ADVANCED SCANNING TECHNIQUES REDUCES PATIENT DOSE

MAMMOSCAN uses its patented slot-scan technology, which efficiently rejects the scattered radiation with the result of reduced radiation and improved resolution. The narrow fan-shaped x-ray beam is captured by a digital x-ray detector which produces a digital image of the breast. The x-ray tube, collimator and detector are synchronized. The beam is always focused on the digital x-ray detector surface during the exposure process. Thanks to the narrow x-ray beam, we do not need to use an anti-scatter grid and we may reduce the dose of radiation to the patient.

THE NEW LEVEL OF CONFIDENCE IN BREAST CANCER DETECTION AND DIAGNOSIS

• MAMMOSCAN is a digital scanning technology development has a very special place in ADANI’s Medical X-ray product line.
• Its award-winning design provides greater comfort to patients and high-definition imaging of all breast types. The system’s low dose examination, and easy to use workstation, make it easier for technologists to perform exams accurately and quickly, resulting in more expedient and confident diagnoses for clinicians.
• The robust, yet flexible design of the MAMMOSCAN unit, makes it available as a fixed solution or as part of a flexible mobile solution and may also be supplied with a biopsy option.

DETECTOR DESIGN RESULTS IN LESS ENVIRONMENTAL SENSITIVITY

The detector developed for the MAMMOSCAN system has the superior advantage of not being sensitive to varying temperatures. The system may be installed in locations that are not under permanent temperature control. The users have greater flexibility in the facilities where the systems are installed.

Our scanning technique uses a thin beam to reduce radiation.

HIGH DEFINITION IMAGING ENSURES ACCURATE BREAST CANCER DETECTION

With a 27 micron diagnostic resolution, MAMMOSCAN provides better resolution of the breast, thus ensuring more accurate detectability of tumors and microcalcifications. Spatial resolution of the 20 line pair per millimeter offers significant add-on value to the diagnostic process compared to other available digital mammography scans.

AUTOMATED EXAMINATION PROCESS INCREASES THE WORKFLOW

The motorized movements with isocentric rotation, combined with customizable presets of the screening and diagnostic workflow significantly reduce examination time. The positioning control panels which are designed to be accessible from all sides of the system, including the top, increases the flexibility for lateral positioning. The automatic decompression feature releases the patients breast compression for additional comfort.

Example of standard definition image

Example of high definition image with the MAMMOSCAN