

melody III

Analog/digital mammography systems



radiology ahead

melody III

high quality screening

Analog mammography unit

Melody III is a modern mammography unit designed to suit all the clinical needs concerning screening and breast disease prevention. Thanks to the use of advanced technology, Melody III combines **high quality imaging** with superior **ergonomics** for both patient and operator, representing an efficient diagnostic tool, as well as easy to use.

Melody III is the analog version created to adequately respond to the basic needs concerning mammography through optimal radiographic performances and a wide range of accessories.

The **high frequency generator** provides a wide range of exposure parameters, making it suitable for analysis of any type of tissue, ranging from the smallest breasts to the densest ones.

The accurate **automatic exposure control** allows an optimal selection of system's parameters, in order that X-ray emissions may always meet the highest mammography-related standards.

Either 24x30cm or 18x24cm potter bucky is available, together with a specific version featured by a **dual-size cassette holder** that accepts both 24x30cm and 18x24cm cassettes by means of an easy to use adapter.

Melody III can be equipped with an **Isocentric C-arm**, making it ready to operate with the stereotactic biopsy system.



ergonomics & reliability



The **main user interface**, on the side of the machine in Melody III and Melody IIID systems, grants the selection of the examination modalities in few seconds. The integrated LCD graphic display shows the complete system's parameters as well as the Average Glandular Dose (AGD).



The **auxiliary user interface** of Melody III, positioned frontally, shows at a glance applied compression force, arm rotation angle and thickness of compression. On the digital unit, this interface is placed close to the detector and integrates a keyboard for ACR codes.



The **stereotactic biopsy system BYM 3D**, available for all our mammography systems, expands the field application to diagnostic biopsy procedures. The needle positioning support can be easily placed on the machine and lesions are reached also in difficult positions, with great accuracy in targeting.



Melody III can be integrated with a wide choice of options and accessories, allowing the user to obtain the most appropriate configuration for any specific need. The **range of compression paddles** includes regular and shifted ones, of various sizes and formats.

melody III D

advantages of digital systems

Digital mammography unit



*The advanced **Smart Micro-Press** compression system, also available on Melody IIID/TS, relies on a new encoder-activated command: it is ergonomically positioned, controlled by the operator with the use of a single finger and assures unsurpassed patient comfort.*

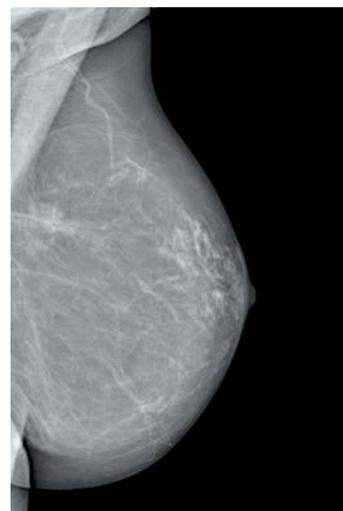
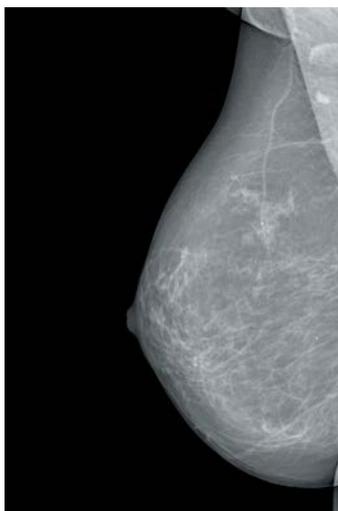
Melody IIID shares the same platform of the analog mammography unit, yet features a wide format 24x30 cm **Flat Panel Detector**, available with amorphous Selenium or amorphous Silicon with CsI scintillator technology, able to acquire high resolution images, rich in details, thus allowing an easier detection of diseases and breast's suspect lesions.

Furthermore, digital mammography hugely reduces the radiation dose required to obtain the diagnostic image, thanks to the **high-sensitivity detector** and the best **anode/filter combination**, which assure the best performances for any kind of breast.

Melody IIID is outfitted with an acquisition workstation, provided with DICOM interface and all the necessary tools for workflow management. An additional diagnostic workstation is available as option. It is supplied with a couple of medical-grade **high resolution monitors** and a **powerful software**, which maximizes the diagnostic quality of acquired images.

A specific version of Melody IIID ready for **digital stereotactic biopsy** is available, allowing to precisely locate the suspect breast's lesion and then take a sample for analysis.

The result is a comprehensive diagnostic tool able to perform **fast and efficient examinations**, while ensuring the utmost care for the patient.



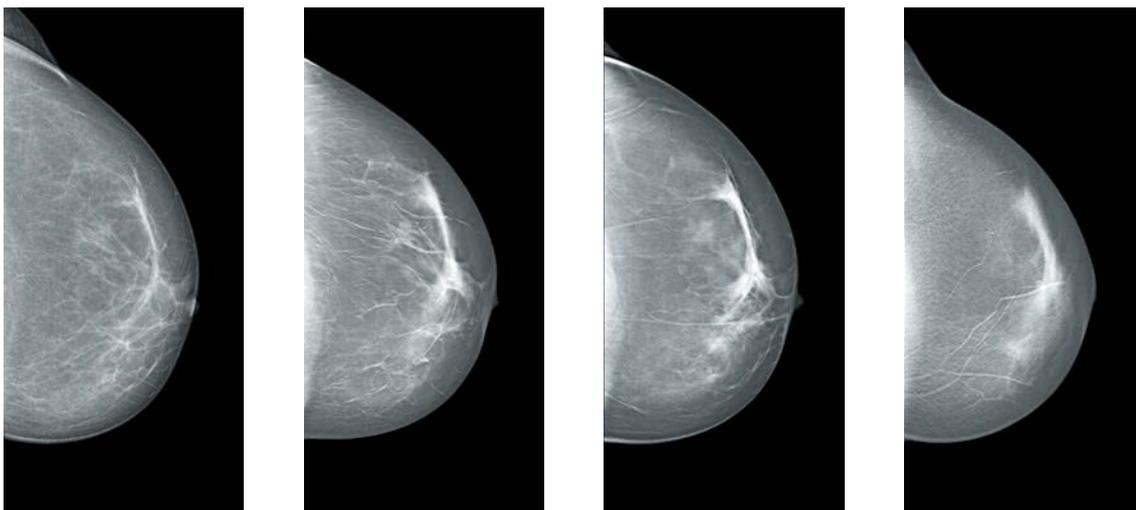


resolution & sensitivity

melody III D TS

innovative mammography unit

Digital breast tomosynthesis unit



Melody III D TS stands out for the **tomosynthesis function**, a leading-edge technology that can overcome the weakness of conventional mammography. During the examination, the mammography unit performs a rapid scan of the breast, acquiring **a series of images** from different projection angles.

Afterwards, advanced algorithms re-elaborate the acquired information and reconstruct a sequence of images related to thin anatomical sections (slice) of the examined volume.

The **slice analysis** allows to distinguish suspected anatomical structures which can be difficult to identify in 2D conventional mammography, due to the overlapping of different surrounding tissues. The mammography unit is also ready for digital stereotactic biopsy.

Melody III D TS is further distinguished from the digital 2D unit for a number of elements capable of enhancing performances.

An intuitive **touch screen control panel** on both sides of the C-arm maximizes the ease of use, while a **new compression system** automatically sets the proper collimation field in function of the compressor type, hence improving the workflow.

The **acquisition workstation** of Melody III D TS presents all state-of-the-art technical features to fully exploit tomosynthesis and obtain high quality images, which can be sent to the diagnostic workstation for refertation (available in option).

A 2D digital version of Melody III D TS is available, ready to be subsequently upgraded with the tomosynthesis function.



& performances



radiology ahead

Competence in x-ray systems

Villa Sistemi Medicali is one of the most important manufacturers of radiological systems worldwide. Leveraging more than 50 years of experience in X-ray field, the company's know-how covers all technologies which can create a modern radiographic examination room.

A wide range of equipment

Our range of products includes:

- Digital X-Ray systems
- Remote controlled tables
- Classical tilting tables
- General rad rooms
- Mobile units
- Surgical C arms
- Mammography
- Dental units: intra-oral, panoramic and 3D.

Our priority: Technical Service

A wide network of highly skilled service engineers ensures effective and reliable maintenance of all Villa Sistemi Medicali equipment installed worldwide. Preventive maintenance programs and service contracts are defined by our qualified personnel and adapted to the needs of our customers.

Logistic services: a global presence

Villa Sistemi Medicali daily provides full systems, spare parts, accessories and consumables, shipped regularly to all our customers, worldwide, using the most efficient couriers. Shipment modalities include ground, ship, air and inter-modal freight transport.

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