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WDM



CT Imaging Solutions

TURBOTOM Series

Computed Tomography X-ray System

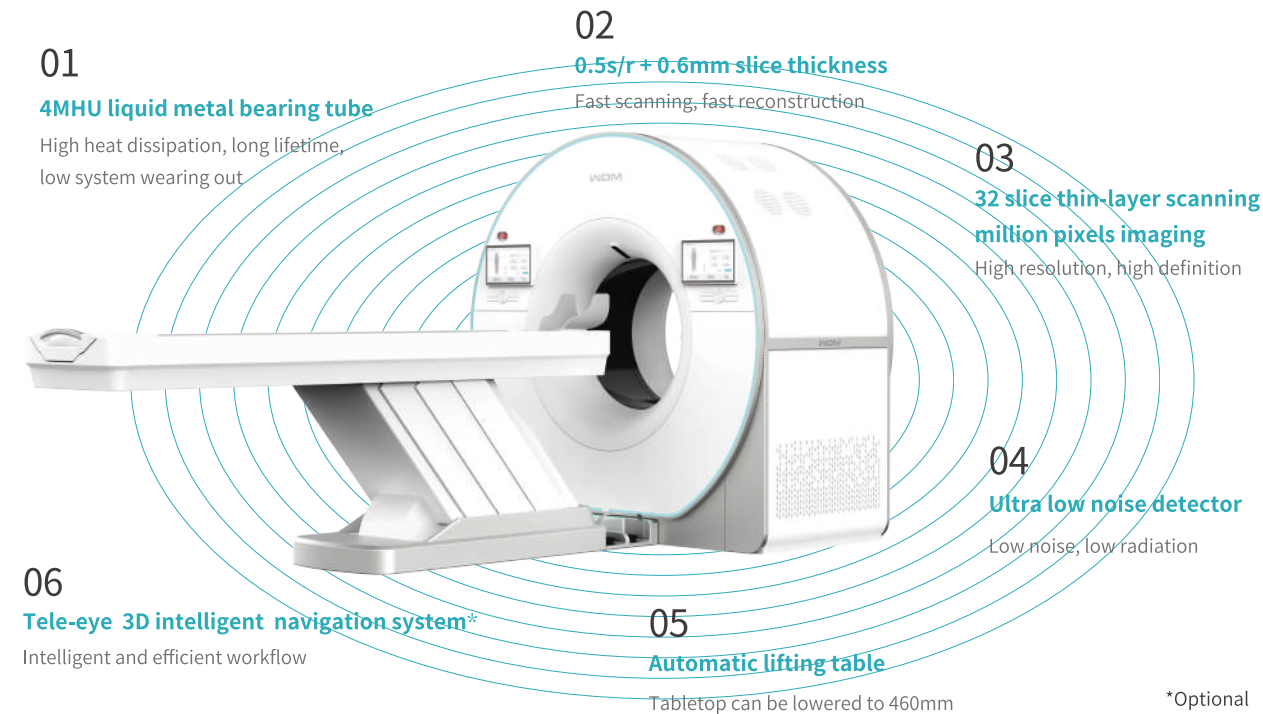


High performance achieves high definition imaging



Wandong Medical's CT series products are an outstanding choice in the field of medical imaging, combining advanced computed tomography technology with extraordinarily performance. The high resolution imaging and high scanning speed provide doctors with precise and quick diagnostic tools. The comprehensive range of applications includes neurology, cardiology, oncology, and more, meeting diverse clinical needs. Unique image reconstruction algorithms and optimized automated workflows streamline the diagnostic process, enhancing efficiency. The Wandong CT series is dedicated to advancing medical imaging technology, delivering high-quality and personalized healthcare services to patients.

TurboTom 1S PRO



*Optional

TurboTom 3 S Plus



01
5MHU liquid metal bearing tube
Long-lasting, low wear, suitable for high patient throughput

02
0.49s/r + 0.5mm slice thickness
Fast scanning, instant imaging

03
64 slice thin-layer scanning, million pixels imaging
High definition, fast reconstruction

04
Ultra low noise detector
Quiet environment, comfortable experience

05
±30° digital tilt of the scanning gantry
Provides precise scanning field

06
Automatic lifting table
Tabletop can be lowered to 460mm

07
Tele-eye 3D intelligent navigation system *
Intelligent and efficient workflow

TurboTom 3



01
5MHU liquid metal bearing tube
High performance, low friction, low vibration, more durable

02
0.49s/r + 0.5mm slice thickness
Higher image resolution at faster scanning speed

03
64 slice thin-layer scanning million pixels imaging
Assist in precise diagnosis

04
Ultra low noise detector
Quiet comfort, excellent experience

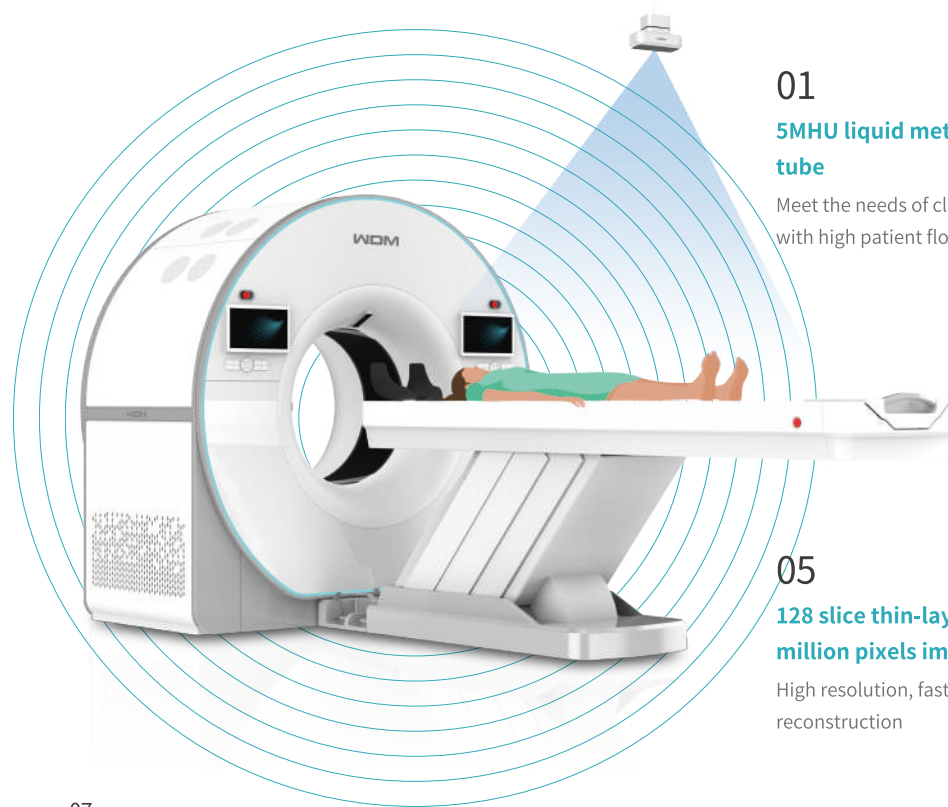
05
76cm large aperture
Provide flexible choices for patients who need special care

06
±30° physical tilt of the scanning gantry
Comprehensive applications for diverse positioning

07
Automatic lifting table
Tabletop can be lowered to 460mm

08
Tele-eye 3D intelligent navigation system
Intelligent and efficient workflow

TurboTom 5S Plus



01

5MHU liquid metal bearing tube

Meet the needs of clinical scanning with high patient flow

02

0.49s/r + 0.5mm slice thickness

Improve scanning speed and reduce motion artifacts

03

Ultra low noise detector

Low noise, low radiation

04

Automatic lifting table

Tabletop can be lowered to 460mm

05

128 slice thin-layer scanning million pixels imaging

High resolution, fast reconstruction

06

Tele-eye 3D intelligent navigation system

Intelligent and efficient workflow

TurboTom 5 Plus

01

5MHU liquid metal bearing tube

Meet the needs of clinical scanning with high circulation

02

0.49s/r + 0.5mm slice thickness

Improve scanning speed and reduce motion artifacts

03

128 slice thin-layer scanning million pixels imaging

High resolution, fast reconstruction

08

Tele-eye 3D intelligent navigation system

Intelligent and efficient examination process

04

Ultra low noise detector

Low noise, low radiation

07

Automatic lifting table

Tabletop can be lowered to 460mm

06

±30° physical tilt of the scanning gantry

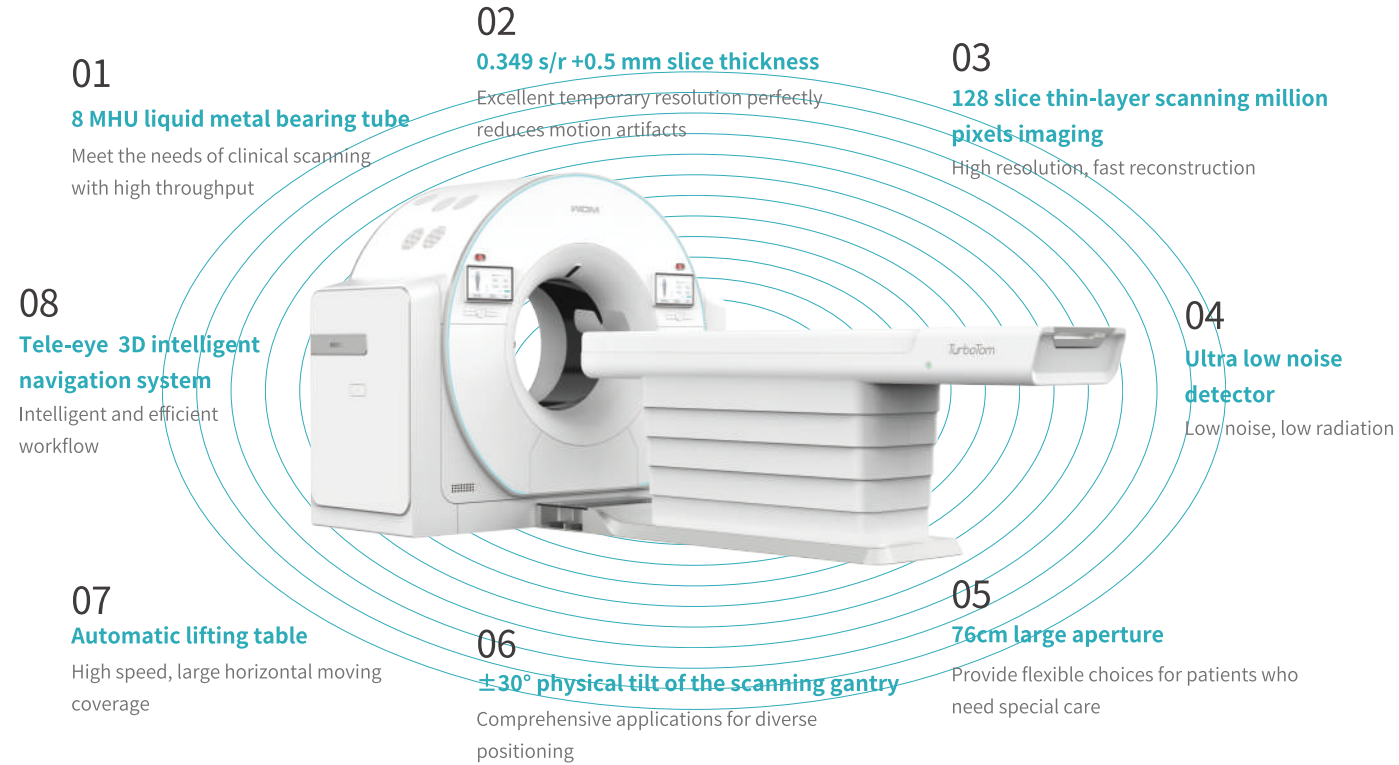
Comprehensive applications for diverse positioning

05

76cm large aperture

Provide flexible choices for patients who need special care

TurboTom 5 PRO

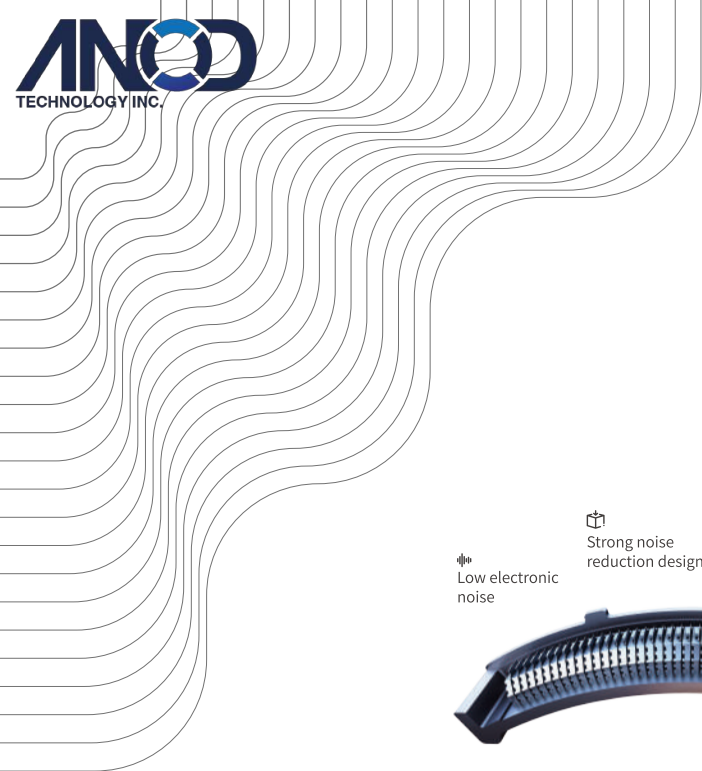


Product in Developing

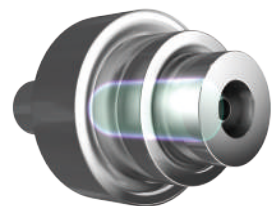
TurboTom 9 Series ►

288 row, 576 slice



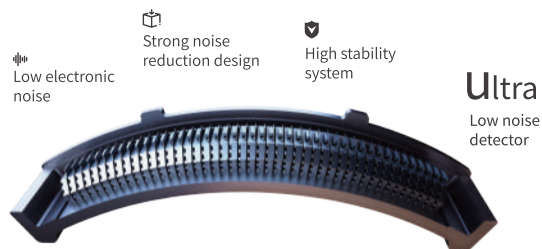


Product Highlights



Liquid Metal Bearing Tube

High heat dissipation rate
Low system wearing out
Low noise
High efficiency

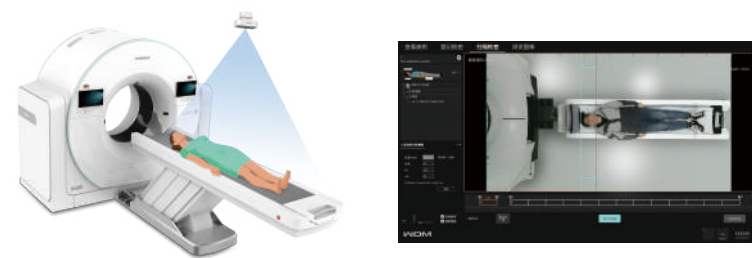


Ultra Low Noise Detector

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

Tele-Eye 3D Intelligent 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.



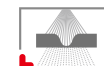
ImageClarity Superposition Iteration Denoising Algorithm

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

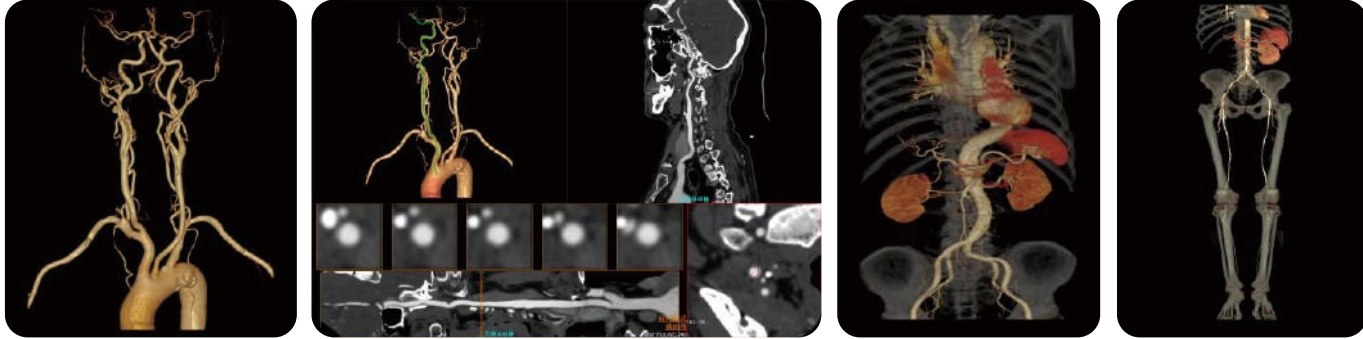
Filtration of unnecessary soft rays, reduces patient dose without affecting image quality.



ChildClarity Low-dose Algorithm for Children

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.

Clinical Applications



Vessel Analysis (Standard)

A variety of intelligent analysis modes are adopted to multiple types blood vessels and meet the needs of vessel analysis in different parts such as head, chest and abdomen.

Intelligent CTA subtraction and CTA bone removal technology are used to quickly display the anatomical structures of blood vessels, visually display blood vessels around bone, and comprehensively observe whether there are abnormal parts.

Easily accomplish analysis of any vessel to improve the diagnostic accuracy of vascular disease.

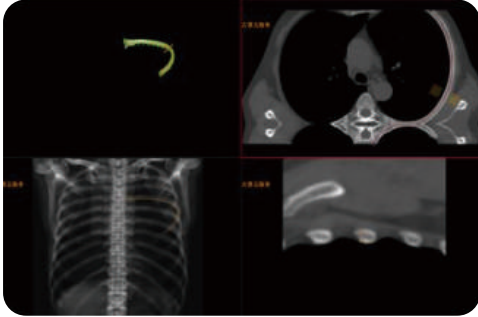


Spine Analysis (Optional)

Intelligent spine automatic extraction, intelligent segmentation and naming, breaking the conventional ordinary 3D reconstruction of the spine, using the MPR mode, the local cross-section of the spine diagnostic mode, combined with more than ten kinds of parameter measurement functions.

For different symptoms of spinal diseases can achieve rapid and accurate analysis. It can assist doctors in the diagnosis of congenital spinal deformity, spinal fracture and other diseases.

Clinical Applications



Rib Analysis (Optional)

Intelligent extraction of the entire thoracic structure and VR image reconstruction.

One-click extraction of single/multiple target ribs, 3D, CPR, rib cross section and other mode combination to achieve a full range of rib diagnosis and analysis.

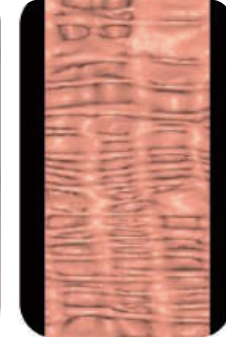
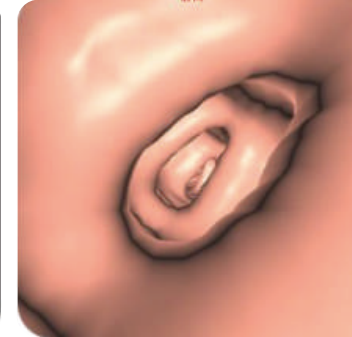
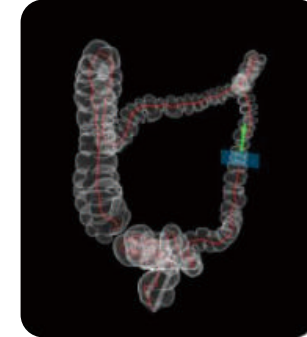
It can assist doctors in the analysis and diagnosis of rib fractures, metastases of tumors, chondrosarcoma and other diseases.

CTU (Optional)

CTU is used for the visual evaluation of ureteral diseases, pelvis destruction, and the diagnosis of urinary calculi and urinary tumors.

The urinary system was extracted, and the VR images of the renal pelvis, ureters and bladder were displayed. The anatomical position of the tissue is clearly observed. All aspects of ureter shape and anatomic position were displayed.

Assist doctors for observation of urinary tract obstruction site and cause, examination of ureteral lesions, rapid diagnosis of ureteral lesions and calculi changes.



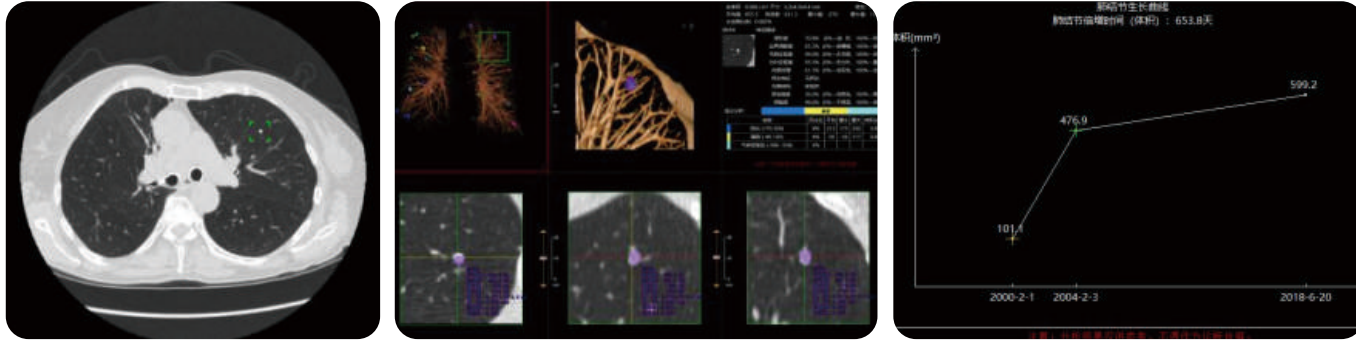
Colon Analysis (Optional)

The colon analysis can be automatically identified and extracted, and a number of technologies such as virtual contrast imaging of the colon, VR panoramic display, two-way simulated colonoscopy.

And colon analysis can be used to rapidly observe the inner wall and mucosal folds of the colon from a full perspective, clearly display the position, shape, degree of infiltration and degree of stenosis of the intestinal lesions, and assist doctors for precise localization and analysis of the lesions.

At the same time, it provides the function of quantitative analysis of colon lesions, with one click automatically calculating the lesion volume and other multiple parameters, quantifying the degree of intestinal wall stenosis, and providing more reference for the diagnosis of colon lesions.

Clinical Applications

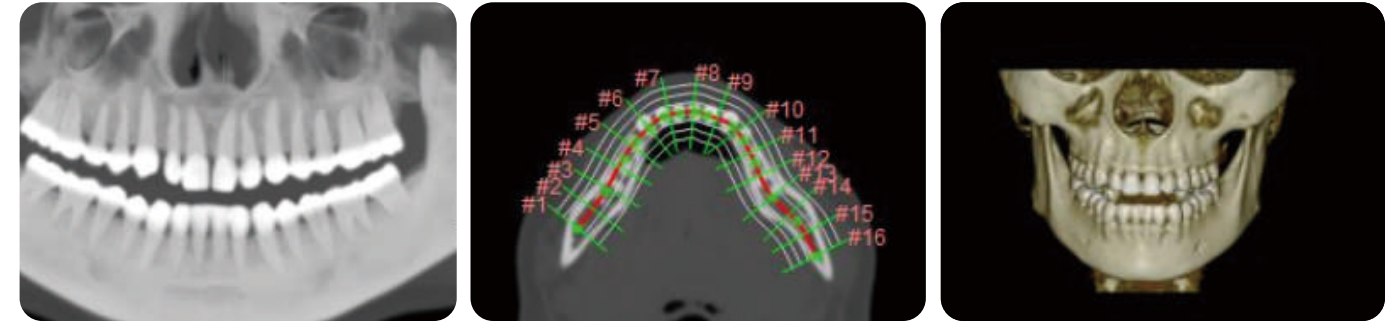


Nodule Analysis (Optional)

It can provide intelligent recognition function of lung nodules, comprehensively and efficiently detect suspected lung nodules, provide description of 8 signs of lung nodules and analysis of 3 components of lung nodules, and assist clinical analysis of the pathological properties such as size, density, shape, internal structure and composition.

At the same time, it provides intelligent follow-up function of lung nodules, supports intelligent comparative analysis of multiple scan evaluation results, and assists clinical real-time dynamic observation of changes in the size, shape and nature of lung nodules.

It can also be used to assist clinical quantitative and qualitative detection and diagnosis of lung nodules, which is helpful for detection of early stage lung cancer.



Dental Analysis (Optional)

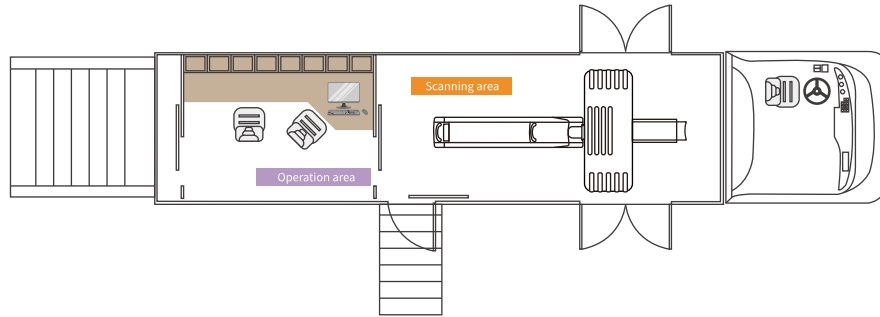
It has the function of intelligent automatic reconstruction of dental panoramic view, and visually displays the overall situation of the mouth and teeth.

Combined with more than ten powerful and accurate measurement and labeling functions, it accurately displays the number, shape, size, growth direction and adjacent tooth position. It can be used for preoperative diagnosis of dental malformations, preoperative evaluation of dental root canal therapy, and re-evaluation after orthodontic treatment.

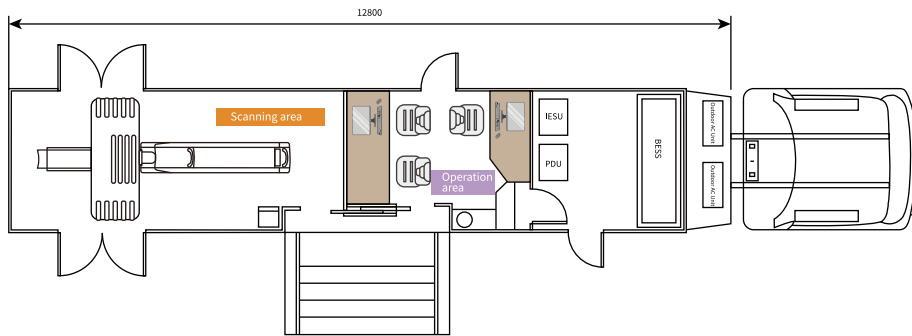
Assist doctors to diagnose dental diseases quickly and comprehensively, develop customized diagnosis and treatment plans for patients.

Vehicle-mounted CT Solutions

12-meter containerized CT medical vehicle



12.8-meter mobile CT medical trailer



Worry-free Service



Fast
360° efficient response service

- ◆ 100+ professional after-sales service engineers
- ◆ 24/7 real-time online support
- ◆ One-stop service for users
- ◆ Tailor-made, personalized solutions



Smart
24-hour real-time monitoring

- ◆ Continuous monitoring of environmental temperature and humidity
- ◆ Real-time tracking of key component status and power consumption
- ◆ Automatic system alerts upon detecting abnormalities



Worry-Free
Cloud-based services

- ◆ Cloud data storage
- ◆ Remote system maintenance
- ◆ Equipment diagnostics and early warnings

Clinical Image

