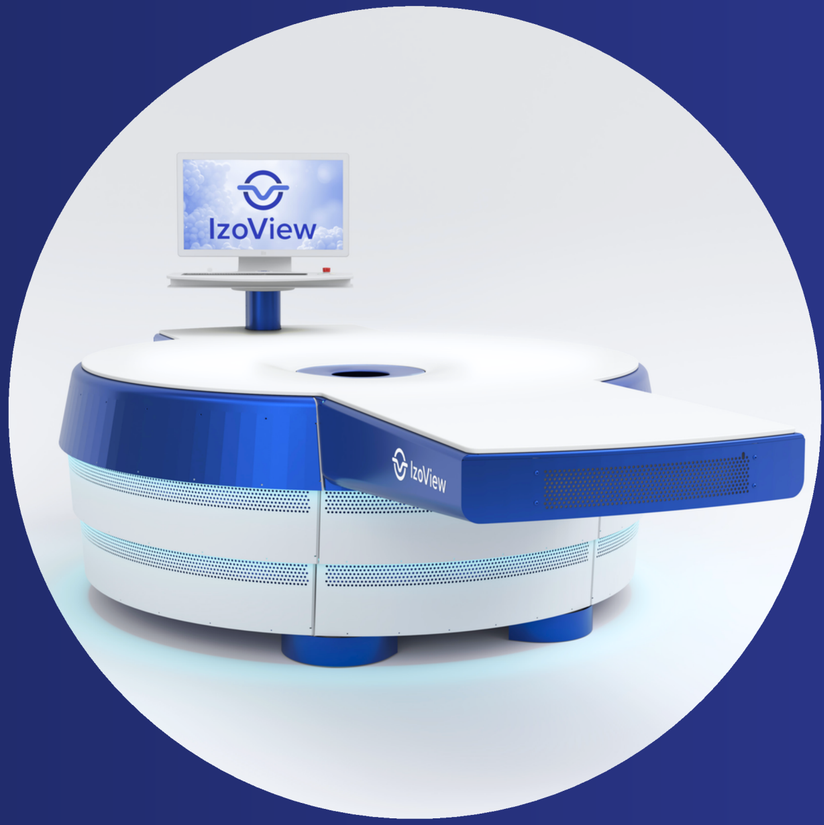
IZOTROPIC CORPORATION

Summer 2026

IzoView Technology

Engineered for Today's Challenges & Tomorrow's Care Models.



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Izotropic Corporation holds the exclusive global licensing rights to breast CT technology from the Regents of the University of California. This technology was originally developed at the University of California, Davis, under the Breast Tomography Project led by Company Director Dr. John Boone and his clinical collaborators. Four successive breast CT research devices were developed and evaluated at UC Davis. The clinical data and images referenced by the Company were generated using these research prototypes. IzoView, the commercial breast CT system developed by Izotropic Corporation, is a distinct and separate device designed for commercial use and was not used to generate this data or these images. Accordingly, any clinical performance data or images referenced by the Company should not be interpreted as evidence of IzoView's abilities, safety or effectiveness. IzoView remains an investigational device and has not been evaluated in clinical trials or studies to support claims of diagnostic performance. No assurances are made that results achieved with earlier breast CT systems will be replicated with IzoView. The Company makes no claims or guarantees regarding the diagnostic capabilities, clinical benefits, or regulatory approval of IzoView at this time. IzoView has not been approved or cleared by any regulatory authority and is not yet available for commercial sale. Any statements regarding potential clinical utility are for informational purposes only.

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All images are for illustrative purposes only.

The Problem with Current Breast Imaging

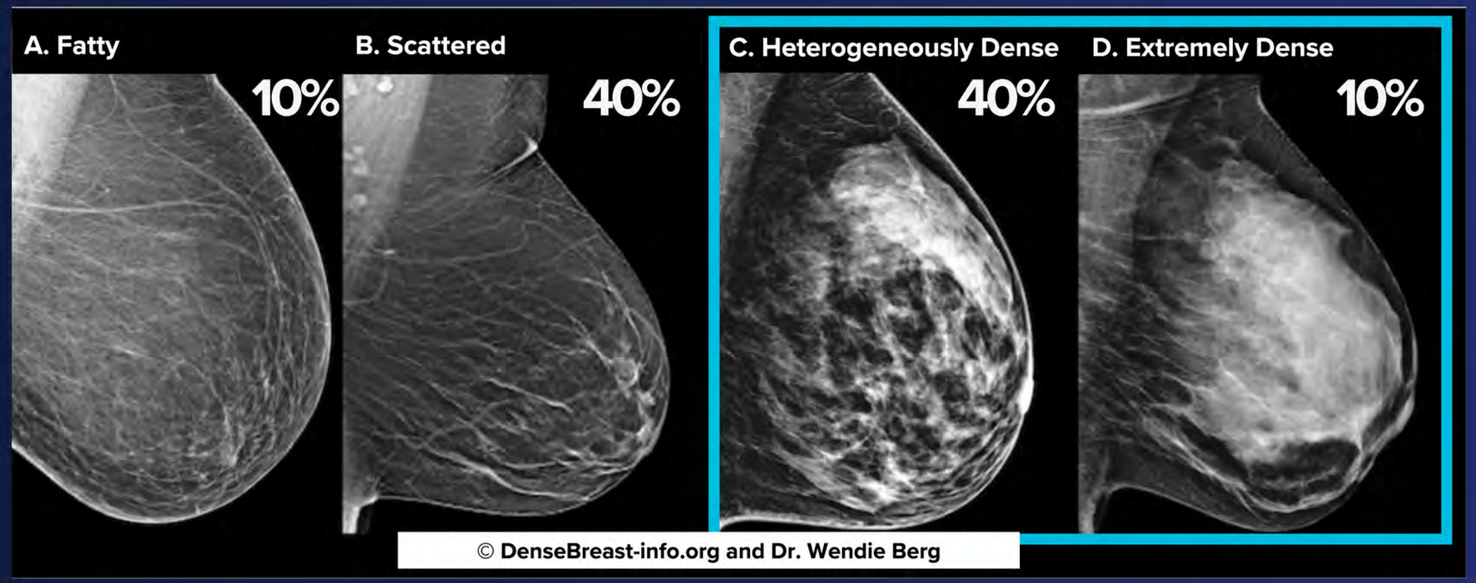
- Mammography and Digital Breast Tomosynthesis (“DBT”) require painful breast compression, which distorts breast anatomy and can reduce diagnostic accuracy.
- Dense breast tissue significantly overlaps under compression, limits the effectiveness 2D compression-based imaging.
- Mammography misses ~20% of cancers missed that are present at the time of screening[1].
- Ultrasound, primarily used for supplemental imaging, can have high rates of false-positives, leading to unnecessary follow-up imaging, biopsies, and increased patient anxiety.
- MRI, while more sensitive, is costly with long exam times, and remains inaccessible for most women outside of high-risk populations.
- MRI also has a high false-positive rate[2], leading to additional unnecessary biopsies, and patient anxiety.
- The diagnostic pathway often requires multiple imaging sessions (mammography and/or DBT and/or ultrasound and/or MRI, plus biopsy), creating delays, emotional burden, and escalating healthcare costs.
- Diagnostic imaging and procedure costs after screening mammography estimated at USD $8B annually[3].
- There is an urgent unmet need for accurate, fast, patient-friendly breast imaging technologies that can detect cancers earlier, particularly in women with dense breast tissue.

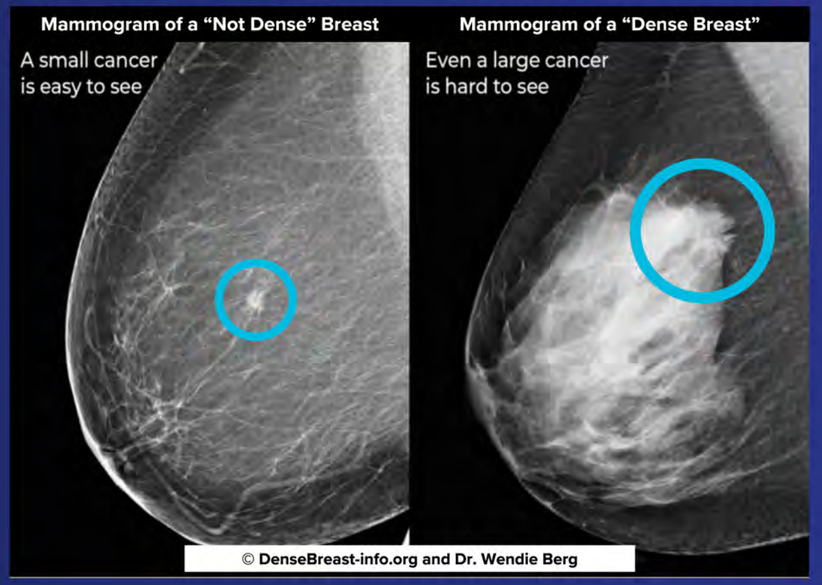
Mammography/ DBT

MRI

1. (2023, February 21). Mammograms. National Cancer Institute. Retrieved July 16, 2025, from https://www.cancer.gov/types/breast/mammograms-fact-sheet
2. Garber, J. A big downside of MRI for breast cancer screening: More cascade events. Lown Institute. https://lowninstitute.org/a-big-downside-of-mri-for-breast-cancer-screening-more-cascade-events
3. Vlahiotis A, Griffin B, Stavros AT, Margolis J. Analysis of utilization patterns and associated costs of the breast imaging and diagnostic procedures after screening mammography. Clinicoecon Outcomes Res. 2018;10:157-167 https://doi.org/10.2147/CEOR.S150260

Understanding Breast Density





- Approximately 50% of women have dense breast tissue[1].
- Dense tissue appears white on mammograms- so do lesions and tumors, making cancers harder to detect.
- Dense breast tissue increases the risk of both developing breast cancer and missed cancers on mammography[2].
- Interval cancers: aggressive cancers that develop between scheduled screenings are 2-3.5 times more lethal in women with dense breast tissue compared to those with non-dense breasts[3].
- U.S. FDA mandated that all mammography reports disclose breast density status[4] and how it impacts accuracy of screening results, some states recommends supplemental imaging on reports.

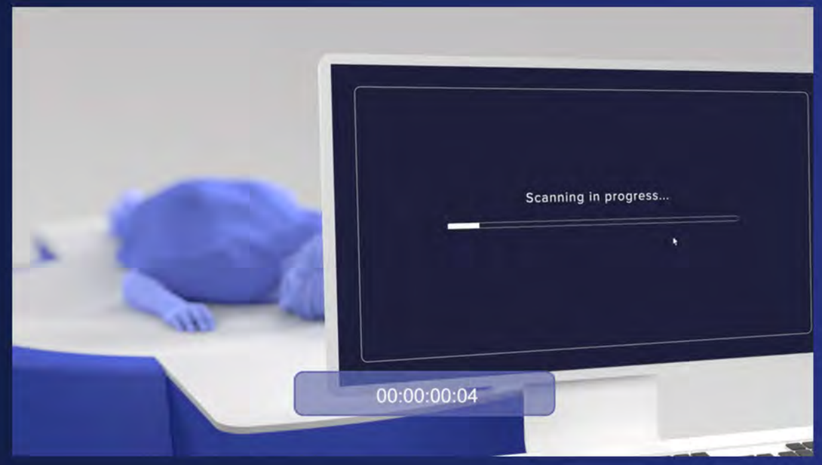
1.(2024, December 9). Dense Breasts: Answers to Commonly Asked Questions. National Cancer Institute. Retrieved July 24, 2025, from https://www.cancer.gov/types/breast/breast-changes/dense-breasts
2.(2024, September 11). About Dense Breasts. CDC. https://www.cdc.gov/breast-cancer/about/dense-breasts.html
3.Gordon PB. The Impact of Dense Breasts on the Stage of Breast Cancer at Diagnosis: A Review and Options for Supplemental Screening. Curr Oncol. 2022 May 17;29(5):3595-3636. doi: 10.3390/curroncol29050291. PMID: 35621681; PMCID: PMC9140155.
4.(2025, June 4). Expanded Breast Imaging Insurance Coverage by State. DenseBreast-Info.org. Retrieved July 30, 2025, from https://densebreast-info.org/wpcontent/uploads/2025/06/DBI-INSURANCE-TABLE060425.pdf

Introducing IzoView

Engineered for Today's Challenges & Tomorrow's Care Models.

- Next-generation dedicated Breast CT system delivering true 3D imaging without painful compression.
- Ultra-high-resolution imaging, spatial resolution approximately 100x greater than MRI.
- Rapid, patient-friendly imaging workflow: 10-second scan, full image reconstruction in ~30 seconds.
- Radiation dose comparable to standard 2-view mammography.
- Target sales price of USD $500K, with legacy breast CT devices selling for up to USD $1.5M[1].
- Radiation self-shielded system for added safety, modular engineering, enabling fast shipping and installation and simplified maintenance.
- Clinically validated technology: hundreds women imaged through NIH-funded trials at UC Davis Medical Center on prototype devices for academic research purposes, with extensive 50+ peer-reviewed publications.
- IzoView is the commercial model developed by Izotropic with the exclusive global technology licensing rights to breast CT.
- 14 identified clinical uses, platform imaging foundation for future innovations and additional devices.

1. Izotropic Corporation (August 5, 2025) Izotropic's IzoView Positioned to Capitalize on Key Global Breast Imaging Market Drivers [Press Release]. https://izocorp.com/news-releases/izotropics-izoview-positioned-to-capitalize-on-key-global-breast-imaging-market-drivers/



How IzoView Works

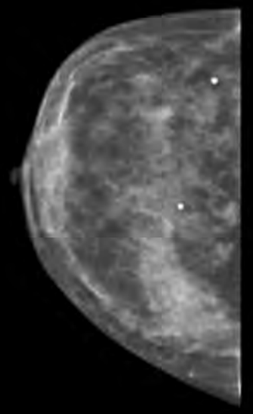
1. The patient lies face-down on a padded tabletop, comfortably positioning their own breast in an imaging cup. No technician breast handling required.

2. Imaging hardware circles the breast in 360° and takes up to 500 ultra-high-resolution images in ~10 seconds (depending on breast length). No breast compression.

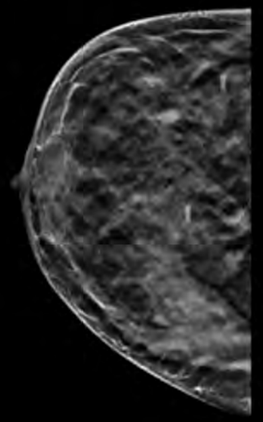
3. Software reconstructs images into a 3D model in approximately 30 seconds. No long waits for image processing.

Watch the IzoView Scan Experience here

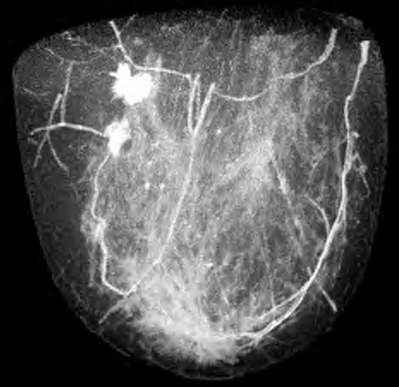
MAMMOGRAPHY
2D



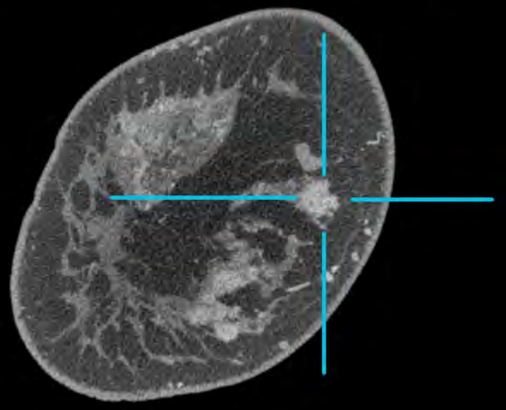
TOMOSYNTHESIS
15°- 50°



CE-BREAST CT
TRUE 3D, 360°



x1 BREAST CT IMAGE SLICE



ALL IMAGES ARE OF THE SAME BREAST.

Clinical Breast Images

See More Breast CT Clinical Images Here

- Diagnosis: Invasive Ductal Carcinoma (IDC), 2 lesions.
- Images were taken using breast CT prototype devices at UC Davis Medical Center in clinical trials for academic research purposes, where breast CT technology was principally founded and developed.
- 4 successive breast CT models have been built and tested over 2 decades, funded primarily by U.S. government grants (NIH).

These images were not taken with IzoView.
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Competitive Advantages vs. Existing Modalities

- **Projected Superior Dense Breast Detection:** Breast CT's true 3D imaging eliminates tissue overlap, and may outperform Mammography, DBT, and Ultrasound in dense tissue cases.
- **No Painful Compression:** Natural pendant breast positioning improves patient comfort and may increase screening compliance.
- **Patient & Technician Safety:** Radiation self-shielded design fully eliminates radiation scatter into the surrounding area, only the breast being imaged is exposed to radiation unlike mammography and DBT.
- **Operator Independence:** Standardized imaging, eliminating variabilities due to operator skill level.
- **High Throughput, Fast Exams:** 10-second scan vs. 20-60+ minutes for mammography, ultrasound, MRI.
- **Lower Capital and Operational Costs:** IzoView's target sales price of $500K designed to enable rapid ROI compared to MRI systems ($1M - $3M+) and legacy breast CT systems (up to $1.5M).
- **Outpatient Clinic Scalability:** No specialized additional infrastructure needed, supporting broader geographic and commercial expansion, including mobile use in rural areas.

Mammography/ DBT

IzoView

Technology Comparison Chart

Modality	True 3D Imaging	Cost USD	Radiation	Primary Use	AI Integrations
Mammography	No	$55K–$80K	Yes (low-dose X-ray)	Screening	Yes
Digital Breast Tomosynthesis (“DBT”)	No (15°-50°)	$150K–$300K	Yes (low-dose X-ray)	Screening & Diagnostic	Yes
Ultrasound (Handheld)	Yes	$100K–$200K+	No	Supplemental Imaging Tool	Limited
Automated Breast Ultrasound	Yes	$200K–$300K	No	Supplemental Screening Tool	Limited
Contrast-Enhanced Mammography	No	~$420K	Yes	Diagnostic	Emerging
Breast MRI	Yes	$1M–$3M+	No	High Risk Screening & Diagnostic	Yes
Abbreviated MRI	Yes	$1M–$3M+	No	Supplemental Screening	Yes
IzoView Breast CT	**Yes (360°)**	**$500K (Target)**	**Yes (low-dose X-ray)**	**Adjunctive Screening (Initial Indication for Use)**	**Yes & Emerging**

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Advanced Imaging. Accessible Care.

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