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The First Digital Mammo in China

® CFM C€0123®

Navigator Series
Mammography

Sino Medical-Device Technology Co., Ltd.
Build Quality, Build Reliability

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CARE YOUR CONCERN

Sino Medical-Device Technology Co., Ltd (SINOMDT) is a National high-tech company leading in mammography sector, and 6 invention patents has been authorized for the mammo products. SINOMDT has developed the first digital Mammography in China, and received the CFDA in year 2011, this product was awarded as the "National Key New Product" by the Ministry of Science and Technology in China.

Based on the powerful R&D capability on mammography sector, SINOMDT has been supported by the government as the digital mammography development and manufacture base in China, and SINOMDT has undertaked several national-level development projects on digital mammography products.

SINOMDT input more than 15% revenues and 30% staff in R&D each year, has strong R&D and innovation capabilities in the medical devices industry. SINOMDT has passed ISO13485 and IS090001. Its products cover X ray imaging of breast, Upto now, SINOMDT's products have been distributed to more than 70 countries and areas over the world and gained their trust globally.

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Navigator Series Mammography

With the elegant stand-alone design, the Navigator series mammography has elegant and smart outside view, and very easy to installation and operate, Offer flexible multi choice from the film-screen model to the full field digital mammography (FFDM), provide the best solution for the screening and diagnosis of women's breast diseases.



Navigator DR Mammography (Amorphous selenium flat-panel detector, full field digital model, high-end digital model) The first digital mammography in China

The First Digital Mammo in China

Navigator DR Plus Mammography (Amorphous selenium (a-Se) large size flat-panel detector, Mo/W target, the high-end full field digital



Navigator DR Care Mammography (Amorphous silicon (a-Si) large size flat-panel detector, Mo/W target, the full field digital model) The first digital mammography in China



Navigator Platinum Mammography (Film-screen model, adaptive IP board upgraded to CR model, and the rack is compatible with the digital model)

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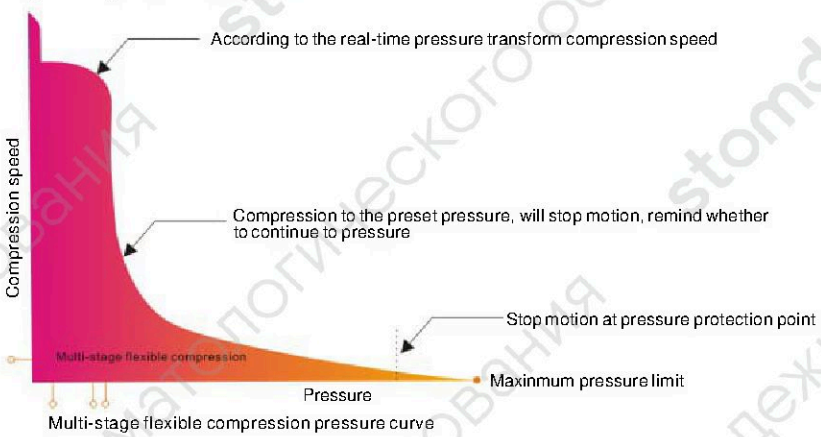
Prominent “Iso-center rotation” technology (Invention patent) Reduce waiting time

- “Iso-center rotation” invention patent technology, rotation by the center of patient's breast automatically, take pictures from different angle without position relocation, reduce waiting time and improve patient’s experience greatly.

User-friendly design Easy to use and safe



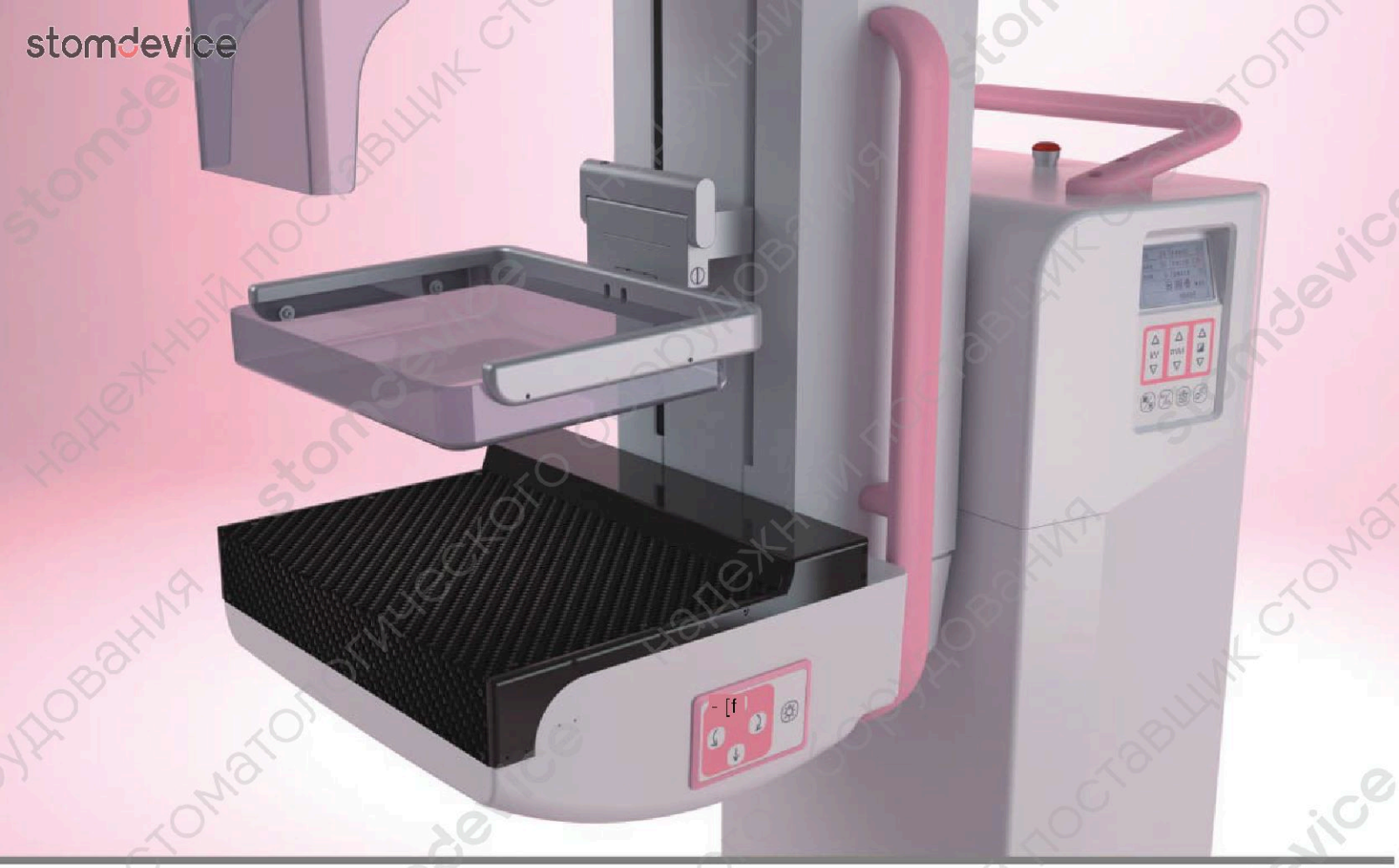
- Comfortable round curve designed compression paddle, the paddle released automatically after exposure, and could be released manually at any time, multi-level intelligent breast compression technology, minimize patient's suffering during examination.



- Electric control for all of movements, 6 operational panels in both side, LCD display the thickness/pressure/angle

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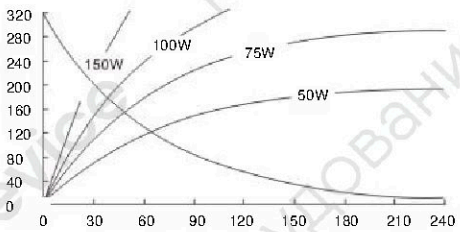
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Excellent Imaging Link Control Low radiation

B Using international high quality key components, combined with the advanced design casting out the best image quality with low radiation

B The international first-class quality X-ray tube, dual focus



Tube heating and cooling curve

B Full automatic exposure technology (Invention patent): full automatic/ manual exposure modes optional, with filter switch automatically and light-field adjustment techniques, to achieve the balance of the shortest exposure time and the best imaging effect, ensure the Image quality while minimizing radiation.

B Light-field adjustment techniques: reduced projection area on the premise of meet the X-ray imaging, to improve image clarity

•1a This feature is applicable for all of the Navigator series product

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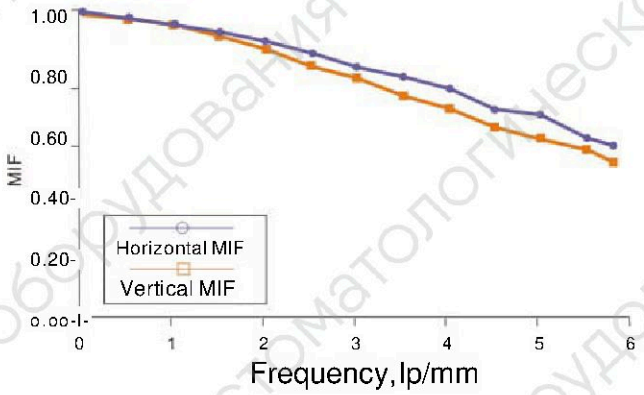
The high-end directive imaging digital model

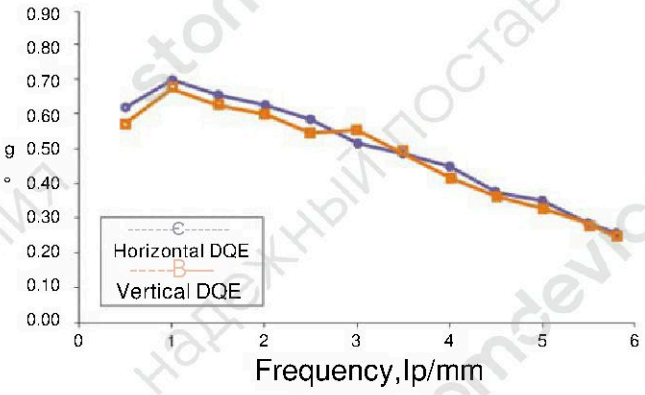
Navigator DR Mammography (18*24cm a-Se detector)
Navigator DR Plus (24*30cm a-Se detector)

B Adopt the amorphous selenium direct digital flat panel detector, it is the high-end digital model of Navigator series product, elegant design, easy to use and safe, easily satisfy the rush shooting task for health examination institutions

World top class full-field flat-panel detector High quality image

Adopting the most advanced amorphous Selenium (a-Se) full-field flat-panel detector, the X-ray directly converted into electrical signals, ghost-free and reliable performance with high MTF and high spatial resolution to obtain the best image quality and truly meet the high requirement for details. Combined with high DQE, reduce the radiation dose.





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Powerful acquisition / diagnosis workstation
High efficient and user-friendly

- User friendly GUI (Graphic user interface), support various exposure mode
- User-friendly interface, simple and easy to operate.
- Fast transmission speed, comply with DICOM 3.0 protocol, can achieve the seamless link with HIS, RIS, and PACS systems
- Powerful tools for patient management, data gathering and image reconstruction, viewing and measuring, typesetting, printing, storage, provides rich aides for diagnosis

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Super environmental adaptability, high performance digital model



Navigator DR Care (24*30cm a-Si detector)

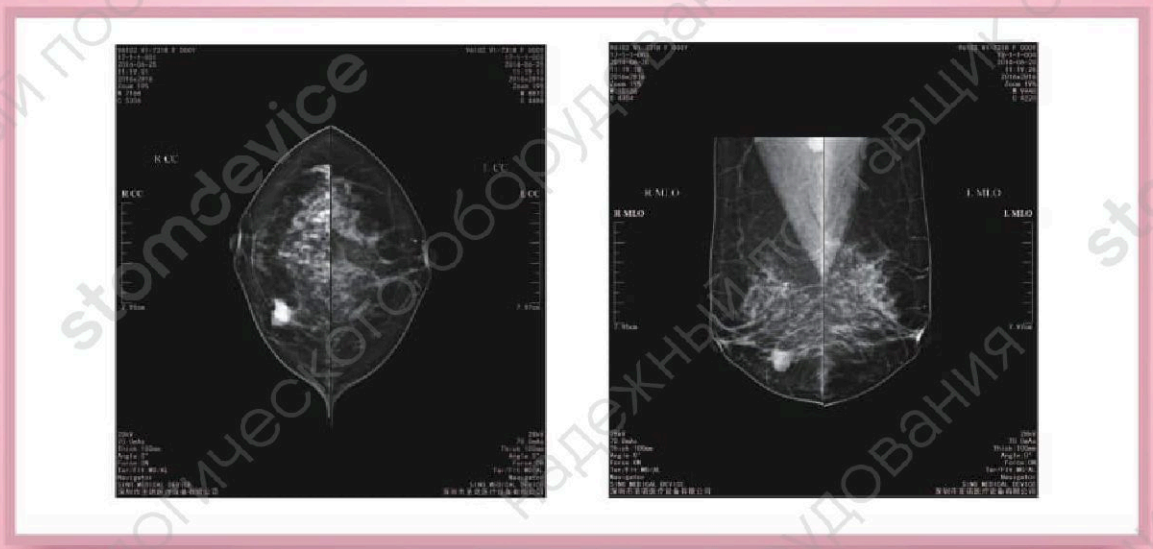
B This model is a full field digital mammography using breast dedicated a-Si detector, with elegant appearance, has superior environmental adaptability, suitable both for indoor and vehicle use environment with high imaging performance.



Small size, smart design, easy to installation for indoor and vehicle

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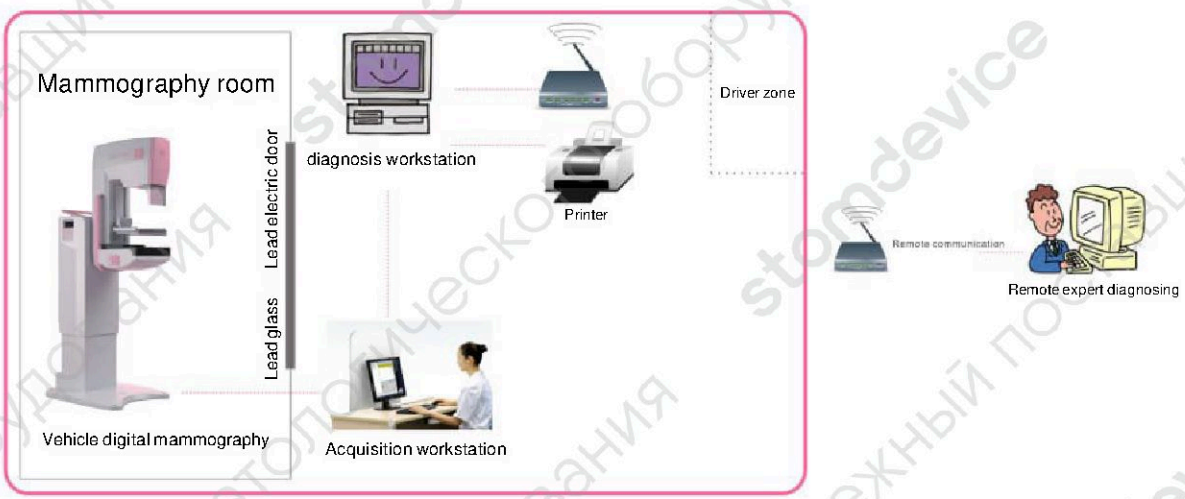


High image resolution

H Using high spatial resolution detectors, pixel size: 85 * 85 urn

B Powerful capability of image processing, support DICOM 3.0 protocol, can achieve the seamless link with HIS, RIS, and PACS systems

Vehicle Application Diagram



Wide environmental adaptability, meets the demand of vehicle application environment.

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Smooth upgradable economic film-screen model

Navigator Platinum

- This model is a well-designed film-screen mammography, and has the features that Navigator series product owned, such as elegant stand-alone design, easy to use and safe.
- This machine frame is compatible with digital model, support upgrade directly into digital model

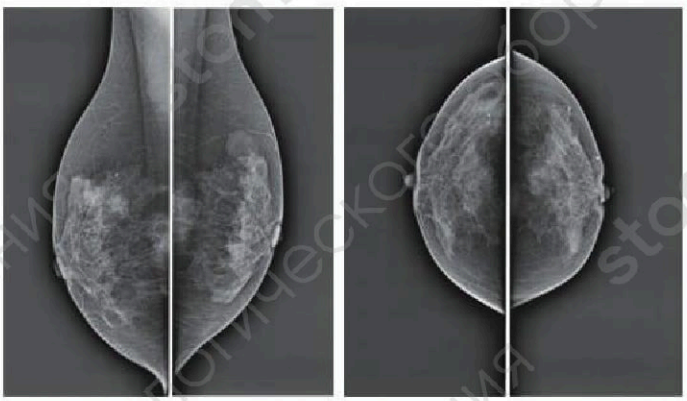


Image taken by IP board

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Series configuration table



Provide multi-selection for the tubes, The non-dense breast and small lesions recommended selection of molybdenum target (Mo), dense and thick breast recommended choice of Tungsten (W) target, in orderto obtain the best breast image, guarantee the quality of diagnosis.



Provide abundant selection for the users

Model	Detector	Size	Tube
Navigator DR Mammography	a-Se	18*24 cm	Mo
Navigator DR Plus	a-Se	24*30 cm	Mo/W
Navigator DR Care	a-Si	24*30 cm	Mo/W



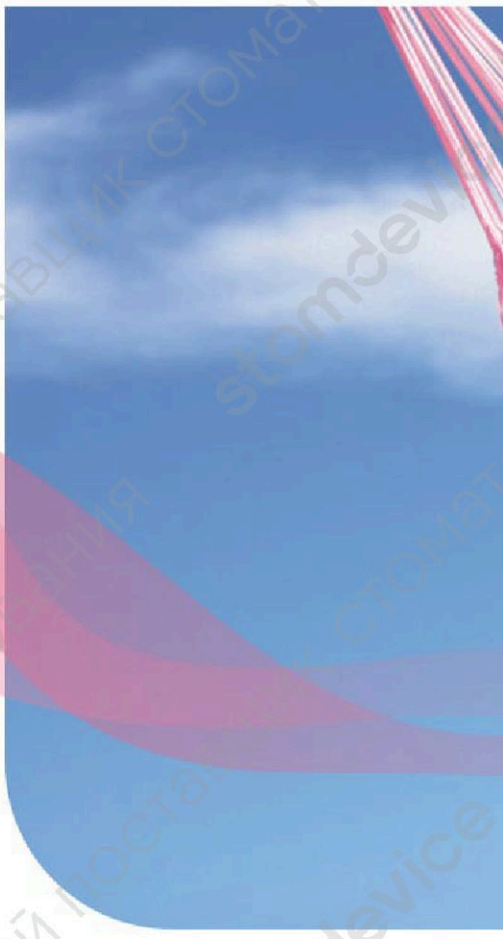
Grid (Optional)
Can further filter stray radiation, improve image clarity



Generator
The high frequency high voltage inverter output low ripple coefficient, ensure the output of X ray is more stable, to shoot the shorter exposure time of X ray film in any case, the image more clearly.

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