



Senographe Pristina™

Reshape the mammography experience
with a sensitive design

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Reshape the mammography experience with a sensitive design

At GE Healthcare, we believe it's time to improve the entire mammography experience. So we partnered with radiologists, technologists and patients to create a mammography platform that's sensitive to each of their needs – easing patients' anxieties, making technologists' jobs easier and helping radiologists diagnose with great confidence. The result of our rigorous, collaborative design process is the Senographe Pristina™.



Sensitive to patient

An attractive gantry like a piece of art

The new, inviting gantry with elegant lighting and gentle, rounded shapes promotes a sense of calm. Senographe Pristina™ was built with one collective desire: Ease patient's anxiety when entering the room for the exam. A wrap-over silhouette around the outside invites patients into a space of comfort and support. You'll need to experience it to truly realize its beauty.

Rethinking patient positioning

The face shield offers a fixed head rest to lean on, even when the system is acquiring a 3D mammogram. The gentle, rounded corners of the bucky may reduce anxiety and discomfort for patients. Soft armrests have replaced the typical handgrips. So instead of patients tensing pectoral muscles while grabbing the grips, which can make it hard to acquire pristine images, they can lean comfortably on the armrests, relaxing the muscles to simplify compression and image acquisition. Additionally, Senographe Pristina™ features flex paddles that tilt to adapt to women's varying morphology and apply a more consistent compression of the breast from the pectoral muscle to the nipple.



A proactive approach for the first time

The fear of breast compression is one of the reasons why women don't come for their breast exam*, and it is natural to feel anxious when you know you can't control the compression. With self-compression, GE offers patients a way to regain a sense of control over the exam under technologist supervision. Patients can work guided by technologists to reach the compression that is right for them.

Easing anxiety on the way to diagnosis

Cancer is enough to worry about. Radiation exposure of a mammogram should never get in the way of a patient getting the exam she needs. Senographe Pristina™'s integrated 3D mammography provides an exceptionally sharp and detailed picture for breast cancer detection and diagnosis – at the same dose as standard 2D mammography.



Sensitive to technologists

Patient comfort easing anxiety

Anxious patients are more prone to moving and contracting muscles, creating challenges for technologists to position them precisely. By making patients more comfortable, technologists can focus on precise positioning, potentially making it easier and faster.



A new design to avoid physical strain

The upper space below the collimator is large, and the tube design with a wrap-over top makes it easy for technologists to position patients. The back space is also large to allow technologists to work without hitting their elbows when positioning the breast over the support. Plus, technologists can position patients while facing them, allowing for better communication throughout the exam.

In addition, when positioning patients in mediolateral oblique (MLO), the tube head can be moved to a parking position away from the technologist's head. This clears the upper space so that the technologist can position the patient without physical strain.



An experience totally reinvented to make technologists' jobs easier

Senographe Pristina™'s fully integrated platform was designed to avoid unnecessary, repetitive tasks – freeing up the technologist so they can focus on the patient.

The acquisition console is well aligned with other GE Healthcare products, so for those familiar with other GE Healthcare equipment, the learning curve is minimal.

The console and gantry are ready to use within a few minutes after startup without requiring any calibration before starting the day. Change from 2D to 3D mode in just one click with pre-set default acquisition. The 2D image contrast can also be modified on the fly, among six levels available, to accommodate user preferences.



Sensitive to radiologists

Mammography is vital to cancer detection and diagnosis. That's why radiologists will appreciate Senographe Pristina™'s 3D breast tomosynthesis capability, which achieves exceptional image quality at the same dose as standard 2D mammography.

Pristine images for excellent diagnosis

Senographe Pristina™ sets a high bar for diagnostic confidence and performance, leveraging the Senographe™ family's widely recognized image quality.

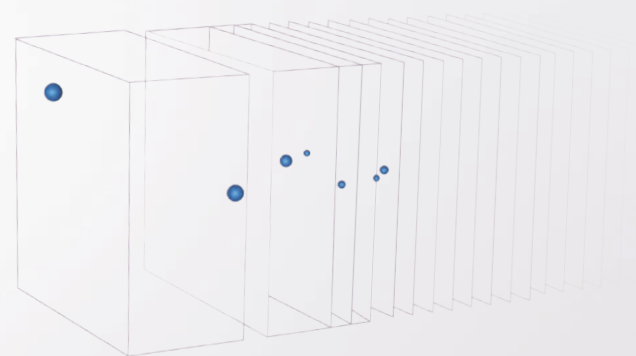
The new image chain also helps reduce the exposure time in 2D with no compromise on image quality at low dose**.



Start making healthier choices

GE Healthcare's digital breast tomosynthesis platform allows excellent visualization of breast lesions without increasing the dose compared to a 2D exam.

GE's 3D tomosynthesis uses ASIR^{DBT}, an iterative reconstruction algorithm with a calcification artifact correction to deliver off-plane images far superior to the traditional Filtered Back Projection (FBP) algorithm in terms of both in-plane and out-of-plane artifacts. Plus, a specific slabbing algorithm able to render calcifications as if each were in its optimal plane, making the images easy to read.





Comforting, empowering, enlightening

Never has a mammography system been so sensitive to patients, technologists and radiologists alike – putting everyone in a better position for a satisfying experience, productive workflow and effective care.



About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world.

GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

Product may not be available in all countries and regions.

Full product technical specification is available upon request.

Contact a GE Healthcare Representative for more information.

Please visit www.gehealthcare.com/promotional-locations.

Data subject to change.

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This product is not cleared or approved by the U.S. FDA. Not available in the U.S.

*Digital mammography a holistic approach, Peter Hogg, springer 2015

**Measurements taken on two Senographe Pristina systems consistently showed close to 30 percent exposure time reduction.

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