DIGITAL MAMMOGRAPHY

A NEW GENERATION OF CALCIFIED MASS RECOGNITION MICROSCOPE

CARE WOMEN HEALTH WITH CONFIDENCE



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LARGE FLAT PANEL DETECTOR, HIGH PIXEL, HIGH-DEFINITION IMAGING



LARGE FLAT PANEL DETECTOR, COMPLETE COVERAGE OF MAMMARY GLAND, LYMPH AND ARMPIT

The new generation Digital mammography is equipped with a large size (24cm x 30cm) full-field digital flat panel mammo detector, which has excellent linear response and wide dynamic range, effectively optimizing and reducing dose radiation, and can meet the radiation requirements of various breast sizes, and can completely display the whole mammary gland, armpit and lymph node.



HIGH RESOLUTION, MILLIMETER - LEVEL INSIGHT INTO TINY CALCIFICATION

Up to 12M ultra high resolution pixels, can clearly identify the millimeter level of micro calcification lesions



HIGH PERFORMANCE BALL TUBE FOR MAMMARY GLAND USE , HIGH QUALITY X-RAY OUTPUT

Equipped with high performance X-ray tube for mammary gland use, it provides X-ray photons for mammogram, which can effectively present the different components and density comparison of fat and gland tissue in mammogram, so as to ensure high-quality images.





WITH THE POINT PRESSURE FUNCTION, THE DETECTION RATE OF MICRO CALCIFICATION AND MASS IS 70% HIGHER THAN THAT OF CONVENTIONAL EXAMINATION

The new system is equipped with the function of point pressure mammography. Point pressure mammography can put pressure on the small area of interest, expand the surrounding normal tissue essence, and better display the outline of the mass to its inherent shape; So as to effectively improve the diagnostic accuracy of mammography for equal density masses and reduce the detection dose. The clinical experiment confirmed that the examination rate of micro calcification and mass by point pressure mammography was 70% higher than that by routine mammography.

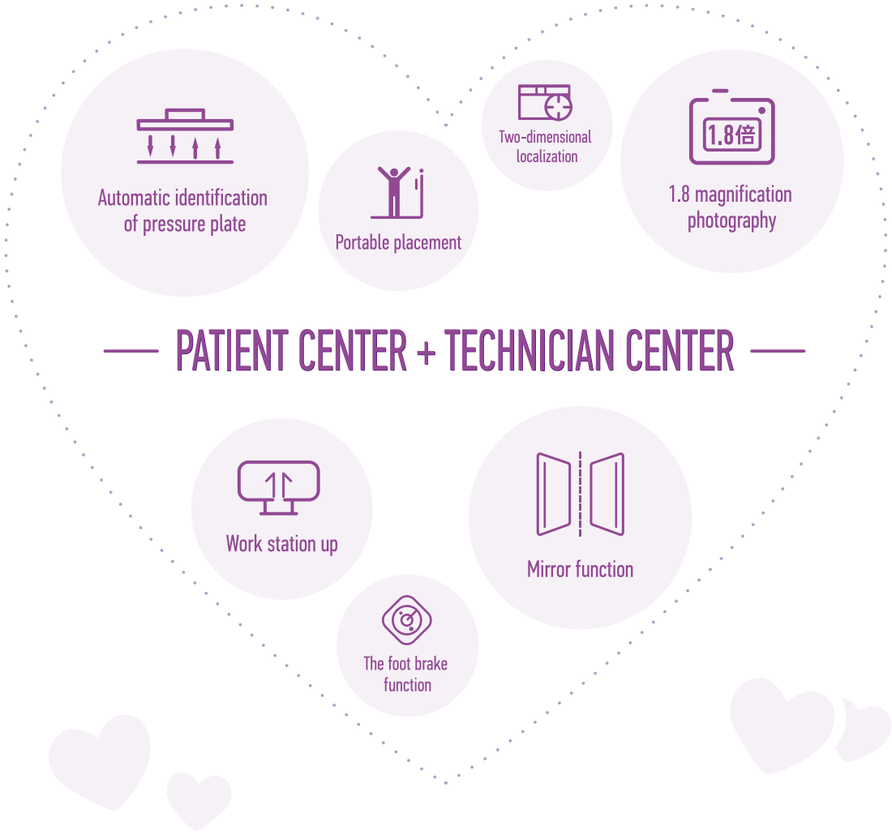
24cm×30cm
Full view

Ultra high definition pixel
More than 12 million

Mass examination rate
increased by 70%

PATIENT CARE DESIGN

The new generation of digital mammography combines patient-centered design with radiologist-centered convenient design, so that mammography examination is more efficient and convenient, while reducing the pain experience of the patient and giving more care.



PATIENT-CENTERED DESIGN



MEETING THE EXAMINATION REQUIREMENT OF WHEELCHAIR PATIENTS

Large range of motion can meet the examination requirements of different patients, and support mammography examinations of wheelchair patients.

PRECISE CONTROL FUNCTION OF COMPRESSOR FORCE

The new generation of digital mammography supports the precise control of the pressure device, which can effectively control the pressure while reducing the sense of pain, and achieve the best examination condition at the same time.

EMERGENCY RELEASE FUNCTION

Emergency release device, when emergency release is needed under special circumstances, just press the "release button" on the upper front. Even in the case of equipment failure or power failure, this device still works, in safe status.

INTELLIGENT FLEXIBLE COMPRESSION

- The compression plate made of transparent material can make the mammogram image get better spatial resolution, and make the mammary gland closer to the image receiver, so as to effectively improve the quality of digital mammary gland image.
- The compression system adopts flexible compression technology, and the pressure is buffered after the pressure plate contacts the skin of the patient, which is automatically released after exposure to ensure the comfortable examination process of the patient.
- It comes standard with a variety of compression plates, which can meet both conventional mammography requirement sand special mammography such as point pressure, zoom, and point pressure zoom mammography and other functions.



CONVENIENT DESIGN CENTERED ON TECHNICIAN



CONVENIENT POSITIONING FUNCTION

During MLO positioning, the tube and the image detection surface can not be in the same position, which is convenient for the doctor to stand and position because in the traditional positioning, the doctor must bend down deeply. The convenient positioning can make the doctor operate in a more comfortable way of natural standing, effectively improve the quality of the positioning movement, so as to improve the patient's examination experience and mammogram quality.



COMPRESSION PLATE AUTOMATIC RECOGNITION FUNCTION

The new generation of digital mammography supports automatic identification of pressure plate to avoid invalid operation by doctors and improve efficiency



TWO DIMENSIONAL POSITIONING FUNCTION TO ACCURATELY LOCATE CALCIFICATION

The new generation of digital mammography can be equipped with two-dimensional positioning device, which can assist in the accurate positioning of lesions and prepare for further treatment.



MIRROR FUNCTION/POSITION MEMORY FUNCTION

If the doctor customizes the exam angle of the MLO position, after examination on one side, the other side can be positioned with one button through the positioning memory function, without manual operation, which improves the positioning efficiency.



DOUBLE SCREEN DISPLAY

With double screen display, the images of the area of interest are displayed on both screen at the same time, which is convenient for symmetrical interpreting and interpreting efficiency.

FOOT SWITCH EXPOSURE FUNCTION (OPTIONAL)

This system supports foot switch exposure function. In order to prevent cross-infection, it is more convenient to use foot switch exposure after positioning when meet nipple discharge patients.

ISOCENTER AND ONE-CLICK FUNCTION DESIGN

The new generation of digital mammography adopts the isocenter design. A patient is only required to adjust the height once, and adjusted to different positions through isocenter movement, which saves a lot of setup time. Support one-key in-position function. Symmetrical body position and next position can be completed with one key, which greatly improves the doctor's workflow.

SUPPORTING INDEPENDENT MULTI-ANGLE MOVEMENT OF X-RAY TUBE

The tube can be rotated between -60°~ +60°.
The doctor can control the combined movement of the X-ray tube and the imaging plane through the convenient positioning mode to achieve the best positioning position and effectively improve the work efficiency of the radiologist.

PROFESSIONAL OPERATING CONTROL TABLE

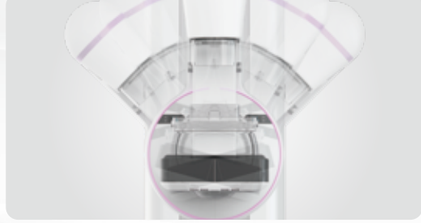
The control table can be adjusted according to the radiologist's height with four levels, improving workflow.

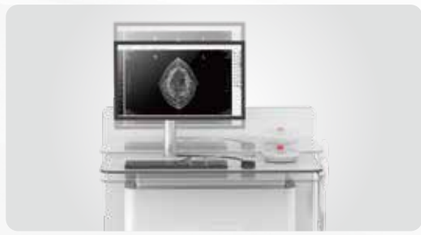
MAMMARY GLAND PROSTHESIS MAMMOGRAPHY MODE

Standard mode with the function of implant mammography, implant includes: water, saline, unknown, silicone, so that the implant breast mammography is more accurate and efficient.











HIGH-QUALITY DOSE MANAGEMENT SOLUTIONS



INTELLIGENT ELECTRIC COLLIMATOR

The structure design of the intelligent electric collimator with independent intellectual property rights is adopted, which greatly improves the conversion efficiency of X-rays and makes the dose lower.

IINTELLIGENT LIGHT FIELD ADJUSTMENT AND ACCURATE WINDOW ADJUSTMENT

According to different mammography needs, intelligent light field adjustment can realize accurate window adjustment and reduce unnecessary dose exposure.

AEC INTELLIGENT EXPOSURE CONTROL, EFFECTIVELY REDUCE THE DOSE

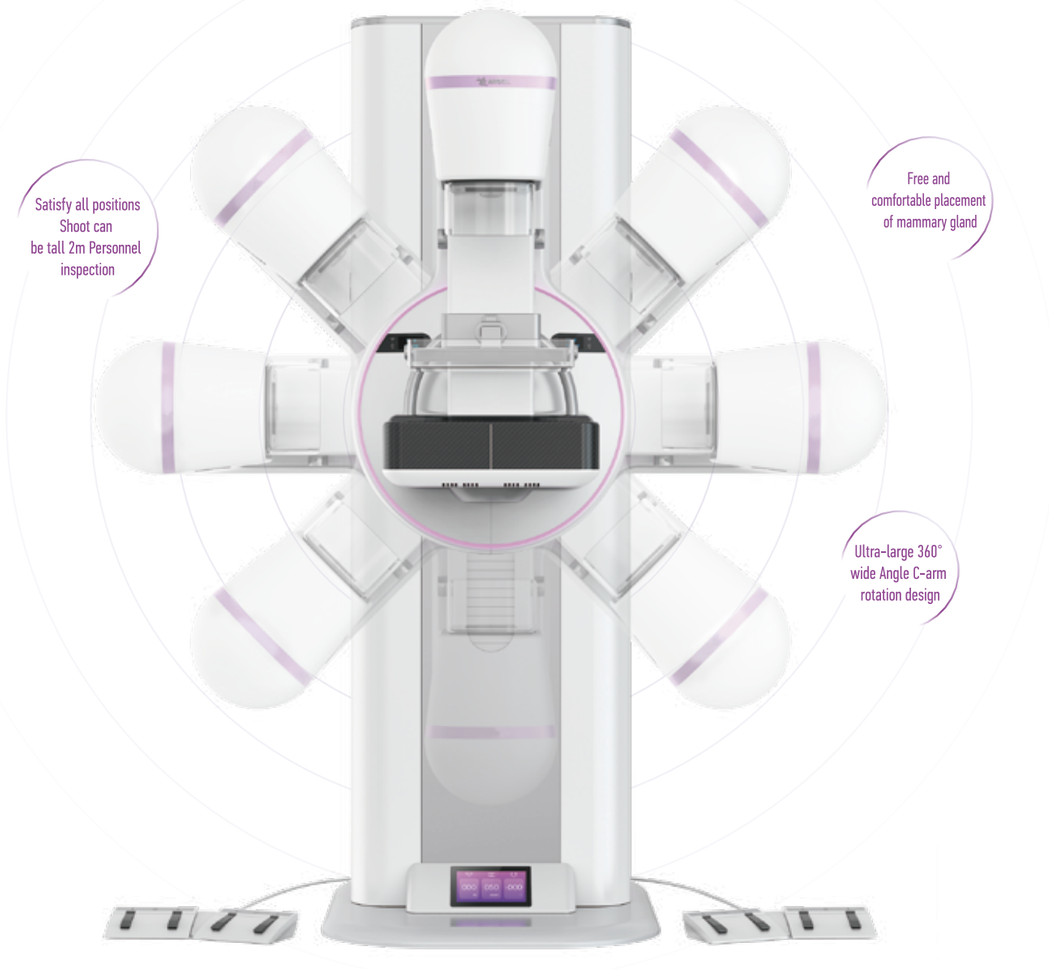
The new generation of digital mammography adopts the patented AEC automatic exposure control system, which can automatically adjust the exposure parameters according to the thickness and density of the glands to ensure excellent image quality.

WU TUBE IS OPTIONAL

The X-ray has strong penetrating ability, excellent image and low dose.

MORE COMFORTABLE C-ARM MOVEMENT ANGLE POSITIONING DESIGN

- The new generation of digital mammography can achieve 360°wide angle C-arm rotation, with a wide range of C-arm up and down movement, which can meet the requirements of various complex body positions and different body types, such as wheelchair position examination, examination of extremely tall patient, etc.
- Support free and comfortable placement photography of all mammary glands. The new generation of supports free and comfortable placement photography of all mammary gland positions, It supports all position mammography without obstacle.



INDEPENDENT MAMMARY IMAGING SYSTEM

INTELLIGENT POSITIONING GRAPHIC GRAPHIC
Workstation integrated positioning graphic Provide guidance for clinical positioning, efficient and convenient.

COMPRESSION PLATE AUTOMATIC IDENTIFICATION FUNCTION
It supports automatic identification of compression plate, avoids invalid operation by radiologist and improves workflow.

DICOM AUTOMATICALLY TRANSFER
Images can be automatically transferred by DICOM and support Multi-PACS or multi-station transfer.

AEC AUTOMATIC EXPOSURE CONTROL
Automatically adjust exposure parameters according to gland thickness and density to ensure excellent image quality.

MAMMARY GLAND IMPLANT MAMMOGRAPHY MODE
Standard mode with the function of implant mammography, implant includes: water, saline, unknown, silicone, so that the implant breast mammography is more accurate and efficient.

NTELLIGENT INTERPRETING OPERATION FLOW
interpreting sequence can be manually adjusted according to requirements, and it has automatic cutting, automatic alignment, local window adjustment and local zoom functions to improve the experience.



CLINICAL IMAGES



