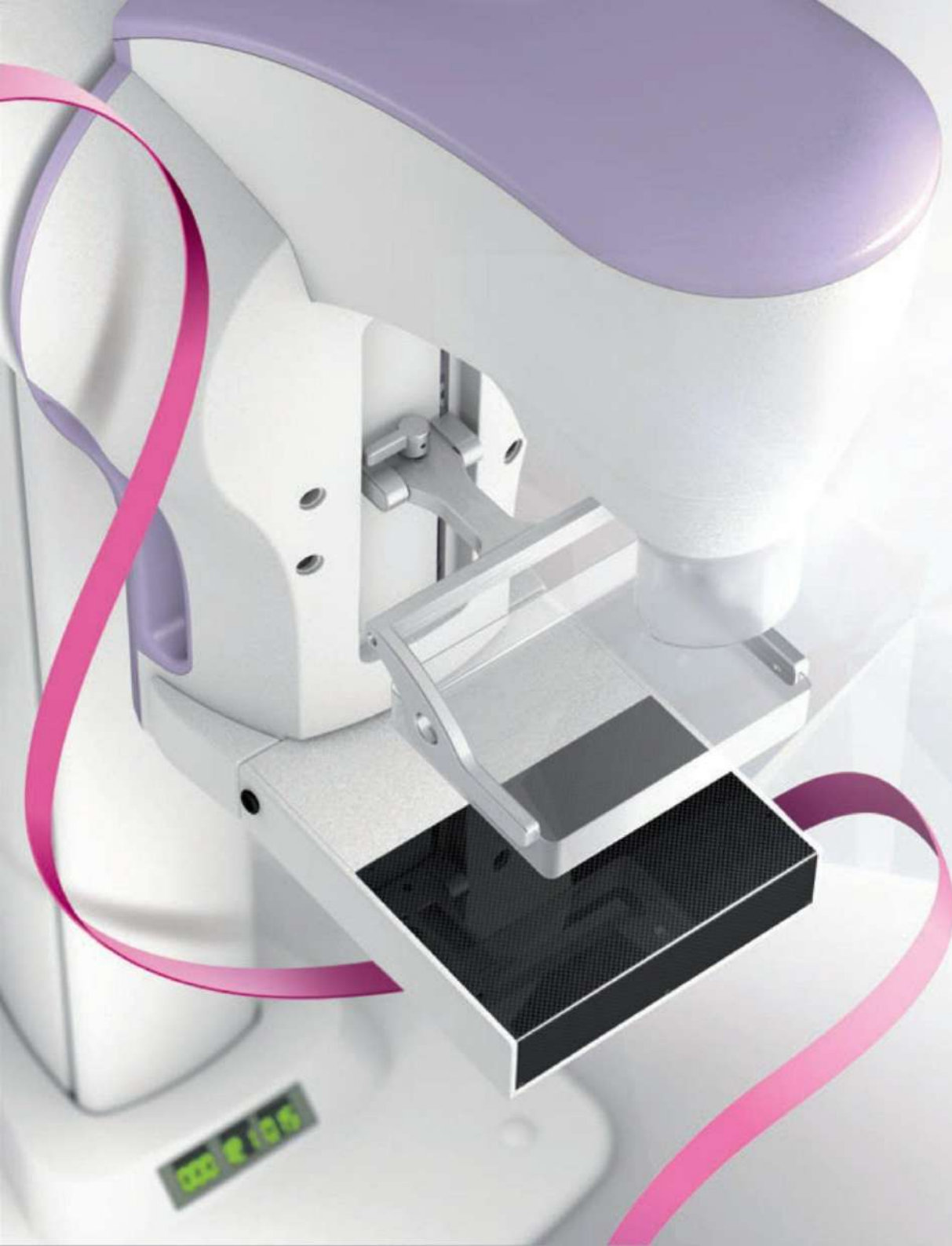


Senographe Crystal

The choice is crystal clear





Senographe Crystal

The choice is crystal clear.

The Senographe* Crystal mammography system makes it easy to transition to full-field digital mammography. Simplified installation and a small footprint help you get up and running quickly. Automated functions, an intuitive interface, and compact, ergonomic design help to enhance throughput and patient comfort. And excellent 2D image quality is designed to give you the clinical confidence you need.

Helping you maximize throughput with minimal effort

Single-chip mammography CMOS detector for excellent image quality

A positive patient experience begins with you

Helping you maximize throughput with minimal effort

With its simple installation, slim design, and ability to support high throughput, the Senographe Crystal lets you do the job with speed and ease.

Installs as quickly as in a single day

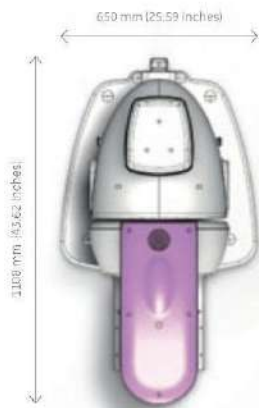
Thin and lightweight, just 250 kg (550 pound), Senographe Crystal is simple to install. In fact, it can be installed as quickly as in a single day—so you get up and running fast.

Saves precious space

With its small footprint, Senographe Crystal is designed to fit in small spaces—whether you're building a new room, re-configuring a small room, or re-purposing an existing room. Its counterweighted motorized lift is one of the smallest in the industry. Plus the C-arm's tight turning radius makes efficient use of space.

Fast boot means no waiting

GE's next-generation CMOS detector lets you boot up in just 66 seconds. CMOS-based detectors have no complex cooling tubing and don't need to warm up, which helps minimize patients' wait.

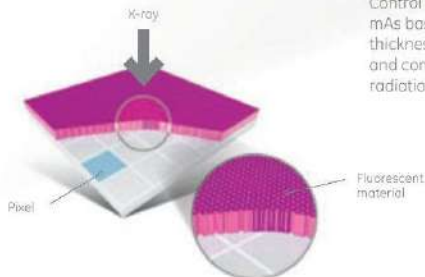


Single-chip mammography CMOS detector for excellent image quality

Senographe Crystal is designed to give you excellent clinical confidence for breast cancer screening and basic diagnosis. Starting with GE's next generation CMOS detectors with 70 pixel size and 2 detector sizes, to high quality Automatic Exposure Control, you'll get excellent image quality.

GE's next-generation detector

Senographe Crystal features a large single-chip CMOS detector. It's faster, less noise, and is more stable than the amorphous TFT detectors which all contribute to a consistent excellent performance. The CMOS detector represents GE's next generation of detector technology. Instead of passive pixel detection this active-pixel detector features an integrated circuit with an array of pixel sensors. Each of the millions of pixels contains a photo-detector and active amplifier. The result is excellent, sharp, 2D image quality.



Your patients' breasts vary in size. So does our detector.

Senographe Crystal lets you choose between two configurations of detector size: 23 x 30 cm LFOV for larger breasts or 17 x 23 cm SFOV for smaller denser breasts. So you can choose the optimal configuration that suits your population.

Automatic Exposure Control (AEC), where data-based automation works

Senographe Crystal's Automatic Exposure Control selects the appropriate kV and mAs based on radiological density and thickness of the breast for exceptional and consistent image quality at optimized radiation dose.

Pixel size matters

With 70µm pixel size, our CMOS detector delivers sharp 2D images to help you make confident and accurate characterization of micro-calcifications.

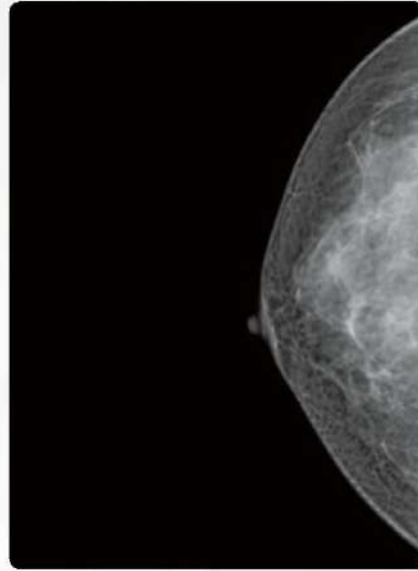




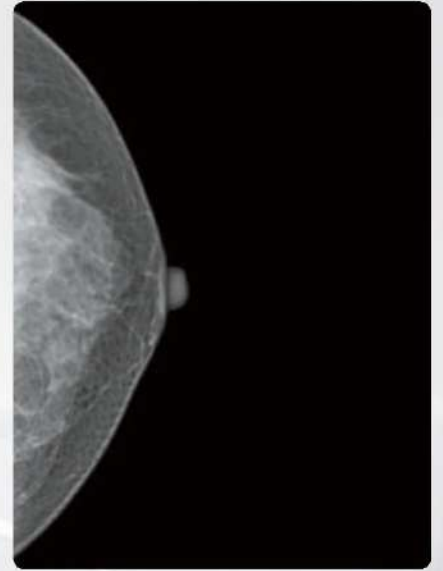
RCC Predominately fatty



LCC Predominately fatty



RCC 50/50 breast



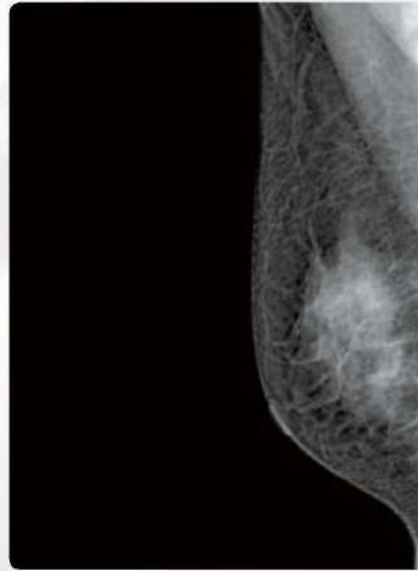
LCC 50/50 breast



RMLO Predominately Fatty



LMLO Predominately Fatty



RMLO 50/50 breast



LMLO 50/50 breast

A positive patient experience begins with you

Senographe Crystal puts everything — detector, tube, c-arm, and more — inside one elegant, stylish and streamlined enclosure. The simple operation and user-friendly design of Senographe Crystal make it easy for you to deliver quality, personalized care.

Slim design for comfortable patient positioning

The slim gantry, small tube head and compact bucky allow the patient to embrace the system in a comfortable, natural position.

The Windows™ OS you already know

Senographe Crystal runs on Windows7. Your working environment looks friendly and familiar.

Simple icons. Straightforward navigation

Finding exactly what you want is easy. The user interface uses easy-to-understand icons, so you can find your way around. Go from Worklist to Capture to Display fast.

Auto Exposure Control helps minimize dose—without compromising image quality

Auto Exposure Control makes a quick evaluation of breast tissue density and thickness to determine the optimal image quality and dose. It automatically selects the appropriate kV and mAs, to ensure repeatable, consistent image quality, while helping to minimize radiation dose.

Position the gantry easily—just one simple step

Pre-configurable exam protocols that you select and set yourself, according to your own workflow preferences, enable quick and automatic gantry positioning with only a single touch. It's that easy.

