



PRESENTS

# MAMMOGRAPHY SOLUTIONS



SERENYS  
SERENYS DR  
AND  
SERENYS DBT  
SYSTEMS



A DIVISION OF THE DMS GROUP

# A COMPLETE RANGE OF MAMMOGRAPHY SOLUTIONS



## SERENYS

SERENYS defines the state of the art in analog mammography. The system can be used to perform accurate diagnosis at a much reduced operating cost. This is a fully operational, conveniently priced unit that radiologists use to acquire high quality images while achieving an optimal workflow. Its efficient and user-friendly design guarantees a serene, reassuring experience for the patient and the operator in the detection of breast cancer.



## SERENYS DR

SERENYS DR is a full-field digital mammography solution for screening and diagnostic examinations supporting the prevention of breast cancer. It was designed to ensure patient and operator comfort. The control and acquisition workstation is equipped with an x-ray shield.



*SERENYS DR is available in a compact version*



## SERENYS DBT

SERENYS DBT is an advanced Digital Breast Tomosynthesis system, designed to meet the diagnostic needs of radiologists, while offering the best results and conditions of use. Its intended use is for two-dimensional diagnostic or screening and three dimensional tomosynthesis examinations. SERENYS DBT generates images of excellent quality, offering a clear view of lesions with a low level of dose as compared to conventional mammography.

# A FLEXIBLE SYSTEM WITH MANY DIFFERENT CONFIGURATIONS

## ISOCENTRIC C-ARM

The motorized isocentric C-Arm (rotation and vertical movement) allows for all breast projections without moving the patient and without adjusting the height of the C-Arm, making exams faster and more comfortable for the patient.

## SMART $\mu$ PRESS

The smart compression system features a smooth and adapted paddle design that compresses the breast progressively once in contact. The exclusive FTSE function automatically adjusts the force to be applied accordingly to breast density. The system improves patient comfort.

## DETECTOR

SERENYS DR and SERENYS DBT are equipped with an indirect conversion Amorphous Silicon detector. A direct conversion Amorphous Selenium detector is available as an option and is required for tomosynthesis. The result is a signal with an extremely precise profile that preserves the sharpness of the image and guarantees the highest quality.

## TOMOSYNTHESIS

With a Digital Breast Tomosynthesis, multiple low-dose x-ray images are acquired in an arc and then reconstructed to create a three-dimensional image. This procedure avoids the problem of overlapping structures seen in conventional 2D mammography and minimizes the impact of overlapping breast tissue, which significantly enhances the detection and characterization of breast lesions.

## ACQUISITION WORKSTATION

This workstation has been designed to simplify and optimize the workflow using intuitive solutions that can be customized by the operator. It includes a 15" touchscreen display with a trackball.

## BIOPSY DEVICE

The stereotactic biopsy device uses microprocessor control combining simplicity and precision to locate the 3D position of lesions and position the biopsy needle to reach the lesions, even in difficult positions.

Key elements of the system include :

- Automatic positioning
- The needle placement unit (NPU) which includes a needle placement support and the compression paddle with window for biopsy
- The processing unit (PU)



# OPTIONS

	SERENYS (ANALOG)	SERENYS DR (DIGITAL)	SERENYS DBT (DIGITAL)
<b>INDIRECT DETECTOR</b> (A-SI) <b>DIRECT DETECTOR</b> (A-SE)	—	✓ Optional	✓ Optional
<b>GENERATOR</b> <b>HF GENERATOR</b> (OPTIONAL)	20 - 35 kV 20 - 40 kV	20 - 35 kV 20 - 40 kV	20 - 35 kV 20 - 49 kV
<b>COMPACT VERSION</b>	—	Optional	—
<b>POTTER BUCKY</b>	18 x 24 cm 24 x 30 cm (optional)	24 x 30 cm	24 x 30 cm
<b>C-ARM MOTORIZED ROTATION</b>	Optional	Optional	✓
<b>ISOCENTRIC C-ARM</b> (BYM)	Optional	Optional	✓
<b>FOOT CONTROL</b>	Compression Multifunction (optional)	Compression Multifunction (optional)	Multifunction
<b>STEREOTACTICS BIOPSY</b>	Optional	Optional (available with bym only)	Optional
<b>MAGNIFICATION KIT</b>	Optional	Optional	Optional
<b>TOMOSYNTHESIS</b> (AVAILABLE WITH SELENIUM DETECTOR ONLY)	—	—	Optional
<b>ACQUISITION WORKSTATION</b>	—	✓	✓
<b>REVIEW REPORTING STATION</b>	—	Optional	Optional
<b>TRUCK INSTALLATION KIT</b>	Optional	Optional	—

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## MAMMOGRAPHY SOLUTIONS



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This product is a Class IIb medical device manufactured by Metaltronica. The conformity assessment was carried out by DNV, n°0434 and therefore bears the CE marking. It is intended for the realization of mammographies. Read the operating instructions carefully. Photos are non-contractual. BrochureA\_MAMMOGRAPHY SOLUTIONS\_01 04/2019