



# Senographe Pristina™

Reshape the mammography experience



# Reshape the mammography experience with sensitive design.

At GE Healthcare, we believe it's time to improve the entire mammography experience.

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™.



**Patients**



**Technologists**



**Radiologists**





## Sensitive to patients.

### **The gantry: attractive and well-designed like a beautiful piece of art**

The new, inviting gantry promotes a sense of calm, with elegant lighting and gentle, rounded shapes. Senographe Pristina™ was built with one objective in mind to ease patient anxiety when they enter the exam room.

A soft-curved surface invites patients into a space of comfort and support.

You'll need to experience it to truly realize what it can do for you.

### **Rethinking patient comfort**

Ensuring patient comfort is possible with the new Pristina™ face shield. Senographe Pristina™ offers a comfortable head rest to lean against, even while the system is acquiring 3D mammogram.

The new gentle, rounded corners of the bucky can also help reduce anxiety and discomfort for patients. The soft arm rests have replaced the typical hand grips, so that instead of patients tensing muscles, they can lean comfortably on the arm rests relaxing their muscles to simplify compression and image acquisition.

In addition, the Senographe Pristina™ features flex paddles that can tilt to adapt to women's varying morphology and that can apply a more consistent compression of the breast from the pectoral muscle to the nipple.



### **Empowering patients**

GE offers patients a new experience when it comes to breast compression.

Guided with technologist supervision, patients can now work to reach the compression that is right for them. This new self-compression feature enables patients to help manage the exam experience reducing potential anxiety when it comes to breast exams.

### **A clear diagnosis**

Senographe Pristina™'s integrated 3D mammography provides an exceptionally sharp and detailed picture for breast cancer detection and diagnosis.

### **Easing patient anxiety**

Senographe Pristina™'s integrated 3D mammography provides an exceptionally sharp and detailed picture, and at the same dose as a standard 2D mammography.



## Sensitive to technologists

### Patient comfort easing positioning

Anxious patients are more prone to moving and contracting muscles, creating challenges for technologists to position them appropriately.

By making patients more comfortable during the exam, technologists can then focus on more suitable positioning, enabling a faster and smoother experience for both patient and technologist.

### A new design to avoid physical strain

Making it easy for technologists to position patients is critical to improving the overall mammography experience for both patients and technologists.

The upper space below the collimator is large, and the tube design with the wrap-over top makes it easy for technologists to position patients.

The back space is also large enough to allow technologists to work without hitting their elbows when positioning the breast over the support.

Technologists can also 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 parked position away from the technologist's head.

This clears the upper space so that the technologist can position the patient without physical strain.

### Reinventing the mammography experience to make the technologist's job easier

The console and gantry are ready to use within a few minutes after startup without requiring any calibration before starting the day.

The change from 2D to 3D mode is as easy as one click with pre-set default acquisition. The 2D image contrast can also be modified on the fly, among six levels available, in order to accommodate user preferences.

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



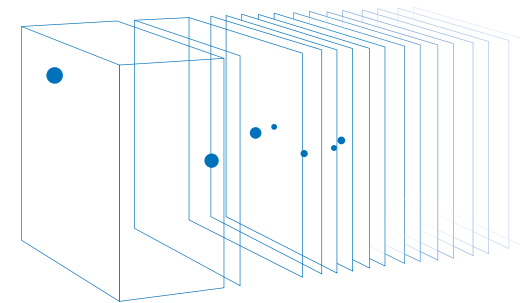


## Sensitive to radiologists

Senographe Pristina™s 3D mammography delivers exceptional image quality at the same dose as standard 2D mammography.<sup>1</sup>

### Pristine images for accurate diagnosis

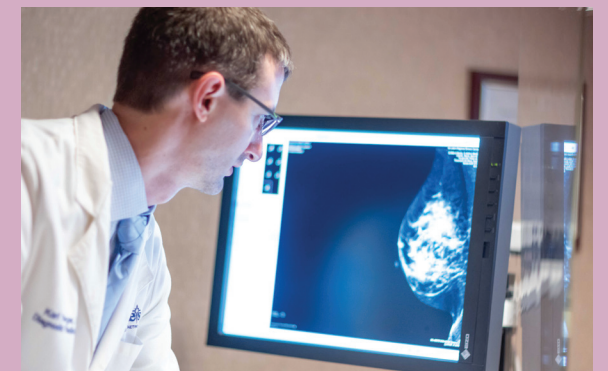
Pristina™ sets the bar for diagnostic confidence and performance, leveraging the Senographe™ family's widely recognized image quality.



### Making healthier choices

3D mammography platform allows for excellent visualization of breast lesions without increasing the dose\* compared to a 2D exam.

GE's 3D tomosynthesis uses ASIR<sup>DBT</sup>, an iterative reconstruction algorithm with a calcification artifact correction. ASIR<sup>DBT</sup> delivers off-plane images, far superior to the traditional Filtered Back Projection (FBP) algorithm in terms of both in-plane and out-of-plane artifacts. Furthermore, a specific slabbing algorithm renders calcifications as if each were in its optimal plane, making the images easy to read.



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



## Comforting, empowering, and enlightening.

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



Building a world that works

## To learn more

Contact a GE Healthcare representative to learn how  
Senographe Pristina™ can increase your organization's efficiency.

[gehealthcare.com/pristina](http://gehealthcare.com/pristina)

<sup>1</sup> Comparison of patient dose delivered by FDA approved DBT devices as of February 2018 for a breast of average density, based on data presented in [1-2] and data on file. Device comparison includes GE SenoClaire, GE Senographe Pristina 3D in STD mode, Hologic Selenia Dimensions, Siemens Mammomat Inspiration, Fuji Aspire Cristalle [1. Bouwman, R. W. and al., et. 2015, Physics in Medicine & Biology, pp. 7893-7907; 2. NHSBSP Equipment Reports 1306, 1404, 1307, and on Fujifilm AMULET Innovality.]

Not all products or features are available in all geographies. Check with your local GE Healthcare representative for availability in your country.

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