DIGITAL SCREENING MAMMOGRAPHY SYSTEM

MAMMO-RPd

AMICO
x-ray technologies

OPTIMAL SCREENING MACHINE — HIGH IMAGE QUALITY

Mammo-RPd, a state-of-the-art digital scanning mammography system. A unique device developed to meet the requirements of patients, physicians, and laboratory assistants, ensuring reduced effective doses and high quality of images.

The small pixel size of the digital detector (less than 50 μm) and high spatial resolution **(not less than 10 line pairs/mm),** as well as decreased effective doses, render this machine suitable for both screening and diagnostic examinations.

The unique combination of high-quality imaging (10 line pairs/mm) and low radiation doses provide a basis for quality screening to detect early stages of breast cancer

RADIOLOGIST AND TECHNICIAN WORKSTATIONS

The software allows performing breast imaging studies in accordance with the WHO-approved protocol.

Two medical high-resolution monochrome monitors (not less than 20 inches, 5 megapixels) provide the physician with comfortable conditions for accurate diagnosis.

A medical printer can print images on film, retaining high image quality.

The remote control unit available at the technician workstation is a full-function computer with modern DICOM compatible software. The operator is able to enter patient data, adjust image settings, expose, control imaging quality, and perform digital processing, image storage and transmission.

Integration into the computer network of the health center is also possible.

X-ray protective movable transparent screen

STATE-OF-THE-ART TECHNOLOGIES TO REDUCE RADIATION DOSE FOR PATIENTS

The system employs the fan-shaped X-ray beam scanning technology, which allows significant reduction of scattered radiation. This technology makes the use of an anti-scatter grid unnecessary, thus reducing the effective dose by more than 50 % compared with conventional mammography machines while retaining image quality, which is a key factor for screening mammography.

This achievement has been due to the use of state-of-the-art technologies when developing a detecting device that has both high detective quantum efficiency (DQE) and extremely low electronic noise.

The effective equipment and the dedicated digital mammography software help produce images of superior quality. Image analysis and image processing are fully focused on diagnostic purposes and guarantee optimal visualization and detection of micro calcifications and lesions.

ERGONOMIC DESIGN

Any angle of stand rotation, automatic C-arm locking in the standard positions, and height compensation during rotation

Emergency Stop button

Compression control with a set of pedals

Set of various sized compression plates, including plates for target imaging

Specially designed handles are convenient for the patient and facilitate patient positioning

Movement control from two control panels located on the sides of the machine

THE MOBILE DIGITAL MAMMOGRAPHY CABINET BRINGS SCREENING TO RESIDENTS OF HARD-TO-REACH AREAS

Breast cancer is largely detected nowadays. Early diagnosis decreases mortality, as breast cancer is the curable type of malignancy.

Screening examinations are now becoming available for residents of hard-to-reach and underequipped regions.

The mobile mammography cabinet provides a unique opportunity to perform examination using the state-of-the-art Mammo-RPd digital mammography system.

3D tour

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* The manufacturer reserves the right to make changes in complete, technical parameters and design of the equipment.

CE 0483

Certified Quality System mdc ISO 13485

MAY-2019