

WDM 万东

TurboTom 3 S PLUS

Computed Tomography X-ray System



WDM

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Note: Design and specification subject to change without notice.



High Performance Achieves High Definition Imaging

The TurboTom 3S utilizes liquid metal bearing tubes with high heat dissipation, delivering ample power for consistent scanning. With the Ultra Low Noise Detector and the ImageClarity superposition iteration denoising algorithm, it achieves a balance between low dosage and high-definition images, facilitating accurate clinical diagnoses. Furthermore, the intelligent imaging platform enables doctors to easy operation and perform precise analyses.

5MHU Liquid Metal Bearing Tube

High heat dissipation, low system wearing out

0.49s/360°

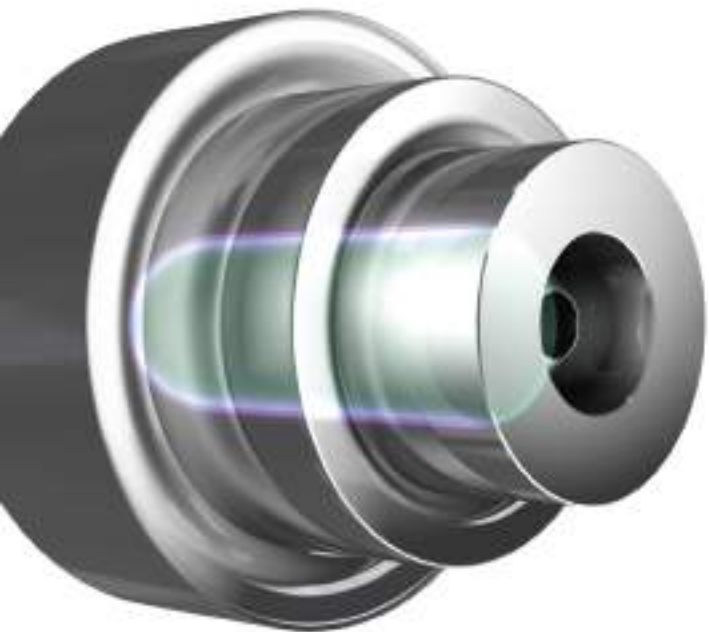
Fast scanning, fast reconstruction

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 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.

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.

High Efficiency

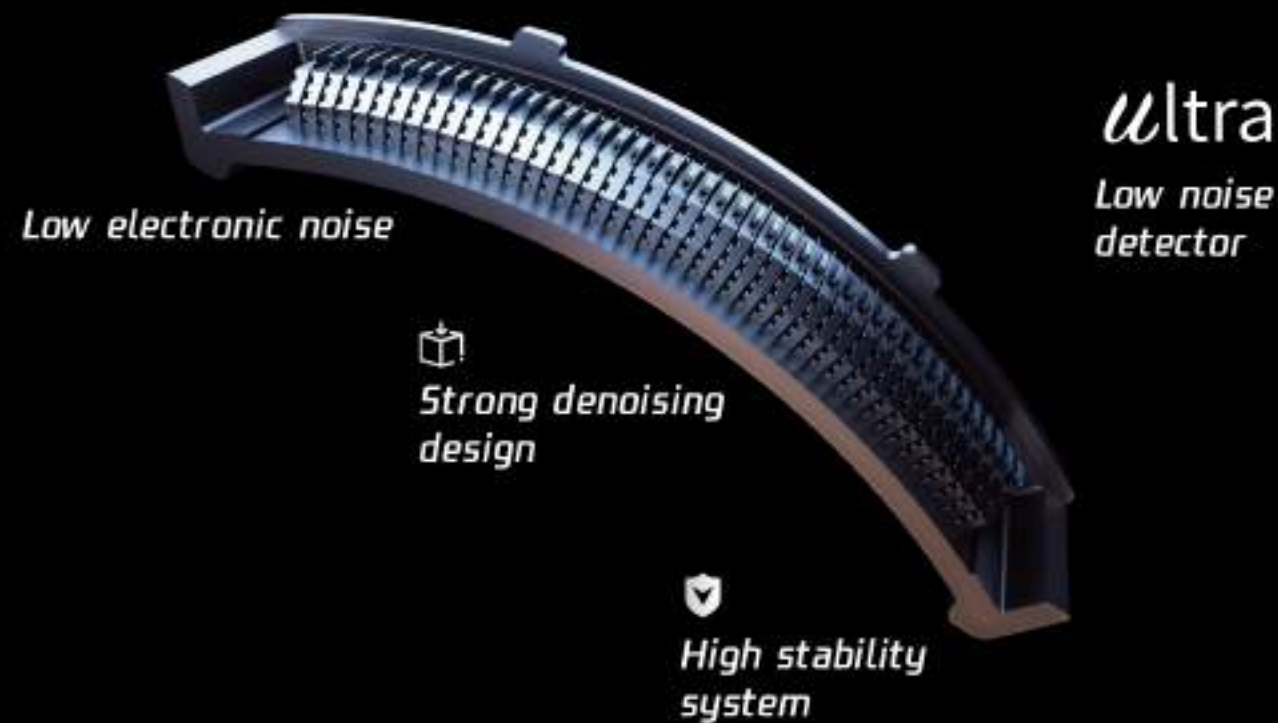
No need for start-up time, shortening the overall scanning time of the patient and making the examination efficient.



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/360° Rotation

Higher image resolution at faster scan.
Improve comfort and accuracy of diagnosis.
Reduce movement artifact affection.
A coverage range of 20mm along the Z-axis enables rapid completion of a full lung scan.

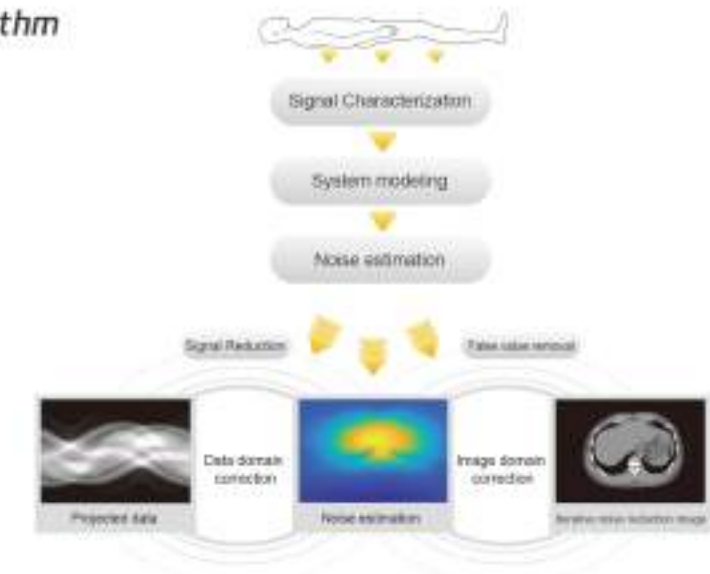
HD and Low Dose Imaging

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.



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

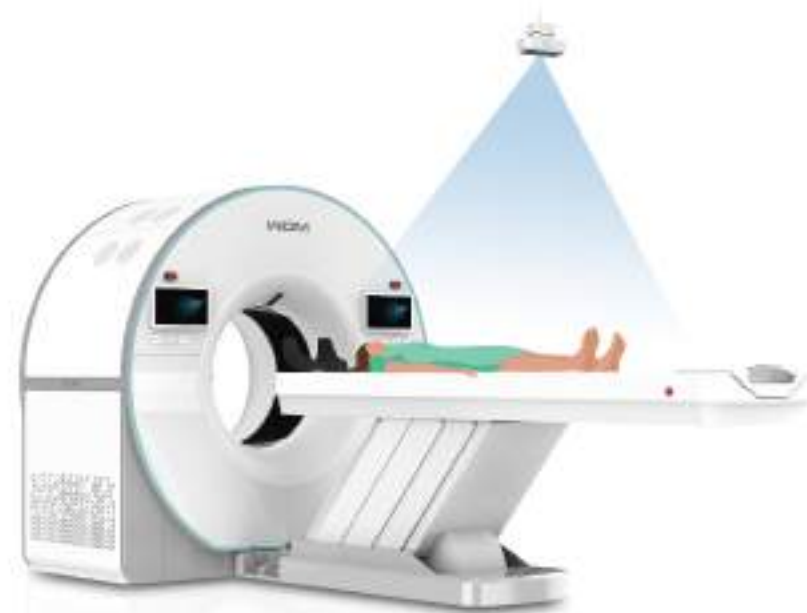
Filtration of unnecessary soft rays, reduces patient dose without affecting image quality.

ChildClarity

Low-dose Algorithm for Children

Low-dose 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



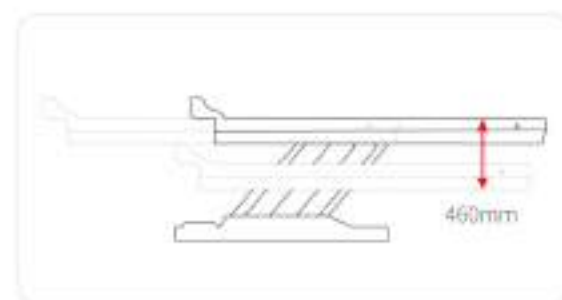
Tele-Eye 3D-AI Navigation System

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.



High Precision Automatic Elevating Table

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

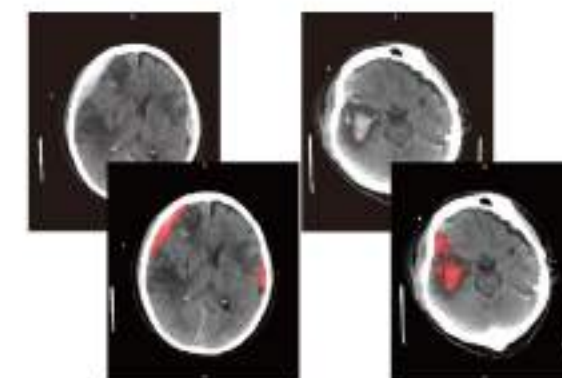
Tabletop Removal Function

After CT three-dimensional reconstruction, the tabletop can be removed with one click, eliminating the interference in imaging, greatly improving the efficiency of doctors' diagnosis.



Assisted Diagnosis of Cerebral Hemorrhage

Utilizing tens of thousands of complete cerebral hemorrhage imaging data, Wanlicloud can automatically and accurately delineate the boundaries of hematomas, providing detailed anatomical localization and volume measurements of the hematomas.

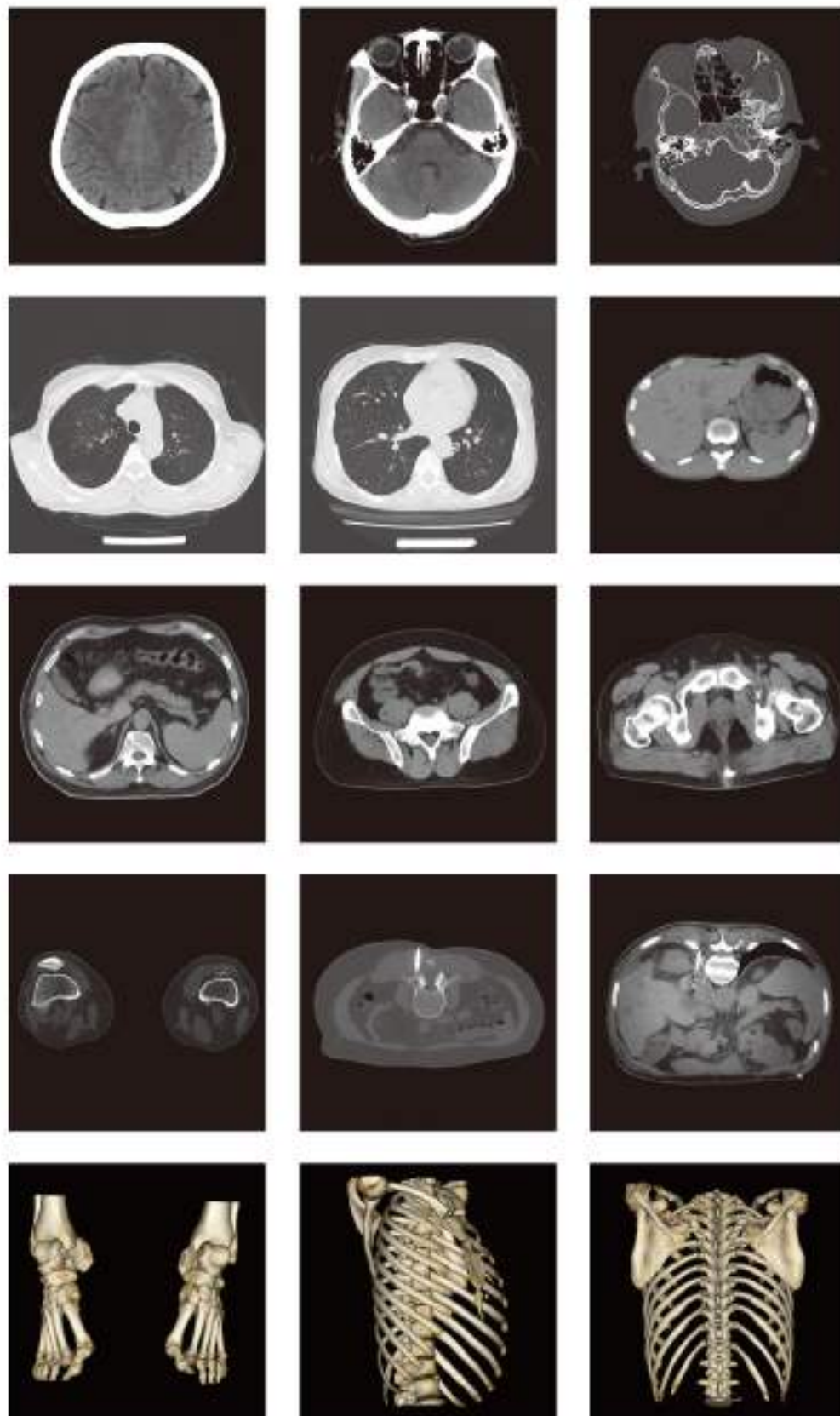


Assisted Diagnosis of Pulmonary Nodules

Automatically detects pulmonary nodules in CT image sequences, automatically segments suspected nodules, and provides information on the size, anatomical location, average density, and volume of the nodules. Supports four-class classification of nodule types: ground-glass nodules, solid nodules, part-solid nodules, and calcifications.



High Definition Clinical Image
- for Whole Body Examination



**Flexible service
solutions**

**Original quality
core components**

24 Hours Online Support

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**Global Service
Caring for You**

Active service

Quick response

**High quality
delivery process**

**Product upgrade
service**