



Beyond Boundaries in Healthcare:
Pioneering the future with Medical Imaging

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* The actual product shall prevail. All pictures in this manual are for reference only. *

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Quantum CT T752

64-Row 128-Slice CT

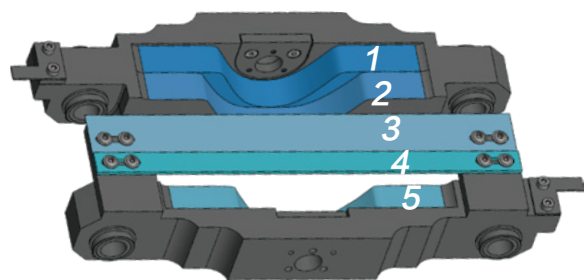


寬騰 KUANTENG

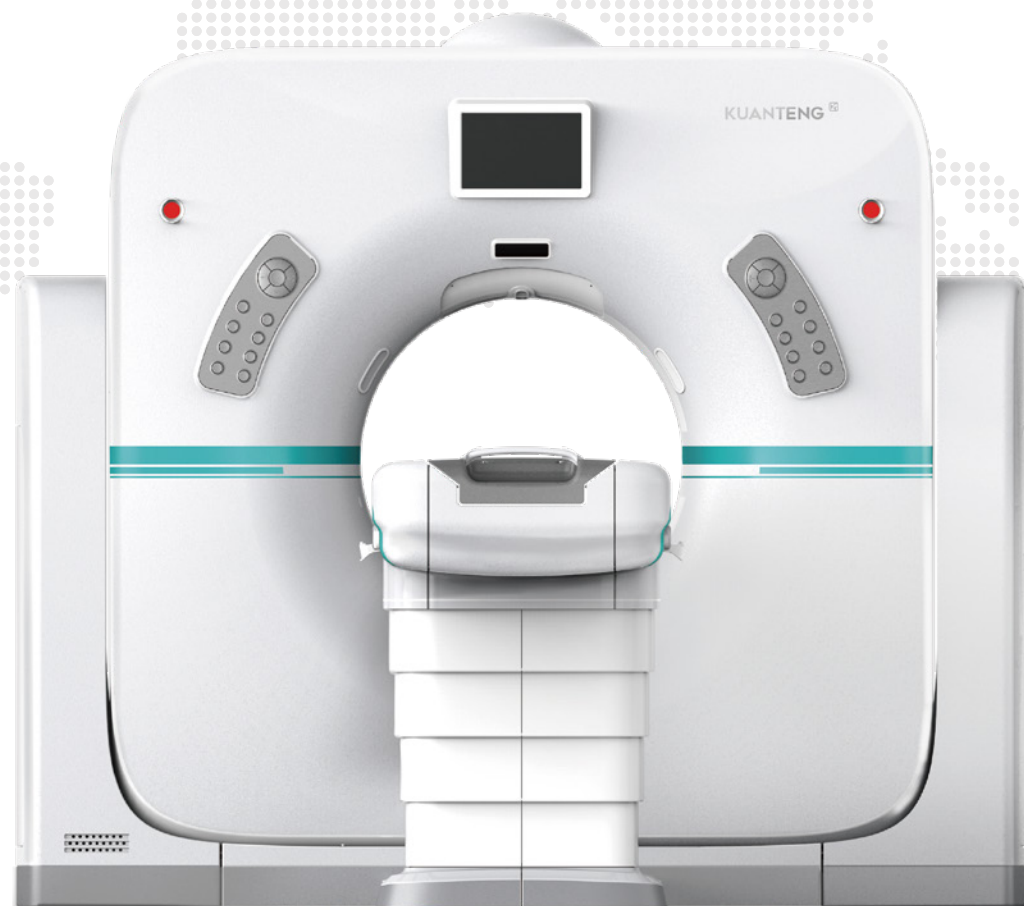
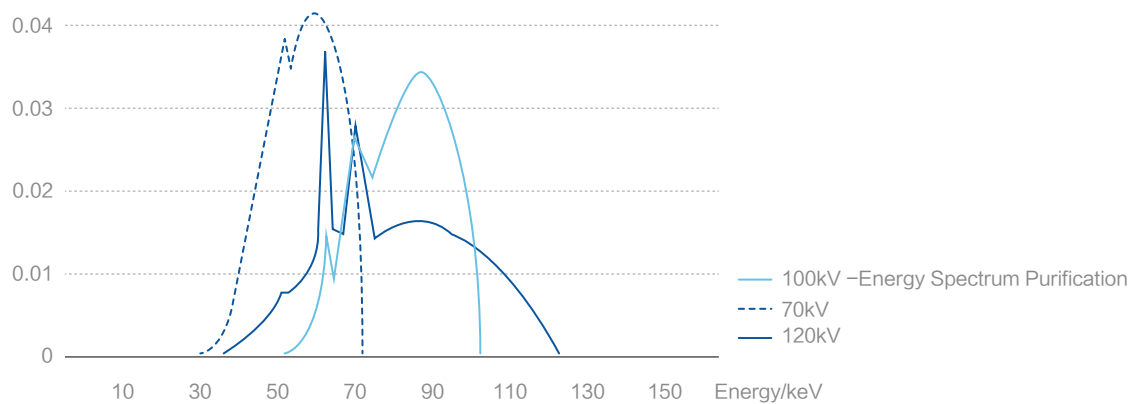
1+1 Dual-phase Low Dose Scan

Diversified Energy Spectrum Purification Filter Device

The latest energy spectrum purification X-ray filter device is designed with five filters adapting to different body shapes. The rare metal materials specially for children and thin body shape fundamentally eliminates the low energy X-rays.



- high contrast scanning sequence (e.g., lung cancer screening) and ensure the excellent image quality
- Reduce the beam hardening effect, improve the uniformity of the soft tissue and the image quality of the juncture between soft tissue and bone, effectively reduce the bone artifact, and fundamentally improve the image resolution
- Significantly reduce the radiation dose (to micro-radiation scanning image)



LOW DOSE

LDNR Iterative Noise Reduction Technology

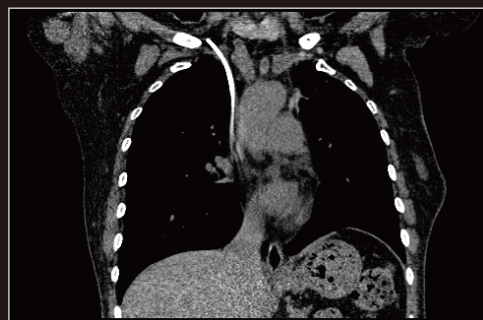
The product with LDNR iterative technology of Kuantum highest CT platform. Under the low dose scanning parameters, increase the contrast resolution, improve the SNR (Signal Noise Ratio) and CNR (Contrast Noise Ratio) and improve the diagnosis accuracy while ensuring the spatial resolution

Wide Range of LDNR Application Scenarios

Low dose scanning (the dose can be reduced by 40%–80% in systemic application)

Infant scanning (minimize the dose under the premise of ensuring the image quality to meet the clinical diagnosis)

Scanning of patient with large body weight and thin-slice image can improve the image quality



70kV Low Dose Image

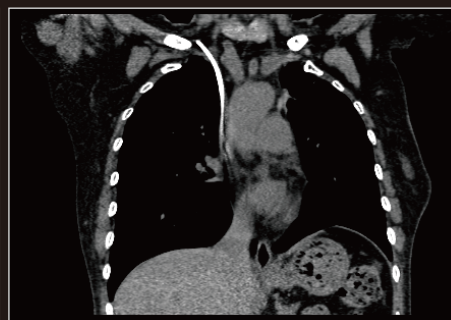
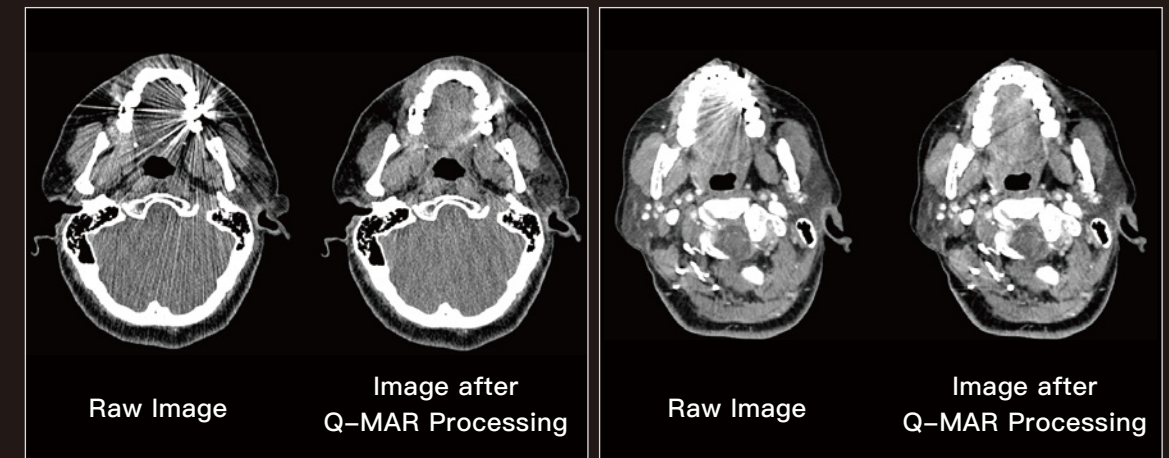


Image after LDNR Noise Reduction

Q-MAR

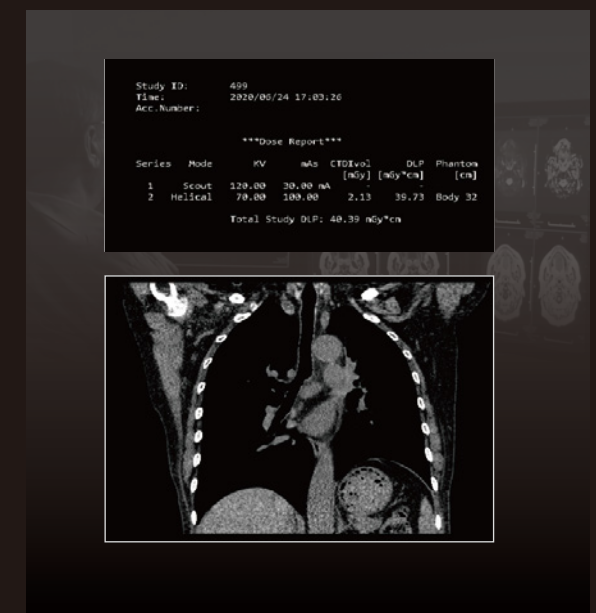
The algorithm independently created by Kuantum Medical can more effectively remove the impact of the metal artifact so as to provide clear image and improve the effectiveness of the diagnosis.



70kV Low Dose Green Image

The 70kV low dose examination is the lowest tube voltage of the routine clinical application in current CT imaging field.

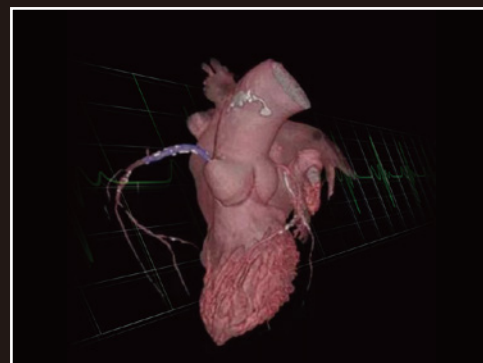
1. Low dose early lung cancer screening of high-risk population
2. Infant special scanning protocol



Whole Body High Definition Imaging Solutions

Enhancement Scanning Imaging

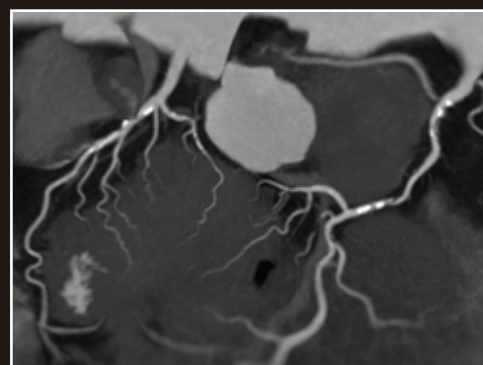
The whole body vascular enhancement scanning solutions and intelligent coronary system imaging technology define the integrated “three excellent standards”.



Time

Instant Snapshot Freeze Single Shot Imaging

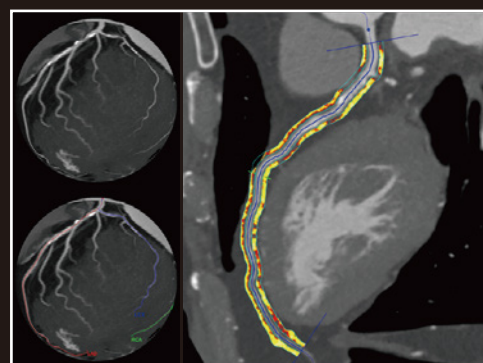
The adaptive multi-segment acquisition improves the time resolution of the coronary scanning, accurately freezes the coronary image information and acquires images instantly.



Space

3D Integrated Acquisition, Display Fine Structure Accurately

The 3D beam projection and up to 21lp/cm spatial resolution fundamentally improve the ability of detail “diagnosis”.



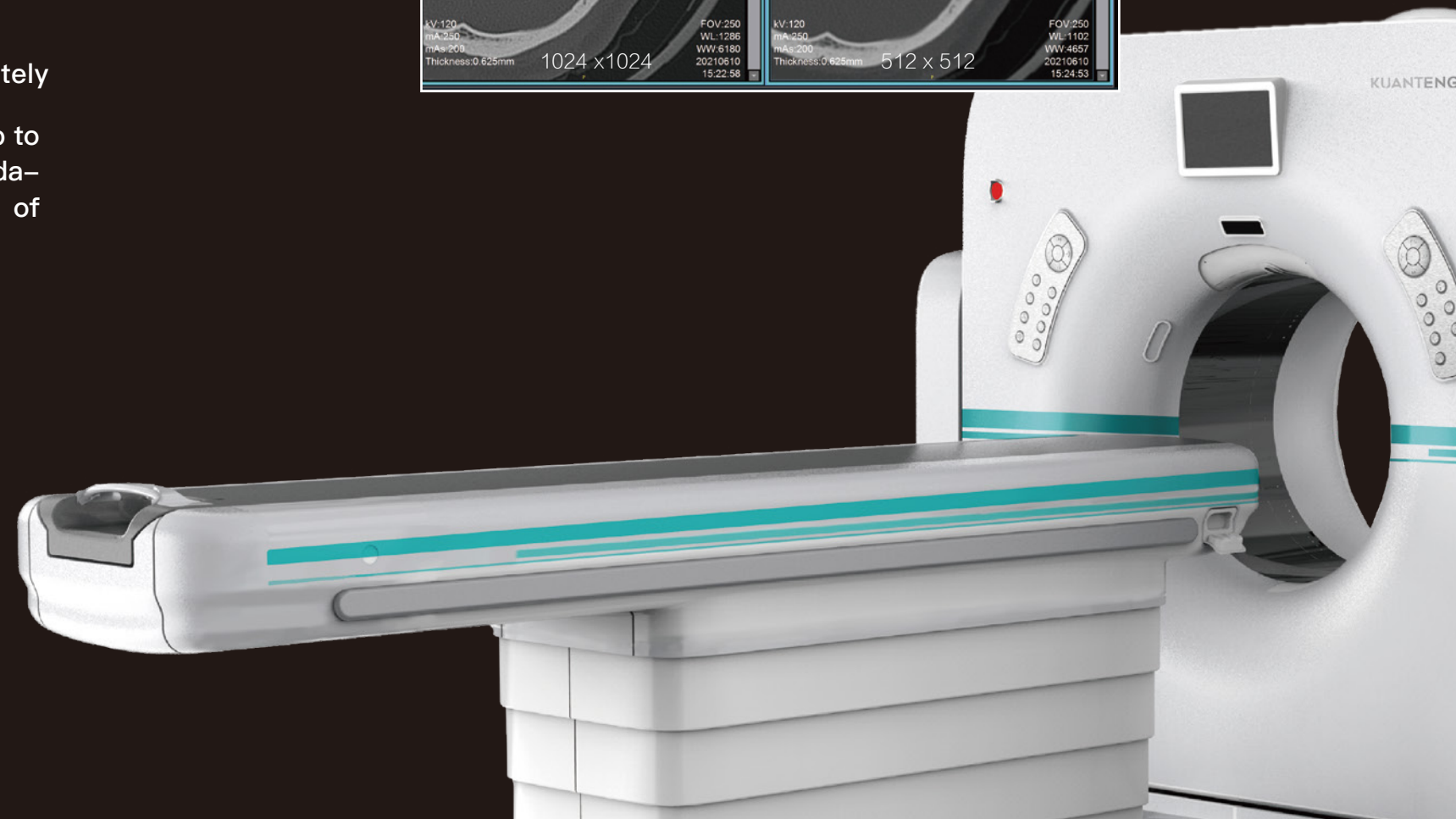
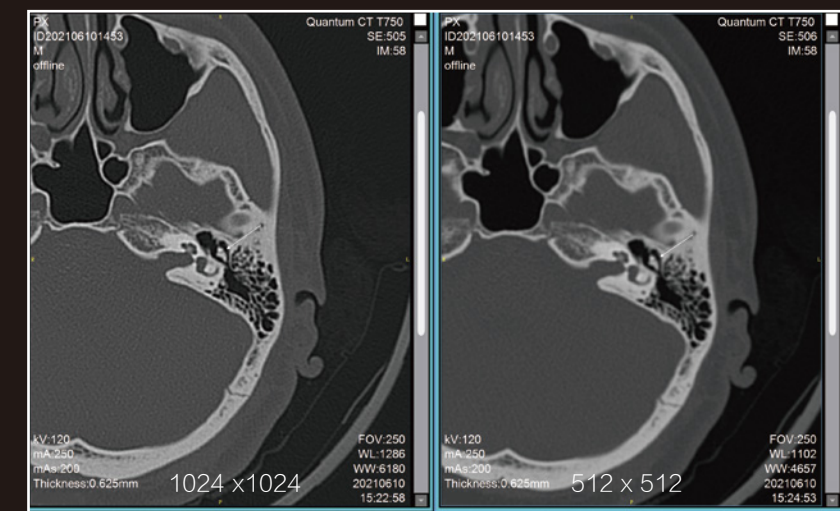
Density

The high density resolution and the high spatial resolution of Sun Ce Quantum CT T752 make the coronary system diagnosis accurate and realize the true clinical value of coronary CTA.

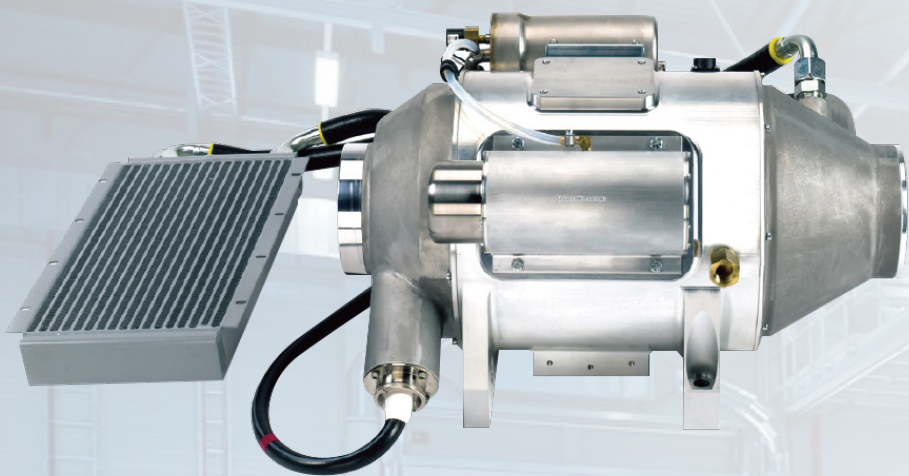
General Scanning Imaging

The 64-row 128-slice detector structure with up to 0.375s gantry rotation speed can realize the whole body integrated information acquisition.

Creating 1024x1024 megapixel high definition imaging platform to increase 4 times amount of information, and make the small lesions nowhere to hide.



High-definition Integrated Image Chain

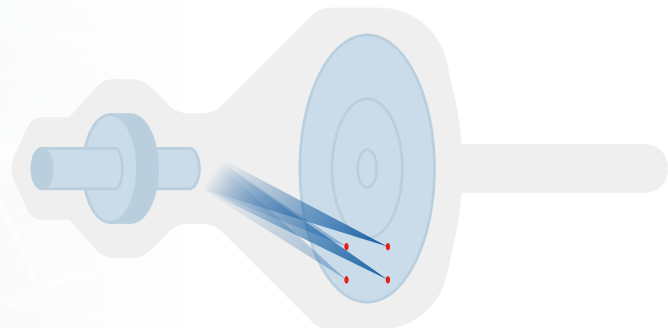


DUNLE



Tube with Dynamic Focal Spot

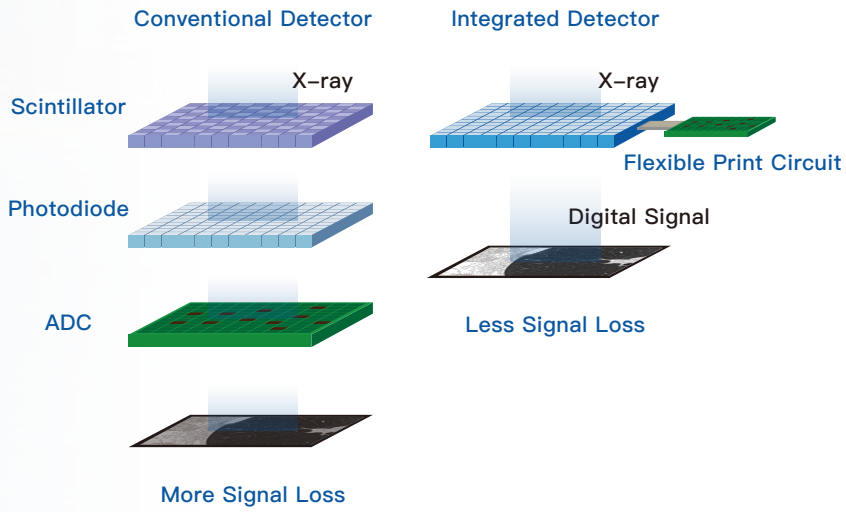
The 8M originally imported metal tube with X-DFS and Z-DFS technology and 80kW HV generator greatly improve the utilization rate of X-rays, reduce the X-ray radiation dose, and increase the service life of the tube.



X-DFS + Z-DFS technology

Qinggong Detector

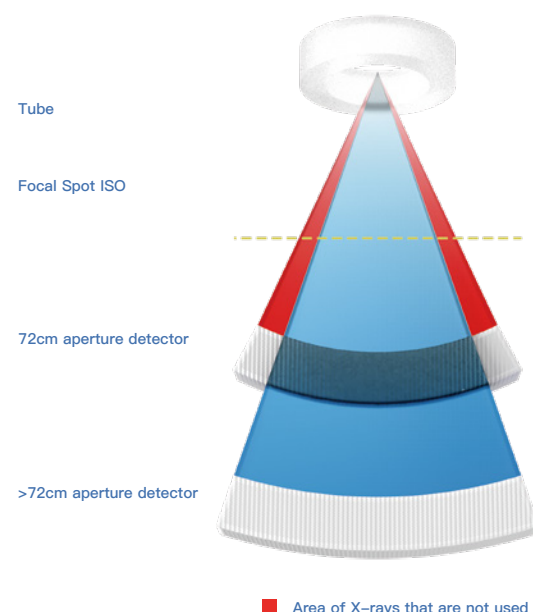
The seamless connection mode of the innovative ADC chip and the photoelectric conversion module achieves zero loss of the signal conversion without the influence of external electromagnetic interference, and realize extremely low electronic noise.





Golden Ratio Process Design

It is found in the R&D test that the 72cm spatial design can solve the scanning of patient special positions, which more effectively improve the utilization rate of the X-rays; it can also reduce the radiation harm and present golden ratio space.



Perfect After-sales Service

Installation Service

Detailed room layout specification and site instruction by professional engineers, and specialized site installation can make sure the accurate, reliable and rapid site installation process.

User Training Service

After installation, our senior product application training expert will provide professional application training and support for you.

Long-term Maintenance Service

Periodic site professional maintenance, and periodic remote testing can ensure the stable operation of the system and generating the best quality.

Continuous Upgrading Service

Free and continuous upgrading service of the software lifetime.

Exclusive customer hotline: 400-848-6088

- 7*24 hours service
- Remote technical support
- Professional engineers site service
- Online communication with senior experts



Five-in-one Wizard UI

The intelligent Wizard UI and simple scanning workflow can realize the five-in-one service of patient registration, examination, image post-processing, film printing and diagnosis.