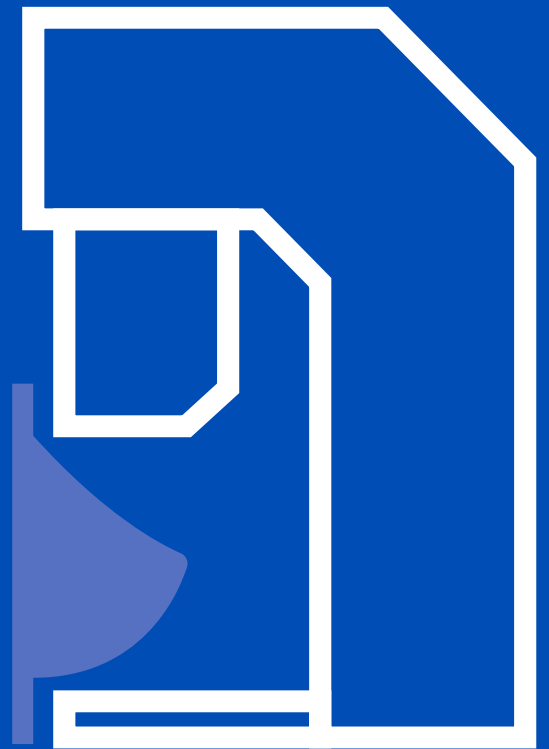


 **APELEM**

PRESENTS

# MAMMOGRAPHY SOLUTIONS



**SERENYS SERIES**

 **DMS**  
IMAGING

A DIVISION OF THE DMS GROUP

# A COMPLETE RANGE OF MAMMOGRAPHY SOLUTIONS

## ANALOG SOLUTIONS

### SERENYS

*Accurate diagnosis at a much reduced operating cost*

SERENYS is a fully operational, conveniently priced unit that radiologists use to acquire high quality images while achieving an optimal workflow. It is suitable for all breast exams including high volume mammography screening programs which are always performed with the most accuracy.



## DIGITAL SOLUTIONS

### SERENYS DR

*Complete system for 2D image acquisition, fully upgradable to 3D*

SERENYS DR is a full-field digital mammography solution for screening and diagnostic examinations supporting the prevention of breast cancer. Designed to ensure patient and operator comfort, it is implementable with a wide range of accessories including the device for stereotactic and tomo-guided biopsies.

Also available in a version not upgradable for biopsy exams: **SERENYS DR C.**



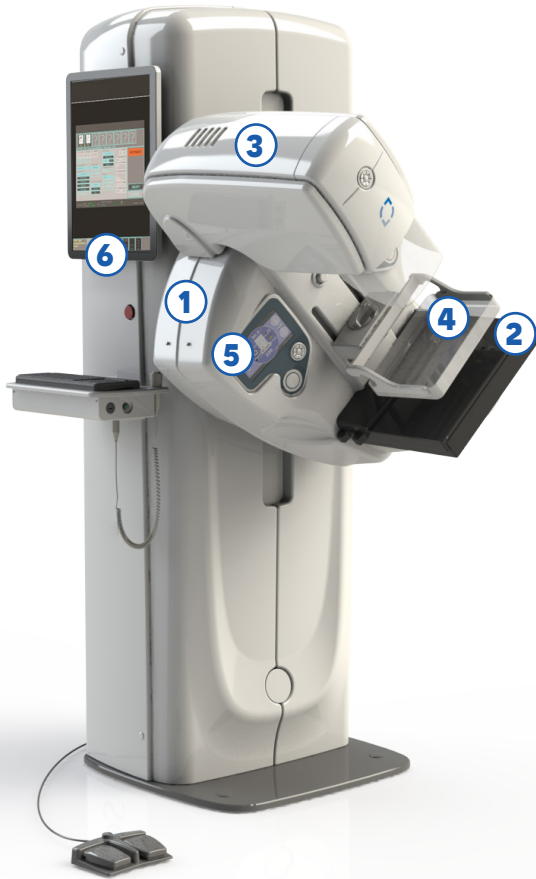
### SERENYS DR DBT

*Advanced Digital Breast Tomosynthesis system*

SERENYS DR DBT is used for two-dimensional diagnostic or screening and three dimensional tomosynthesis examinations. It generates images of excellent quality, offering a clear view of lesions with a low level of dose as compared to conventional mammography. It is easily upgradable with cutting edge biopsy techniques in tomosynthesis and contrast mammography.



# FLEXIBLE SYSTEMS WITH MANY DIFFERENT CONFIGURATIONS



## ① ISOCENTRIC C-ARM

The motorized isocentric C-Arm (rotation and vertical movement) allows 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.

## ② DETECTOR

Indirect Amorphous silicone (a-Si) and direct amorphous selenium (a-Se) detectors are available. The a-se detector allows a signal with an extremely precise profile that preserves the sharpness of the image and guarantees the highest quality.

## ③ 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.

## ④ SMART $\mu$ PRESS

Motor-driven adjustable force and manual compression by means of a double rotary control, ensures optimal compression of the breast with minimal discomfort to the patient. Based on the specific density of the breast to be examined, the exclusive FTSE function automatically adjusts the optimal force to be applied.

## ⑤ TOUCHSCREEN CONTROL PANEL

Two colour displays placed on both sides of C-Arm, show information regarding compression force, compressed breast thickness, collimation format, magnification factor, projection angle and patient name. Through a touchscreen the operator can select breast laterality and ACR codes.

## ⑥ INTEGRATED ACQUISITION WORKSTATION

Simplify and optimize the workflow using intuitive solutions that can be customized by the operator.

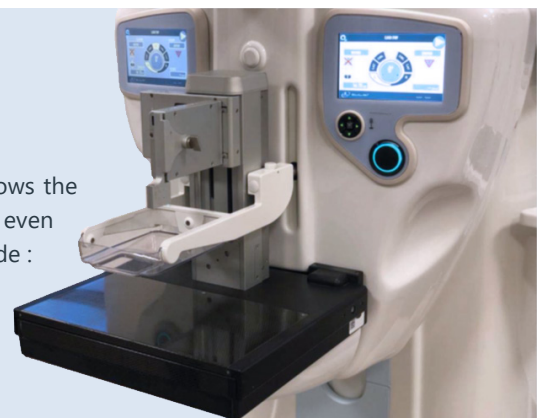
Separated workstation available with a stand-alone anti-X half transparent screen.



## STEREOTACTIC BIOPSY DEVICE

It locates the 3D position of a breast's lesion and allows the operator to reach it by positioning the biopsy needle, 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



	<i>Serenys</i>	<i>Serenys DR C</i>	<i>Serenys DR</i>	<i>Serenys DR DBT</i>
TYPE	Analog 2D	Digital 2D compact	Digital 2D upgradeable 3D	Digital 2D and 3D
2D SCREENING	✓	✓	✓	✓
2D DIAGNOSIS	✓	✗	✓	✓
3D DIAGNOSIS TOMO VOLUME VISUALIZATION	✗	✗	Optional	✓
M-VIEW / VI SYNTHETIC 2D IMAGE	—	✗	Optional*	Optional
CEV DUAL ENERGY	—	✗	Optional*	Optional
C-ARM MOTORIZED ROTATION	Optional	Optional	✓	✓
INDIRECT DETECTOR (A-SI)	—	✓	✓	✓
DIRECT DETECTOR (A-SE)	—	Optional	Optional	Optional
DIRECT DETECTOR (A-SE) FAST	—	✗	Optional	Optional
GENERATOR	20 - 35 kV	20 - 35 kV	20 - 35 kV	
HF GENERATOR	20 - 40 kV (optional)	20 - 49 kV (optional)	20 - 49 kV (optional)	20 - 49 kV
HIGH SPEED STARTER (HSS)	Optional	Optional	Optional	✓
POTTER BUCKY	18 x 24 cm 24 x 30 cm (optional)	24 x 30 cm	24 x 30 cm	24 x 30 cm
MAGNIFICATION KIT	Optional	Optional	Optional	Optional
STEREOTACTIC BIOPSY	Optional	✗	Optional	Optional
TOMO BIOPSY	✗	✗	Optional*	Optional
INTEGRATED ACQUISITION WORKSTATION	—	✓	✓	✓
SEPARATED ACQUISITION WORKSTATION	—	Optional	Optional	Optional
2MP DISPLAY ON MAMMO	—	✓	✓	✓
3MP DISPLAY ON MAMMO	—	Optional	Optional	Optional
5MP DISPLAY ON MAMMO	—	Optional	Optional	Optional
REVIEW REPORTING STATION	—	Optional	Optional	Optional
STAND-ALONE ANTI-X HALF TRANSPARENT SCREEN	Optional	Optional	Optional	Optional
TRUCK INSTALLATION KIT	Optional	Optional	Optional	Optional

\*Option available only if 2D system is upgraded for 3D diagnosis

## MAMMOGRAPHY SOLUTIONS



HEADQUARTERS > 393 rue Charles Lindbergh - 34130 Manguio — FRANCE

FACTORY > Parc Scientifique G. Besse — 175 Allée Von Neumann - 30035 Nîmes — FRANCE

PHONE > +33 4 66 29 09 07 – FAX > +33 4 67 50 49 09 – [www.dms-imaging.com](http://www.dms-imaging.com)

This product is a Class IIb medical device manufactured by Metaltronica. The conformity assessment was carried out by IMQ, n°0051 and therefore bears the CE marking. It is intended for mammographs. Read the operating instructions carefully. Photos are non-contractual. BrochureA\_SERENYS\_Series\_02 01/21