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Технические характеристики на цифровые маммографы Mammograph FFDM C+, FFDM+, D-ТОМО+ компании **Italray**



Maximum Flexibility
 Lowest Dose
 Superb image quality



Geometric Magnification



Isocentric C-arm



MAMMOGRAPH PRODUCT LINE

The perfect synthesis between excellent imaging technology and successful design made of modern and ergonomic lines: the new Italtaray MAMMOGRAPH product line represents the ideal solution to satisfy every diagnostic request for clinical mammography: from mammography to stereotaxic biopsy.

The different models available (from the analog mammograph MAMMOGRAPH to the digital one for 3D tomosynthesis: MAMMOGRAPH D-TOMO+) ensure the clinician productivity and high image quality, without forgetting at the same time attention to the patient, advantageous costs and use all the recent digital mammography imaging methods.

MAMMOGRAPH

The innovative mammograph for traditional analogue imaging. Implementable with the device for stereotaxic and tomo-guided biopsies. Upgradable with DR panels.

MAMMOGRAPH FFDM C+

For 2D image acquisition. It can be integrated with a wide range of accessories with unmatched performance-price specs.

MAMMOGRAPH FFDM+

For 2D image acquisition, fully upgradable to any digital method, also 3D. Implementable with a wide range of accessories including the device for stereotaxic and tomo-guided biopsies.

MAMMOGRAPH D-TOMO+

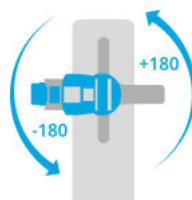
It can be configured for any type of mammography exam including tomosynthesis. It is easily upgradable with cutting edge biopsy techniques in tomosynthesis and contrast mammography.

MAMMOGRAPH Analog and Digital systems



Compression system

Motorized and manual compression system with safe release, and parameters visualization on lateral displays.



Isocentric C-arm

Motorized vertical movement and continuous motorized^(*) rotation with pre-selectable angles, all breast positions can be inspected without having to move the patient.



Geometric magnification

Device for (x1.5 / x1.8 / x2) geometric magnification with automatic selection of small focus once fitted



Anti-X Safety

Protective anti-x barriers for operator safety and polycarbonate screen to protect patient's face

MAMMOGRAPH FFDM C + | FFDM + | D-TOMO + Digital mammographs



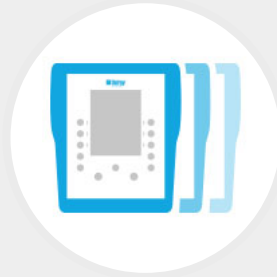
Image quality

Very high image quality thanks to enhancement algorithm for mammographic images.



Digital breast tomosynthesis

Increase mammogram diagnostic content with a detailed 3D reconstruction.



Productivity

Totally, microprocessor controlled digital mammography system: its asymmetry facilitates the operator both in accessing the controls a patient.



Low dose

Digital detectors with high DQE for a significant dose reduction compared to conventional systems.



Interfacing with any RIS, with PACS archiving systems and with DICOM printers.

COMPRESSION SYSTEM

Adjustable manual and motorized compression with safety release
Progressive reduction of compression speed for greater patient comfort
Adjustable compression force and thickness shown on touch screen displays
Special function for 0 N compression force for oncology procedures



ISOCENTRIC "C" ARM

Motorized vertical movement
Continuous motorized⁽¹⁾ rotation with programmable projections
Two touch screen 7" colour displays with info about compression, patient, exam and ACR code;
Usable for Stereotactic Biopsy in combination with the dedicated SBD accessory



ACQUISITION STATION (AW S)

Image acquisition station, with integrated x-ray button and 2, 3 or 5 MP medical grade monitor
Integrated acquisition workstation: a compact, high-performance configuration, dedicated for complex and mobile installations
Optional separate acquisition workstation with integrated anti-X protective barrier



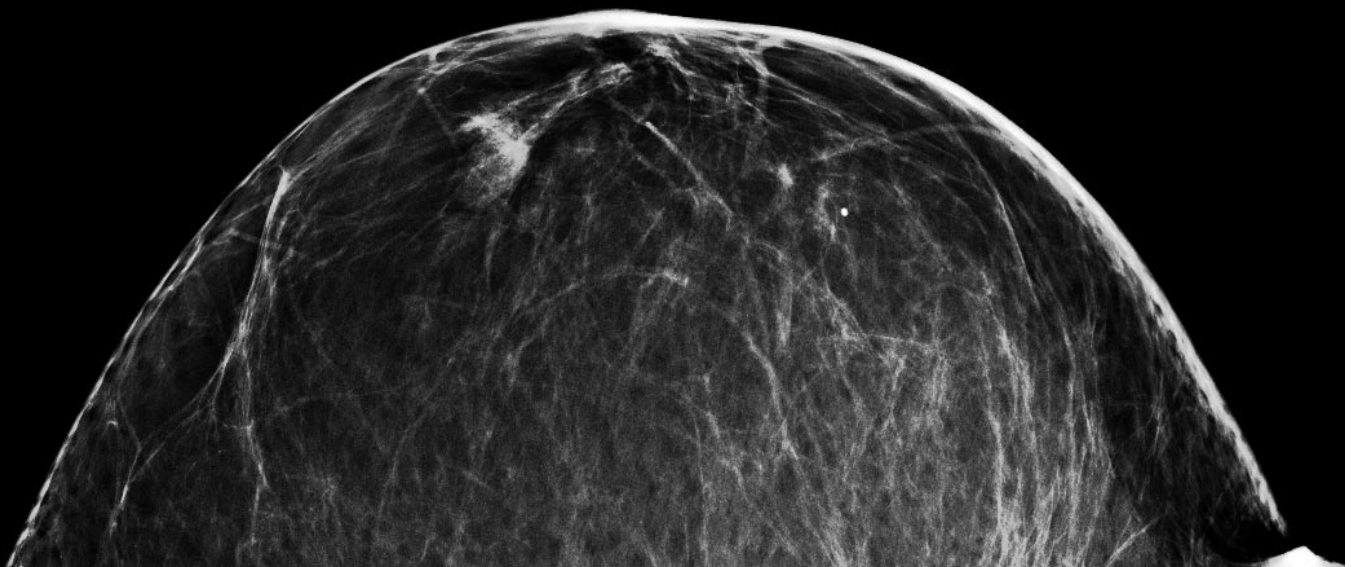
AUTOMATIC CONTROL OF EXPOSURE

Applied basing on breast density or
compressed breast thickness (for patients
with prothesis)
Device for the calculation and visualization
of the Average Glandular Dose (AGD)



Extremely low dose

SUPERB IMAGE QUALITY





HIGH FREQUENCY GENERATOR
(100 kHz)



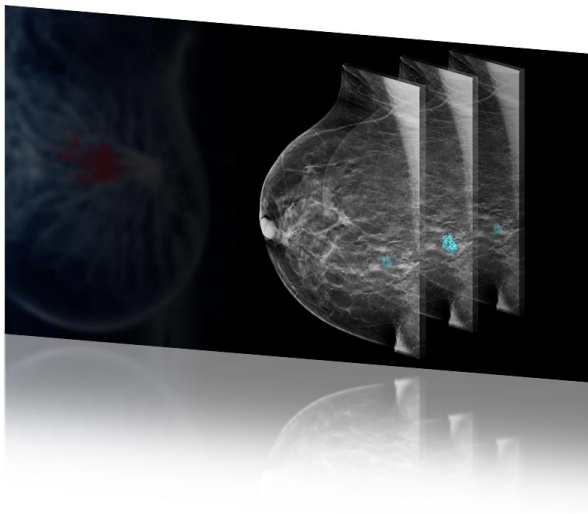
X-RAY TUBE WITH 2 FOCAL SPOTS



RHODIUM/SILVER/ALUMINUM/COPPER FILTERS



(a-Se/a-Si) DIGITAL DETECTOR WITH 16 BIT CONVERSION



DIGITAL BREAST TOMOSYNTHESIS

Mammograph D-TOMO+ complete digital mammography solution optimized for 3D tomosynthesis

Conventional mammography with a 24×30 cm detector with Amorphous Selenium technology for direct conversion

Tomosynthesis scan

Conventional mammography and tomosynthesis scan during breast compression procedure

MAMMOGRAPH FFDM C + | FFDM + | D-TOMO + Digital mammography workstation for review and screening

1

Customized **mammographic specific reading** and hanging protocols for both screening and diagnostic study interpretation

2

“**One-click**” **workflow-streamlines** reading from opening a study to generate a report

3

Streamlined comparison between **current exams** and **multiple previous exams**

4

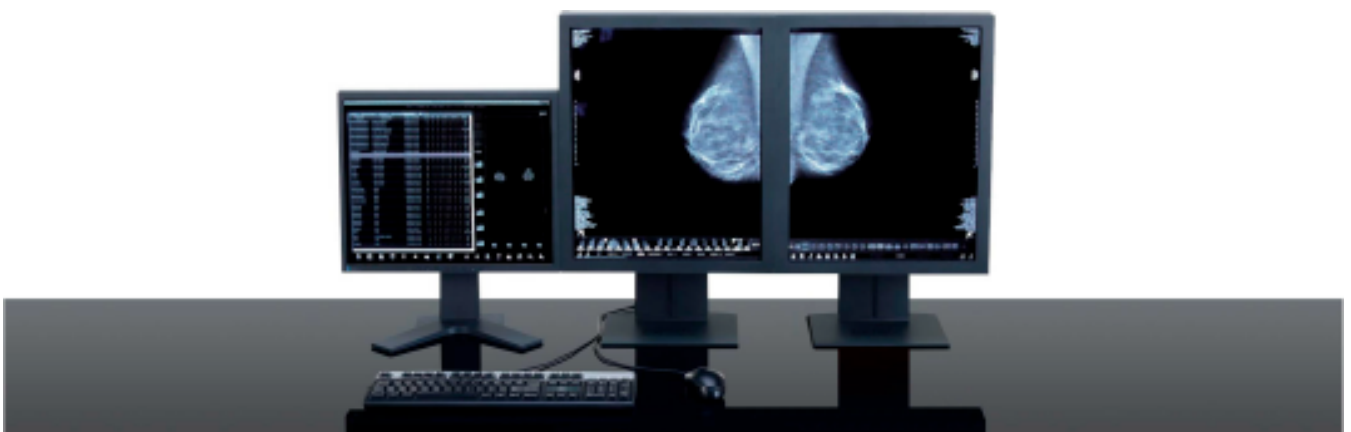
Automatic **alignment** and **scaling** of images

5

Navigation by mouse wheel to view full-resolution image

6

Automatic Mammography **Reporting System**



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