

GE Healthcare

Performa

High-performance breast imaging



Moving mammography forward. And patients faster.

GE Healthcare's unparalleled leadership across mammography begins with a deep understanding of breast care. Close contact with clinicians and patients. A sensitivity to the human touch required in the delicate field of breast imaging.

And a keen focus on the clinical confidence and reassurance of putting every detail in clear sight.

In the Performa system, advanced imaging technology and ease-of-use features combine to deliver the exceptional image quality and high productivity demanded by today's fast-paced mammography departments.

Exclusive ECS.

Image more breast tissue with greater comfort.

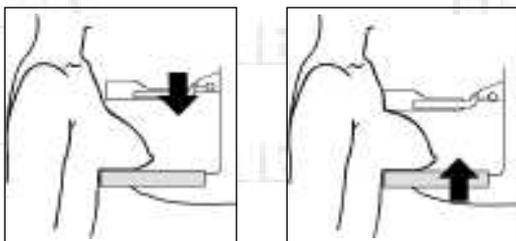
Imaging all possible breast tissue is made easier with Performa's Easy Compression System (ECS) – a GE exclusive.

With ECS, you adjust the machine to the patient, not the patient to the machine. Both the paddle and the bucky can be moved for even, bi-directional compression that takes advantage of the breast's natural mobility without stretching skin or tissue.

Ideal for oblique views, ECS is like a third hand that lets you maintain contact with the patient during positioning and compression. The result: Less patient discomfort. Better screening compliance. Fewer retakes. And higher throughput and productivity.

VectorPoint. Correct photocell placement. First time. Every time.

Time-consuming retakes due to improper photocell positioning annoy patients and techs, and devastate imaging schedules.



With ECS, more posterior breast tissue is made visible for imaging, with improved tissue separation, better visualization of anatomical structures and less patient discomfort.

Performa recognizes that the densest part of the breast may be off the centerline of the image receptor. VectorPoint™ allows you to correctly position the photocell under the densest breast tissue, no matter where it is, for the best possible images. The photocell can be moved in the medial or lateral direction for cranio-caudal projections, and in the superior or inferior direction for oblique projections.

Combined with Performa's Total Exposure Control (TEC) System, VectorPoint improves productivity, and makes each exam a better experience for both patient and tech.

AEC.

Superb exposures of dense breasts.

Performa's sophisticated Automatic Exposure Control (AEC) system automatically selects Molybdenum or Rhodium filters, kV and exposure time to deliver exceptional images of even the densest breasts.



Performa's 20-diode AEC detector can be placed in eight positions – allowing the technologist to position the photocell for optimal exposure and fewer retakes.



Confidence comes from clarity.

From its Diamond X-ray tube to its synchronized bucky, Performa delivers the exceptionally sharp, clear, highly detailed breast images radiologists demand for clinical confidence.

Advanced tube and generator technology. Precision, power and penetration.

- **High resolution for better breast imaging.**
Thanks to its precision-machined SP-cathode construction, the Diamond X-ray tube provides a Gaussian intensity distribution within the focal spot. The result: High-resolution, high-contrast, high-definition images, for outstanding visualization of details throughout the breast.
- **Reliable power for fewer retakes.**
The Performa's powerful THF (Tuned High Frequency) Generator is adjusted to within a 40 – 100 kHz frequency range to optimize operation. Its compact, cool-running design minimizes component stress to maximize reliability – which is further enhanced by a Heat Unit Integrator that addresses heat energy in both the tube and generator.
- **Focused energy for clearer magnification views.**
With its Easy Compression System, Performa shortens exposure times and delivers beautiful magnification views. Magnification options include 1.6, 1.8 and 2.0, plus the Mammospot® for low attenuation with sharp image details.

Synchro Bucky. Freeing images of gridline artifacts.

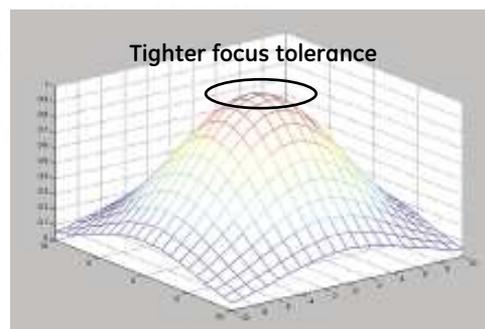
With today's shorter exposure times, producing images free of artifacts requires good grid movement – without the compromises of single-sweep buckies. The Synchro Bucky from GE synchronizes grid movement with the generator to provide proper grid speed at any moment of the exposure.

ROC. Minimizing scatter for sharper images.

Performa's optional ROC (Receiver Observer Characteristic) grid uses proprietary interspace material and precision-engineered micro-lamella construction to reduce scatter. By minimizing off-focal radiation with the SP tube design and scattered radiation with ROC grid technology, Performa produces significantly sharper, more detailed, higher-contrast images.

IQC. Compensating for processor variations.

Performa is just the first step in the mammography imaging chain. By entering the daily optical density reading, Integrated Quality Control (IQC) automatically matches Performa's density setting to the film processor perfectly. It also alerts the operator if the processor drifts beyond the allowed variation.



The Diamond X-ray tube has a Gaussian intensity distribution for sharp images.

A focus on flexibility.

One size fits anywhere.

The industry's smallest footprint. An all-inclusive, single-unit design. No separate generator cabinet. The Performa conserves valuable floor space in a hospital or office, fits easily in a 6 x 8-foot (1.8 x 2.5-meter) space or a mobile environment – yet still delivers ample power and penetration for breast imaging.

Upgrading to the versatility of stereotactic functionality is easy with Performa Stereo – a film add-on system that lets you perform all major biopsy procedures, including vacuum-assisted biopsy (with Mammotome®).

(The Easy Compression System is not available with Performa Stereo.)

A place for everything.

With its padded shelving, Performa's Alpha storage system protects your investment in paddles and accessories – and helps you save time searching for what you need.

Connecting HIS/RIS to film-screen imaging.

Reproducibility is critical in mammography. The Alpha ID II flashes to the film all patient data and critical exposure factors as well as the photocell placement. With optional HIS/RIS-link software, the system can be networked to your facility's patient information system. Patient lists can be accessed easily and exposure information, including patient dose, can be read back for archiving and follow-up.

We're just as committed to breast care as you are.

That's why we take innovation beyond imaging, to continually develop platforms for new technologies that help you sharpen your diagnostic accuracy. Enhance the confidence of your clinical decisions. Maximize the productivity of your department and staff. And provide the very best breast care for every patient.



The Performa Stereo.

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GE Medical Systems, a General Electric company, going to market as GE Healthcare.

For more than 100 years, healthcare providers worldwide have relied on GE Healthcare for medical technology, services, and productivity solutions. So no matter what challenges your healthcare system faces, you can always count on GE to help you deliver the highest quality healthcare. For details, please contact your GE representative today.

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