



# FEMINA DIGITAL SERIES

One Platform,  
Three Systems

RADIOLOGIA SA



# Equipments

## One Platform, Three Systems

The new Femina Digital platform has been engineered to meet all diagnostic requests, with different configurations that allow the radiologist to use the latest digital mammography imaging methods.

The designed isocentric C-arm makes the system more efficient and superior in terms of 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 DIGITAL DBT



The top-of-the-line system can be configured for any type of mammography exam including tomosynthesis. It is easily 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



This version is suitable for 2D image acquisition, but it can be integrated with a wide range of accessories with unmatched performance-price specs. It is compact design and its CsI detector is perfect match for mobile screening mammo units.



	FEMINA DIGITAL DBT	FEMINA DIGITAL	FEMINA DIGITAL COMPACT
2D Screening	✓	✓	✓
2D Diagnostic	✓	✓	×
3D Diagnostic	✓	○	×
M-View/VI_Synthetic 2D Image	○	○○	×
TVV Tomo Volumen Visualization	○	○○	×
CEV Dual Energy	○	○○	×
Motirized Rotation	✓	✓	○
49 KV HF Generator	✓	○	○
High Speed Starter	✓	○	○
Magnification Kit	○	○	○
Stereotaxy Biopsy	○	○	×
Tomo Biopsy	○	○○	×
Silicon Amorphous Detector	WIP	✓	✓
STD Selenium Amorphous Detector	✓	○	○
FAST Selenium Amorphous Detector	○	○	×
2Mp Display on mammo unit	✓	✓	✓
3Mp Display on mammo unit	○	○	○
5Mp Display on mammo unit	○	○	○
AWS Acquisition Workstation	○	○	○
Truck installation Kit	○	○	○
Diagnostic Workstation	○	○	○

✓ Standard    × Not Available    ○ Optional    ○○ Option available only if the 2D system is updated for 3D DIAGNOSTICS

FEMINA DIGITAL relies on a specialized platform for Screening and Diagnostic processes which facilitates all the essential tools that optimize the process. A functional and ergonomic design provides more comfortable patient positioning which is further complimented by a rapid, user-friendly operating system that streamlines the process, alleviating the discomfort that these types of exams can produce.

Furthermore, the wide variety of accessories helps to optimize the profession, offering greater dynamics and smoothnes of operation.

## KEY BENEFITS FOR...

- **Technicians.** The system adapts to their needs, boasting ergonomics, usefulness and easy use.
- **Practitioners.** It guarantees a more precise diagnosis with a consistent system performance which increases patient volume.
- **Patients.** For the comfort and security of procedures, its optimization of time minimizes the patient's feelings of discomfort.
- **Ergonomics.** It is designed for the best patient experience and better operator functionality.



# Tomosynthesis (OPTION)

Each exam has its own peculiarities and therefore needs specific procedures, along 3 different angles selected by the operator:

- **15° Angle (narrow)** allows a quick image acquisition, recommended for screening for all type of breast density with a minimum Glandular Average Dose.
- **24° angle (Intermediate)** is the best compromise to obtain at the same time excellent image quality and minimum Average Glandular Dose. This modality is recommended for dense size breasts.
- **36° angle (wide)** grants the highest resolution and allows to clearly and focus of interest. This modality is usually recommended for diagnostic in-depth analysis.

FEMINA DIGITAL is equipped with:

- **Amorphous selenium detector** with native pixel resolution (no binning) in both 2 D and tomosynthesis exams.
- **Anti-scatter grid specific** which grants excellent diagnostic images in 2D screening, 3D and 3D biopsy.
- **Combo mode allows to acquire 2D and 3D images** during the same compression and grants a total dose lower than the limits imposed by EUREF protocol for conventional mammo.
- **Optional software "VI" (Volume Imaging)** allows to obtain 2D images directly from tomosynthesis images, without additional dose to the patient.

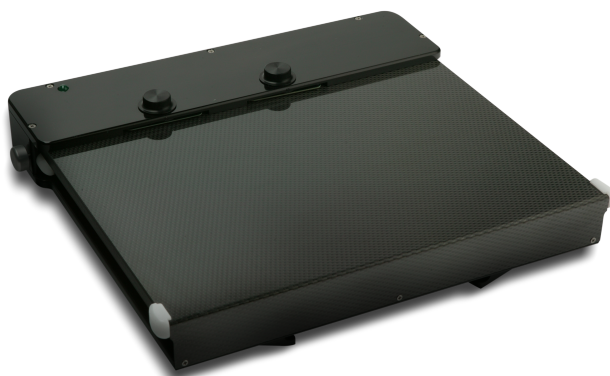


OPERATOR CONSOLE



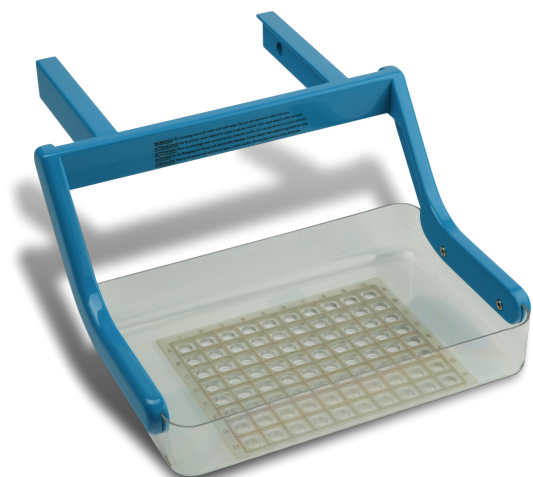
# Detector

- The Amorphous Selenium is the most advanced technology to produce the highest signal/noise ratio and greater efficiency than any other known technologies. With the Amorphous Selenium the X-Radiation is transformed directly into electric charges without relying on an intermediate step to convert X-Ray energy to light. So the direct detection avoids a light diffusion effect that degrades image quality, produces a precise signal profile and preserves the image sharpness, with native pixel resolution (no binning) in both 2 D and tomosynthesis exams. Selenium with fast acquisition.
- Amorphous Silicon with CsI for a cost-effective solution with the key value quality indicated for screening purpose with a wide range of working temperature without affecting the image quality.



# Accessories

- **Magnification Kit**, enables the attaining of larger and improved image visualization thanks to a support of x1.5 and x2 with gridless detector and cassette/detector support as well as automatic area selection.
- **Patient protective screen**.
- **Advanced automatic light meter calibration**.
- **Pedal assembly**: optimizing system operating time, avoiding mobility and permitting hands-free access.
- **Exposure control**: practical device to be used as a smooth contact.
- **Stereotaxy**.
- **Compression spades** achieving adjustments effectively with maximum compression with a triple security device: electronic, electromechanical and a rapid mechanical unblocking mechanism.
- **Perforated compression spade** for two-dimensional biopsies.
- **Motorized system** filter with automatic commutation.



# Diagnostic Workstation

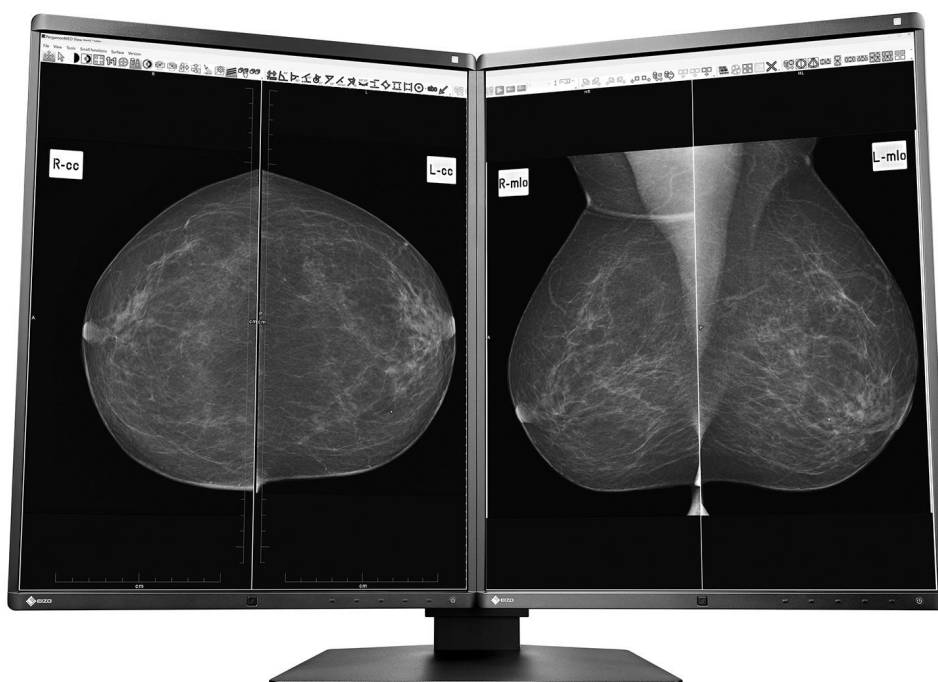
## Cost Effective, User Friendly & Intuitive

Femina Digital Diagnostic Workstation is a multimodality mammography workstation to perform all reading and reporting offering radiologists a wide range of options for viewing, analysing, comparing, transferring and archiving digital images, through DICOM interface.

The workstation is extremely versatile: radiologists can customize the main configurations to quickly move from case to case and proceed through the study

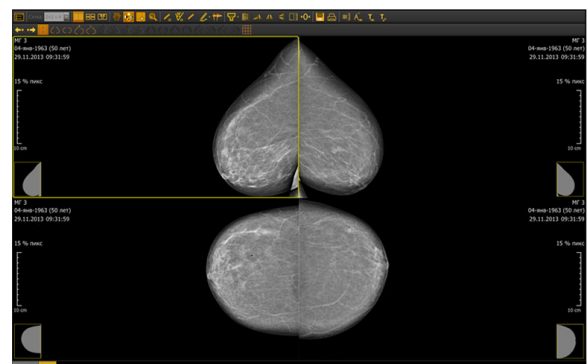
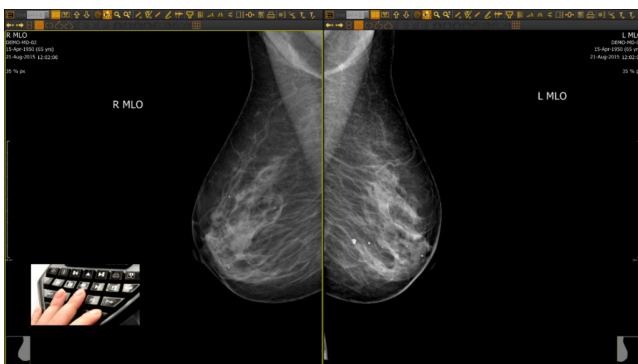
step by step with the push of a single button of the multifunction key pad. Femina Digital Workstation is available as a standalone workstation or integrated with existing systems.

The fully automated workflow efficiently enables the radiologist to describe exam conclusions, make prints, and prepare a CD/DVD that includes DICOM images. A convenient and easy to use CD/DVD preparation program for viewing on standard computers is also included.



## KEY FEATURES

- Automatic Display Protocols for mammography images visualization.
- Tomosynthesis Module for the display of DBT exams.
- Zoom tool: mammogram pairs are located symmetrically on the monitors.
- Pixel View tool for a better focus on specific regions of interest.
- Image Navigator helping the radiologist to identify and recall suspect locations.
- Multifunction keypad for fast execution of the most commonly used functions.
- Recall and preview historical patient studies
- Display new and historical images simultaneously for comparison. Easy and fast access to Visualization Modes and Tools.
- Simple and effective real-time image filters make it possible to highlight details or suppress noise, emphasizing any potential areas of concern.
- Tools for analyzing digital images including zoom, image placement on the screen and subtle brightness / contrast adjustments. A wide range of measuring tools help carry out numerical analysis of abnormalities: measuring the length of a segment, size of an area, and angles. All measurements can be applied to the mammogram as annotations and sent to the printer. User customizable report templates are embedded in the workstation.



# PIONEERS IN RADIOLOGY SINCE 1947

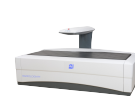
## A NETWORK OF SERVICE + SUPPORT

Enjoy all the advantages of our successful service network. From the first shot to the last managed image, we work to continually improve your team's performance, helping you innovate as needs evolve and take advantage of to the maximum of budget and resources.

Radiologia SA's successful service network surrounds you with a dynamic team of exceptional experts. Your organization and your patients will benefit from the experience and best practices that only Radiologia SA can offer, based on thousands of customer contracts worldwide and our heritage of 80 years of innovation in diagnostic imaging.



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