WDM万东

TurboTom 3 Series

Computed Tomography X-ray System

Precision & Vision

WDM

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High Performance

High Definition Imaging

TURBOTOM 3 series is equipped with 5M liquid metal bearing tube and 64-slice thin-layer HD imaging system to achieve million pixels imaging with powerful output and fast scanning to help precise clinical diagnosis.

5MHU Liquid Metal Bearing Tube

High heat dissipation, low system wearing out

0.49s/360°

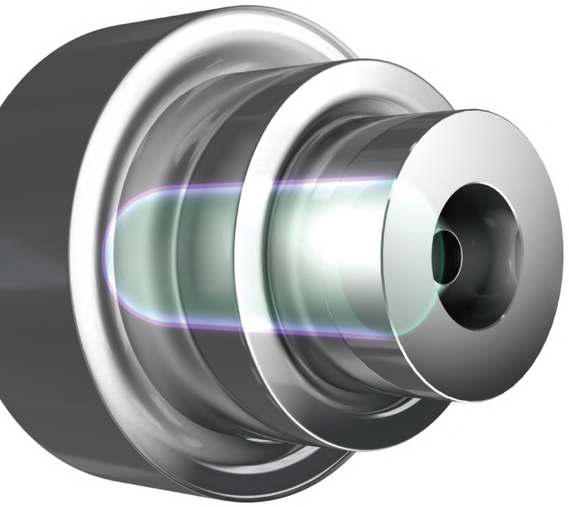
Fast scanning, fast reconstruction

64 Slice Thin-layer Scanning million pixels imaging

High resolution, high definition

All-round Low Dose Technology

Low noise, low dose



Liquid Metal Bearing Tube

Stable performance, meeting continuous and large examination throughput.

High Heat Dissipation Rate

Liquid metal bearings can tightly fill the gaps between the rotor and bearing, increase the heat conduction area, achieve all-round heat exchanging, so that to ensure continuous scanning needs.

Low System Wearing out

When the anode rotates, the liquid metal bearing rotates almost without friction, resulting in less vibration, noise and heat, and low system wearing out, and thus extending the service life of the tube.

Low Noise

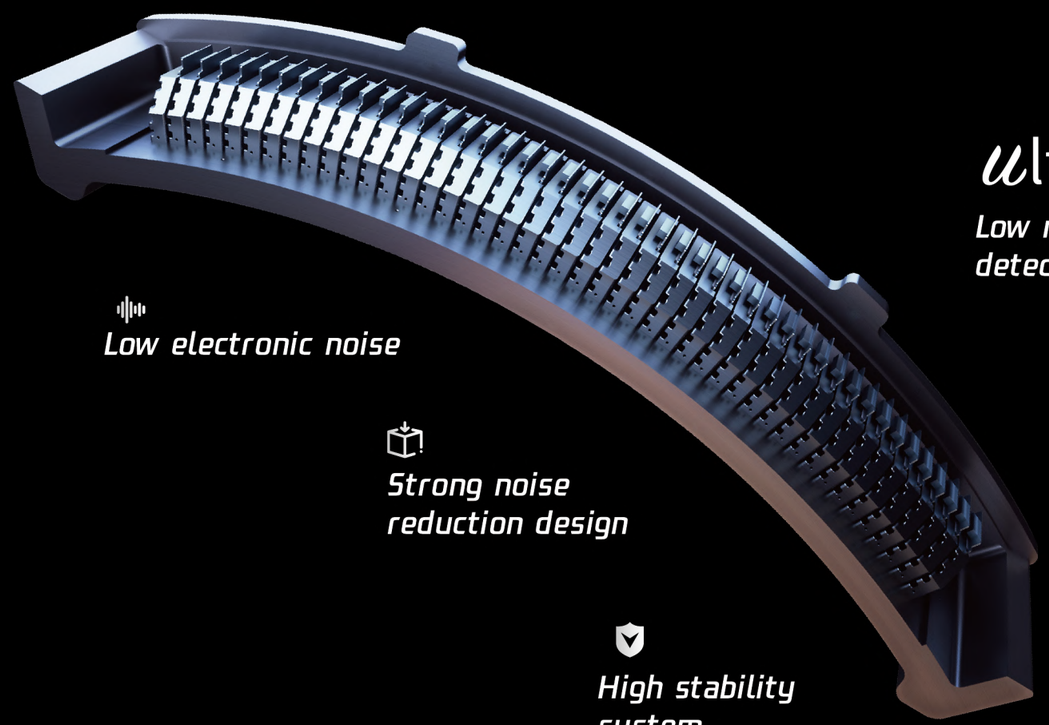
The rotor and bearings soaked by liquid metal produce low vibration and smooth rotation when working, reducing the noise of the system, and giving patient a quiet examination environment.

High Efficiency

No need for start-up time, shortening the overall scanning time of the patient and making the examination efficient.

ultra Low Noise Detector
Low Radiation and High-quality Images

The advanced detector chip brings low electronic noise, reduces signal transmission loss and improves the spatial resolution and low-density resolution of CT images.

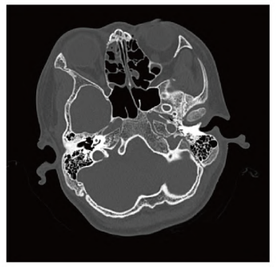


0.49s/r + 0.5mm Slice Thickness

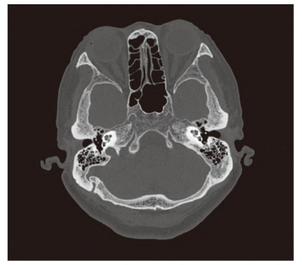
Acquire higher resolution images at faster scans

Improve comfort and accuracy of diagnosis

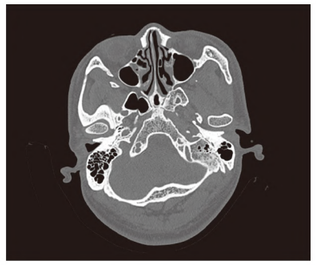
Reduce movement artifact affection



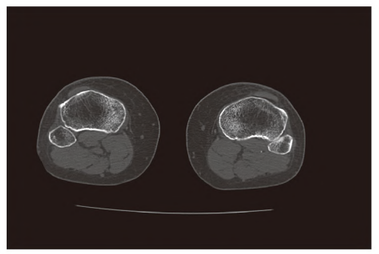
Inner ear imaging



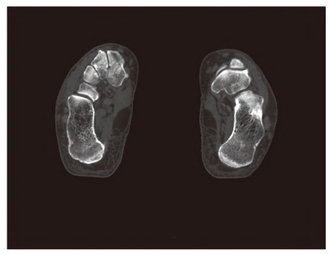
Inner ear imaging



Sinus imaging



Knee imaging



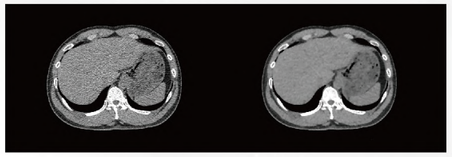
Foot imaging

HD & Low Dose Imaging

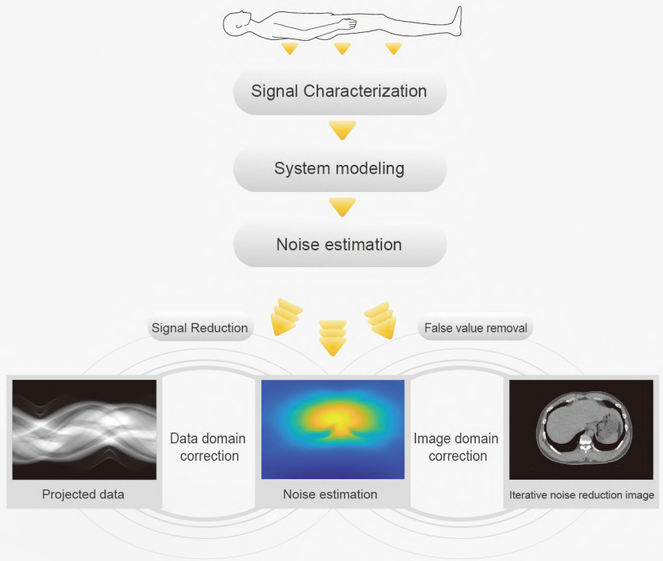
Multiple low-dose technologies for patient peace of mind

ImageClarity superposition iteration denoising algorithm

The system noise model is dynamically generated based on the real data response of the system, and a denoising algorithm of superposition iteration is performed in both data and image domains to optimize the artifacts and noise step by step, and to maintain and restore the real signal to keep the system high resolution while improving the contrast resolution.



Without ImageClarity With ImageClarity



DoseClarity
Intelligent Photon Adjustment Technology

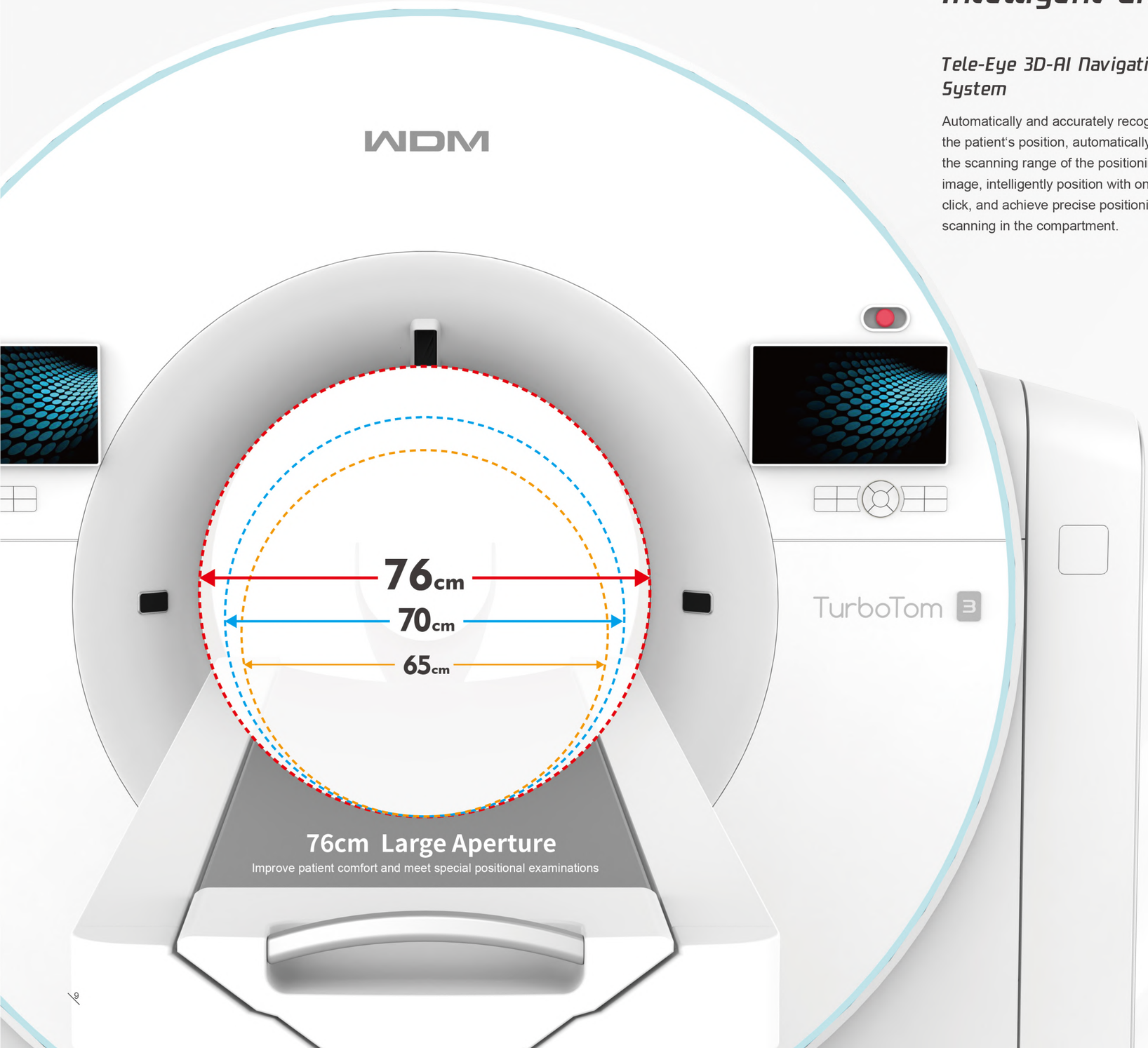
Intelligent identification of scanning body parts, formulation of optimized dose scanning plans, automatic adjustment of exposure parameters, and reduction of radiation dose.

FiltrationClarity
Metal Filtering

Filtration of unnecessary soft rays, reduces patient dose without affecting image quality.

ChildClarity
Low-dose Algorithm for Children

Deep learning of reconstruction algorithms are used to reduce the dose used for scanning while ensuring the quality of diagnostic images and protecting the health of growing and developing children.



Intelligent and Efficient Examination Process

Tele-Eye 3D-AI Navigation System

Automatically and accurately recognize the patient's position, automatically set the scanning range of the positioning image, intelligently position with one click, and achieve precise positioning scanning in the compartment.

OneDock Intelligent Control System

The one-stop bedside examination platform that enables one-click patient registration, examination protocol selection, scan range and orientation adjustment to improve work efficiency.

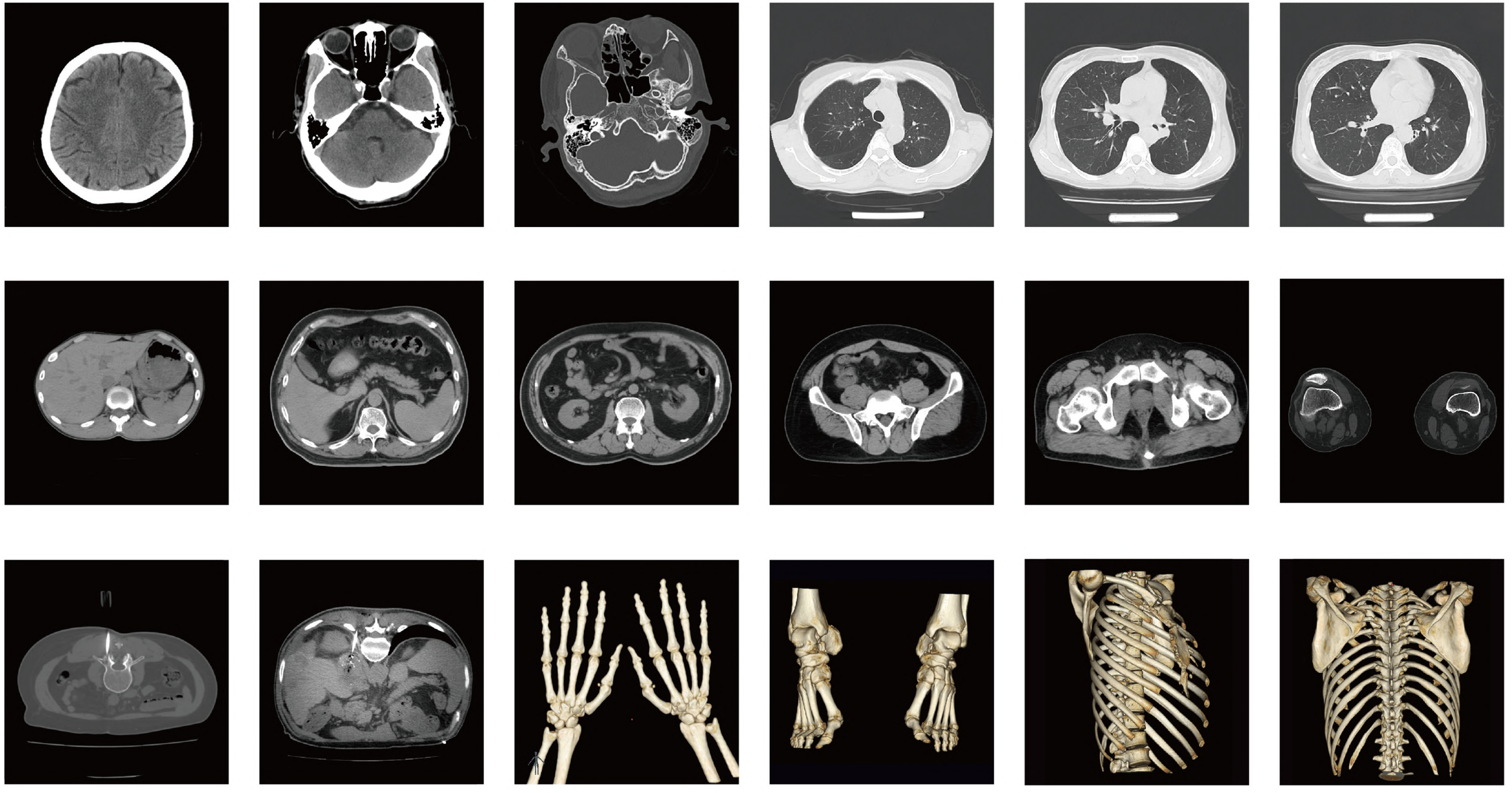
±30° Physical Inclination of the Scanning Gantry

Provide special position scanning to avoid frequent adjustment of patient position and bring comfortable examination experience.

High Precision Automatic Elevating Table

The table can be lowered to 460mm to facilitate children, wheel-chair patients and transfer bed patients.

HD Images



Global Service Caring for You

24 Hours Online Support

Quick response and remote technical support, on-line trouble shooting, spare parts inventory and quick delivery.

Free Software Upgrade

Fully self-developed acquisition platform, free lifetime software upgrade, always providing you the excellent experience.

Professional Team

Wandong imaging products have been installed in over 90 countries, hundreds of distributors and authorized service partners are ready to provide professional service.

Regular Maintenance

Regular maintenance by experienced and qualified engineer, guarantees the stable operation, prevents major failures, and extends the equipment life.