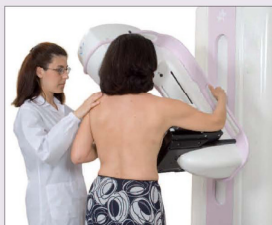


Low operating cost



µPress COMPRESSION SYSTEM

- ▶ Motor-driven adjustable pressure and manual compression with safety release
- ▶ Value of the actual exerted pressure on the breast shown on two displays
- ▶ Progressively reducing paddle speed once in contact with the breast
- ▶ Smooth compression paddles design for higher patient comfort

ULTRA SOFTWARE

Really innovative is the MO-50AR's intelligent and microprocessor controlled automatic exposure device enhanced by the ULTRA software. This standard feature makes the mammography system's calibration incredibly rapid and simple (CR included). O.D. linearity exceeds QA protocols. Film and CR operations are also guaranteed by means of special AEC characteristics.

DOUBLE DISPLAY

A LCD graphic display shows exposure parameters, alarm messages and many other data like the Average Glandular Dose (AGD) calculated after each exposure and the HU level of tube assembly. An auxiliary display placed frontally on the bottom of the unit shows the C-Arm angle rotation, the effectively applied compression force and the compressed breast thickness.

TUBES AND FILTERS

The MO-50AR in standard version is supplied with a X-Ray tube with Molybdenum anode and Molybdenum filter. Different X-Ray tubes can be chosen:

- ▶ with biangular anode (10°/16°)
- ▶ high speed tube (9.000 rpm)
- ▶ with bimetallic anode (Mo/W)

As option is available a Rhodium filter automatically interchangeable with the standard Molybdenum filter to obtain a superior penetration of dense breast tissue.

MO-50AR

Health is the primary duty of life



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High performance

MO-50AR is the state-of-the-art in analogue breast imaging providing the best patient care at the most efficient cost. It is a completely independent mammography unit allowing clinicians to obtain high quality images while expediting patient throughput.

It is suitable both for all the in depth studies of the breast as well as for "screening" programs carried out always with utmost accuracy.

Excellent imaging technology combined with a modern, ergonomic and winning design improves efficiency and elevates the standard of care.



A wide range of accessories



TABLES

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

COLLIMATION PLATES

For each table size or for magnification technique are available appropriate magnetic collimation plates. The shape of collimation plate is studied to avoid wrong insertion.

AUTOMATIC COLLIMATOR

MO-50AR 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 select automatically the proper collimation field.



MAGNIFICATION SUPPORT

A device for geometric magnification (1.5x or 2x factor) complete of cassette holder and without anti-scatter grid is optionally available.

In order to reduce dose a carbon fiber free structure has been designed with automatically selected small focus once fitted.

ANTI-X PROTECTIVE BARRIERS

To obtain the maximum protection against stray radiation are optionally available two different kinds of stand-alone anti-X protective barriers. X-ray attenuation exceeds the IEC 60601-2-45 specifications.

MO-50AR BYM

The MO-50AR in BYM version is fitted with an isocentric C-Arm that allows all breast projections without moving the patient and without adjusting height of the C-Arm. The isocentric rotation eliminates the C-Arm height adjustment when doing Cranio-Caudal and lateral projections.

In this configuration the MO-50AR is upgradeable with stereotactic biopsy device BYM 3D.

BYM 3D

The BYM 3D device represents a reliable add-on solution for performing stereotactic biopsies supporting film-screen or digital cassette. An easy and quick move upgrades the MO-50AR BYM to stereotactic mode providing a comfortable working space between the tube head and the biopsy device. The motorized $\pm 15^\circ$ rotation of the MO-50AR BYM C-Arm assures accurate tube shift activated by means of dedicated pushbuttons. Lesions can be reached also in difficult positions with great precision in targeting, placing the C-Arm at the most appropriate inclination/height.

