



Professional imaging



Mammography Solutions



FEMINA

Mammography systems

The new FEMINA platform has been engineered to meet all diagnostic requests for the latest digital mammography imaging methods. Thanks to the different configurations, the Radiologist is enabled to select the system tailored on their needs.

The fully redesigned isocentric C-arm makes the system more efficient and gives unparalleled diagnostic effectiveness.

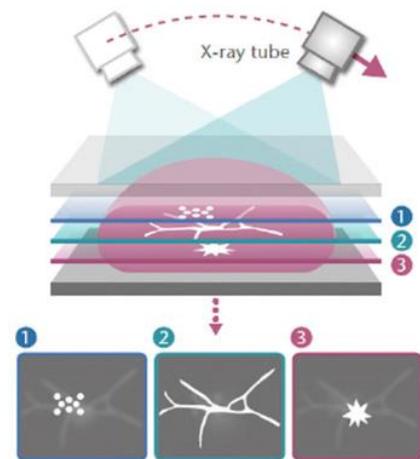
Each configuration can be created with the integrated acquisition workstation, a compact, high-performance system that is particularly suitable for installations in confined spaces such as a small van.

FEMINA has specialized solutions in detection and diagnostic processes and gives essential tools for exam optimization. Its functional and ergonomic design provides more comfortable positioning for the patient, completed by a fast operating system which speeds up the process and alleviates the patient discomfort.

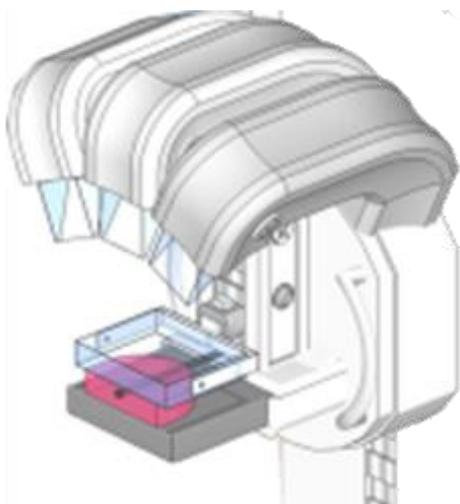


TOMOSYNTHESIS

While scanning the breast, the system takes a series of low dose x-ray exposures at different angles, and through a sophisticated algorithm, allows volumetric breast tissue reconstruction. The outstanding image quality offers a clear display of lesions and areas of interest and offers radiologists the best diagnostic accuracy, with a low level of radiation as compared to conventional mammography. VI (Volume Imaging) software produces 2D images directly from tomosynthesis images, without delivering additional dose to the patient. This procedure avoids the problem of overlapping structures that are seen in conventional 2D mammography and minimizes the impact of overlapping breast tissue, which significantly enhances the detection and characterization of breast lesions.



DOSIS OPTIMIZATION



- Designed to perform tomosynthesis examinations using 3 different angles, selectable by the Operator. These three modalities release variable doses at each exposure:

COMBO MODALITY

COMBO modality produces 3D and 2D images during the same compression cycle while delivering a total dose lower than the limits imposed by the EUREF protocol for conventional mammography.



Stereotactic Bym 3D

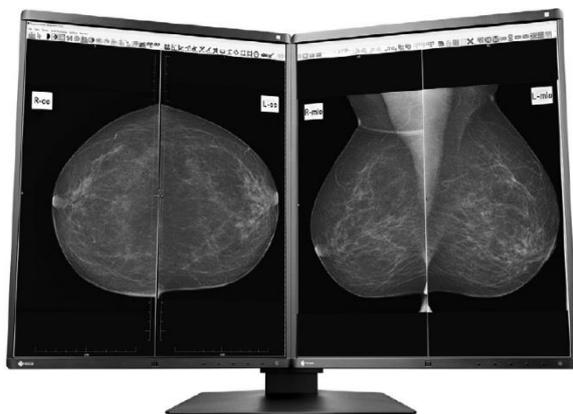
FEMINA DR systems, equipped with an isocentric C-arm, can be combined with the Bym 3D three-dimensional biopsy device. It is easily interchangeable with the Potter-Bucky and the magnification device.

For biopsy exams, the C-arm has a positioning motor ($\pm 15^\circ$) which can be activated when the Bym 3D is inserted. The system has no marking limits which facilitate the harvesting of multiple samples. A wide range of supports and adapters enables the use of the most common needles, biopsy guns and VABs.



Diagnostic workstation

FEMINA has a workstation multimodality for perfect visualization of images and the preparation of studies. It offers to Radiologists a wide range of options for viewing, analyzing, comparing, transferring and archiving digital images, through its interface DICOM.



Radiologists will be able also to customize the main settings, to move quickly from a case to another and proceed to the study, as easy as pressing a button on the multifunction keyboard. Available as a stand-alone or integrated workstation in existing systems.



FEMINA Digital DBT

FEMINA DBT is a high-end tomosynthesis system, designed with unique care to meet the diagnostic needs of radiologists. It greatly improves operator performance while enhancing patient comfort. FEMINA DBT provides images of outstanding quality that clearly display lesions and areas of interest, minimizing the dose level to the patient. Even more upgradable with cutting edge biopsy techniques in tomosynthesis and contrast mammography.



FEMINA Digital

A complete system for 2D image acquisition, fully upgradable to any digital method: 3D and dual- energy. Implementable with a wide range of accessories including the device for stereotaxic and tomo-guided biopsies.



FEMINA Digital Compact

Perfect choice for 2D acquisitions, with possibility to integrate with wide choice of accessories. Compact design and A-Si detector make it the best option for mobile solutions.

FULL SELECTION OF OPTIONS

	DBT	DR	DR C
2D screening	●	●	●
2D diagnostics	●	●	X
3D diagnostics	●	○	X
Tomo Volume Visualization	○	○	X
Dual Energy	○	○	X
Motorized Rotation	●	●	○
49 kV generator	●	○	○
High Speed starter	●	○	○
Magnification Kit	○	○	○
Stereotactic Biopsy	○	○	X
Tomo Biopsy	○	○	X
A-Si detector	WIP	●	●
A-Se standard detector	●	○	○
A-Se FAST detector	○	○	X
Acquisition Workstation	○	○	○
Truck installation kit	○	○	○

● standard ○ optional X not available

FEMINA ANALOG



Fully operational analogical system for screening and diagnostic examinations to support early breast cancer prevention.

Perfect to perform accurate diagnosis at reduced operating cost.

Ergonomic design to ensure patient safety and comfort while providing full operator support with integrated control system in the touch screen displays and remote acquisition with the pedals and hand switch.

Motorized vertical movement and iso-centric arm.

For an optimal workflow, without unnecessary movements, four Multiple Switches assist with vertical and rotation C-arm manual movement control by means of continuous selections.

Two rotating controllers allow the operator to perform a **manual fine adjustment** for additional adjustments after compression.



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