



Lilyum

Smart  
and cost-effective  
solution



METALTRONICA

# ANALOG MAMMOGRAPHY UNIT



Lilyum defines the state of the art in analog mammography. The system can be used to perform accurate diagnoses 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.

## Lilyum

Early detection is the key, especially in the case of breast cancer. Regular mammograms can help find breast cancer at an early stage, detecting micro suspicious calcifications.

Lilyum is suitable for all breast exams including high volume mammography screening programs which are always performed with the most accuracy. The system seamlessly integrates state of the art technology and a modern ergonomic design which emphasizes ease of use and easy access for all maintenance and servicing needs.



## VERY EASY TO USE

### MAIN FEATURES

#### Smart $\mu$ Press compression system

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.

#### ULTRA software

The microprocessor-controlled automatic exposure meter is calibrated with the advanced ULTRA software. Installation is extremely simple and quick.

#### 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.

#### Isocentric C-arm

Lilyum is equipped with an isocentric C-arm which allows all the projections to be carried out without having to move the patient.

The isocentric rotation eliminates the need to adjust the height of the C-arm by changing the projection angle. In this configuration, Lilyum can be used with the Bym 3D three-dimensional biopsy device.

Lilyum can always be upgraded with the Bym 3D three-dimensional biopsy device.



# LILYUM VARIATION AND OPTIONS

Lilyum

## POTTER-BUCKY

There are two different tables (18x24 or 24x30 cm format) with carbon fiber grid, complete of ID labels. Tables are perfectly interchangeable.

## AUTOMATIC COLLIMATOR

Lilyum can be provided with an automatic collimator. In this case the mammography unit is able to detect the table size (18x24 or 24x30 cm) and to automatically select the proper collimation field.

## FULLY MOTORIZED C-ARM

Lilyum is optionally supplied with motorized rotation of C-Arm (pre-selectable and fine adjustment angles).



## BYM 3D

Bym 3D is the most reliable solution for performing three-dimensional biopsies. The device is easily interchangeable with the Potter Bucky and, with suitable adapters, can be used with a wide range of needles, guns and VABs. The motorized rotation of the C-arm on the projections  $\pm 15^\circ$  with respect to the support surface is done using the dedicated buttons.



## GEOMETRIC MAGNIFICATION

A geometric magnification device (1.5x o 2x) can be supplied as an option. Without an anti-diffusion grid, it significantly reduces the dose. Once inserted, a detection system automatically selects the small focus and adjusts the collimation set-up.

## ANTI-X PROTECTIVE BARRIERS

Two stand-alone anti-X protective barriers with different lead equivalence (0.34 or 0.50 mm) are optionally available to obtain the maximum protection against stray radiation.



*All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.*



METALTRONICA S.p.A.  
Pomezia (Roma) - ITALY  
Via delle Monachelle, 66  
ph: +39 06 66 160 206  
[info@metaltronica.com](mailto:info@metaltronica.com)