

CT Ark

Minfound Medical Systems

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website:www.minfoundmed.com

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Sichuan MinFound Medical Systems

Address:No 88,Yinbin Road,Shouan Town,Pujiang District,Chengdu

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Address:1st Floor,No 1 Factory,Jiangjin Comprehensive Bonded Zone,Luoheng Town,Jiangjin District,Chongqing

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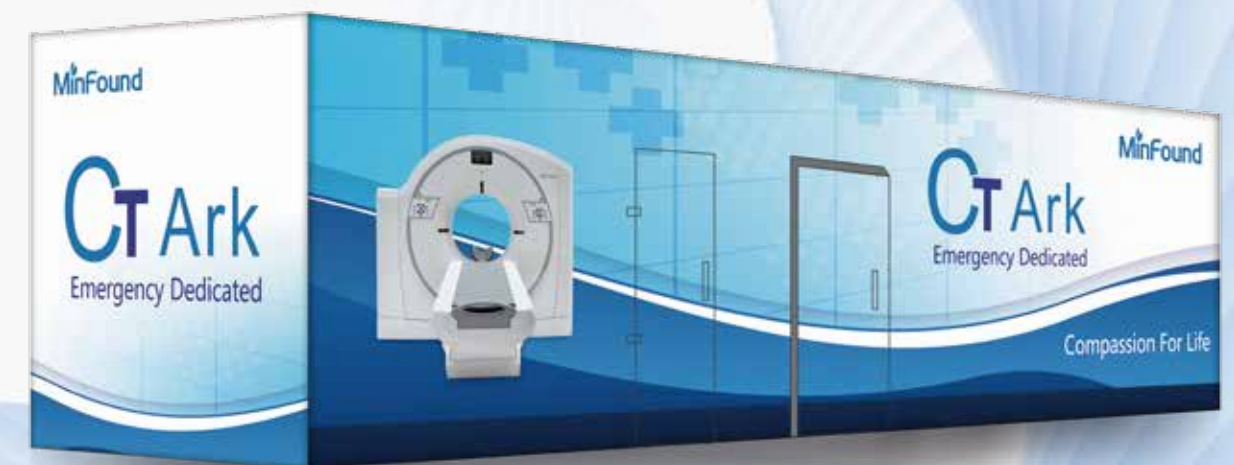


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MinFound



CT Ark

Emergency Dedicated

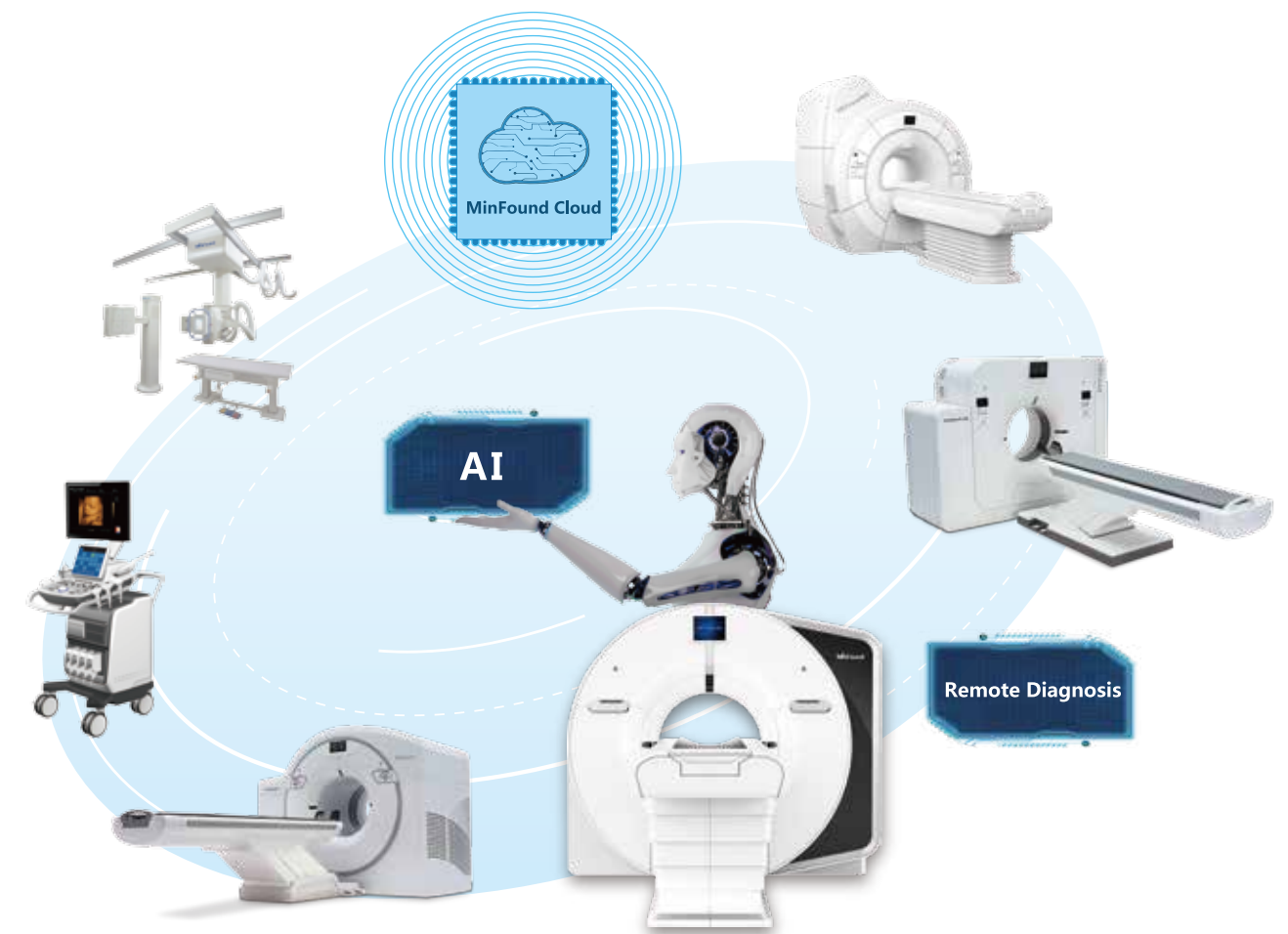
About MinFound

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Clearance and has been selling the CT and PET/CT Systems in China. FMI is successful of obtaining FDA Clearance for the CT Systems with plans of establishing manufacturing operations in Solon, Ohio for producing systems for the global market.

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World Leading Medical Products and Solutions Supplier



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READY TO USE

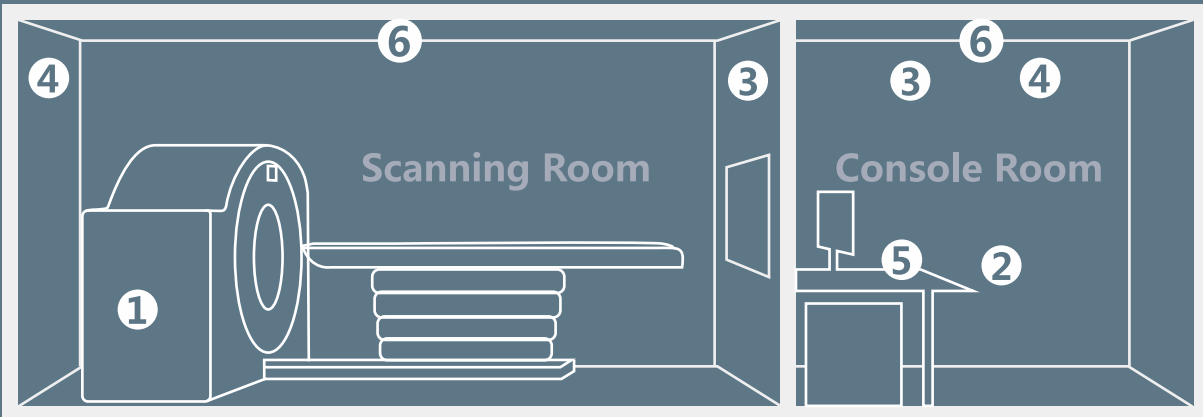
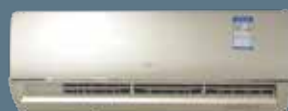
1 CT



2 Independent Console Room



3 AC



4 Ventilation System



5 Exit



6 UV Disinfection

7 Radiation Protection

Flexible Medical Usage

Epidemics



Earthquake



Field Hospital



Rescue

Avoid Cross Infection

Separate Rooms and Gates for Doctors and Patients
Remote Operation & Automatic Positioning & One-key Scanning
No need for doctors to enter the scanning room



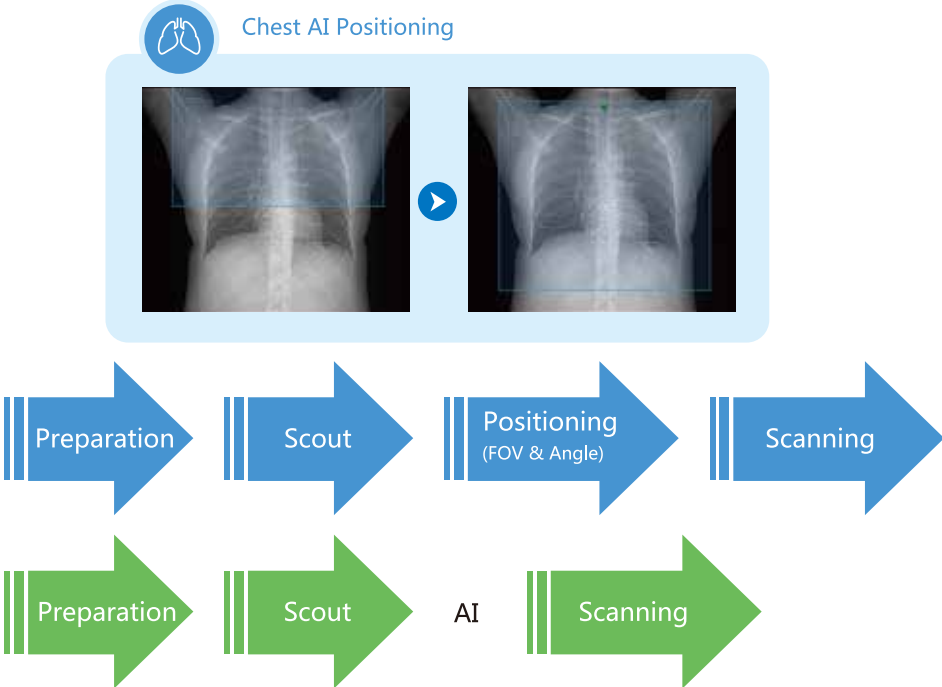
UV Disinfection

The scanning room and console room are equipped with UV disinfection system.



Lung Scanning Workflow

- Automatically positioning of the lung in the scanning process
- Simplify the scanning process
 - Improve the work efficiency
 - Avoid misoperation



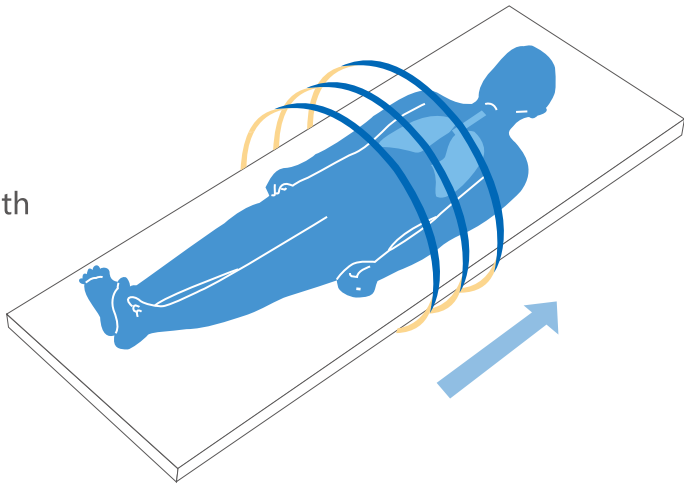
- Automatically reconstruct the axial, sagittal and coronal plane
Automatically save and archive
Reduce the manual operation
Speed up the diagnosis process



High Definition

- 1024 * 1024 Reconstruction Matrix
- Modularized Digital Detector : ScintiStar
- Chest Reverse Scanning Technology

Lung reverse scanning can eliminate respiratory motion artifact due to long time breath holding.



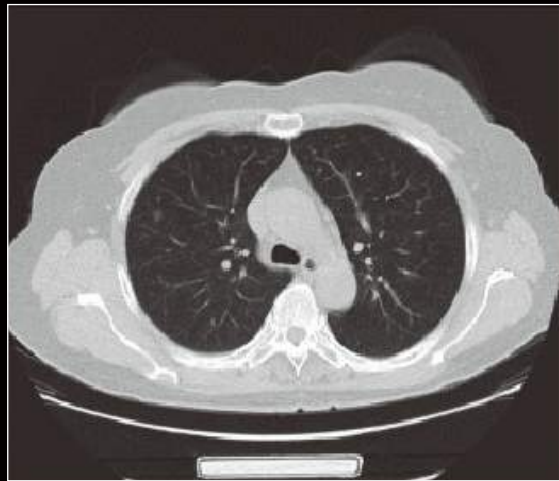
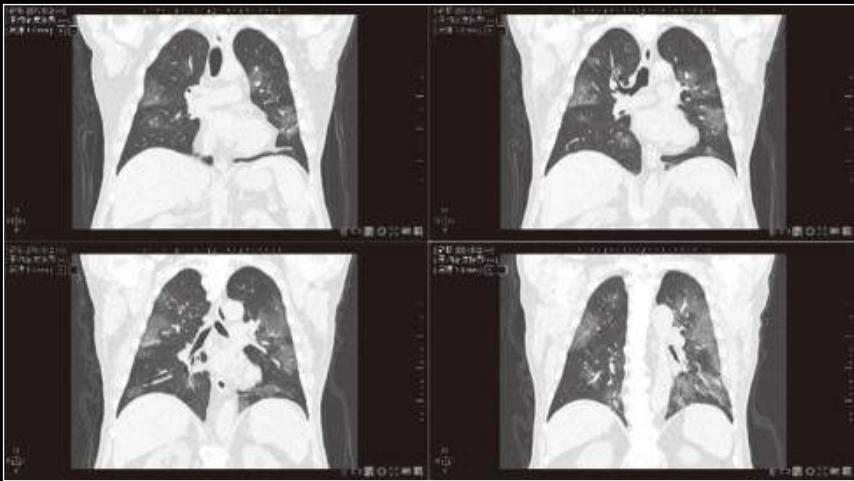
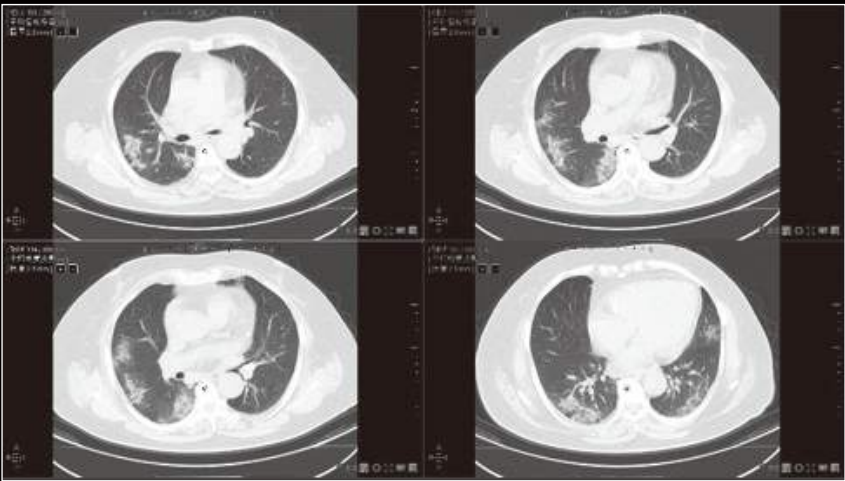
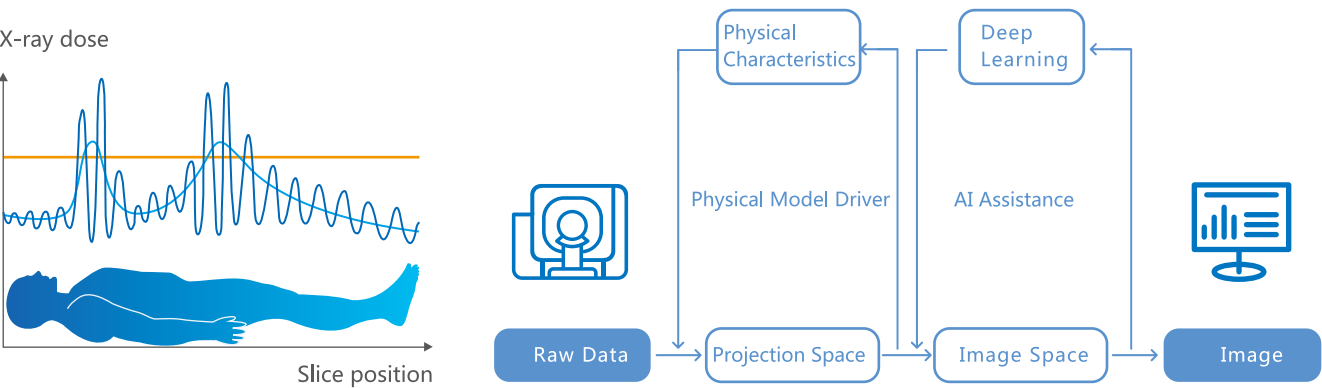
Low Dose Technology

NDI (NanoDose Iteration)

Radiation dose can reduce by 40% based on NDI.

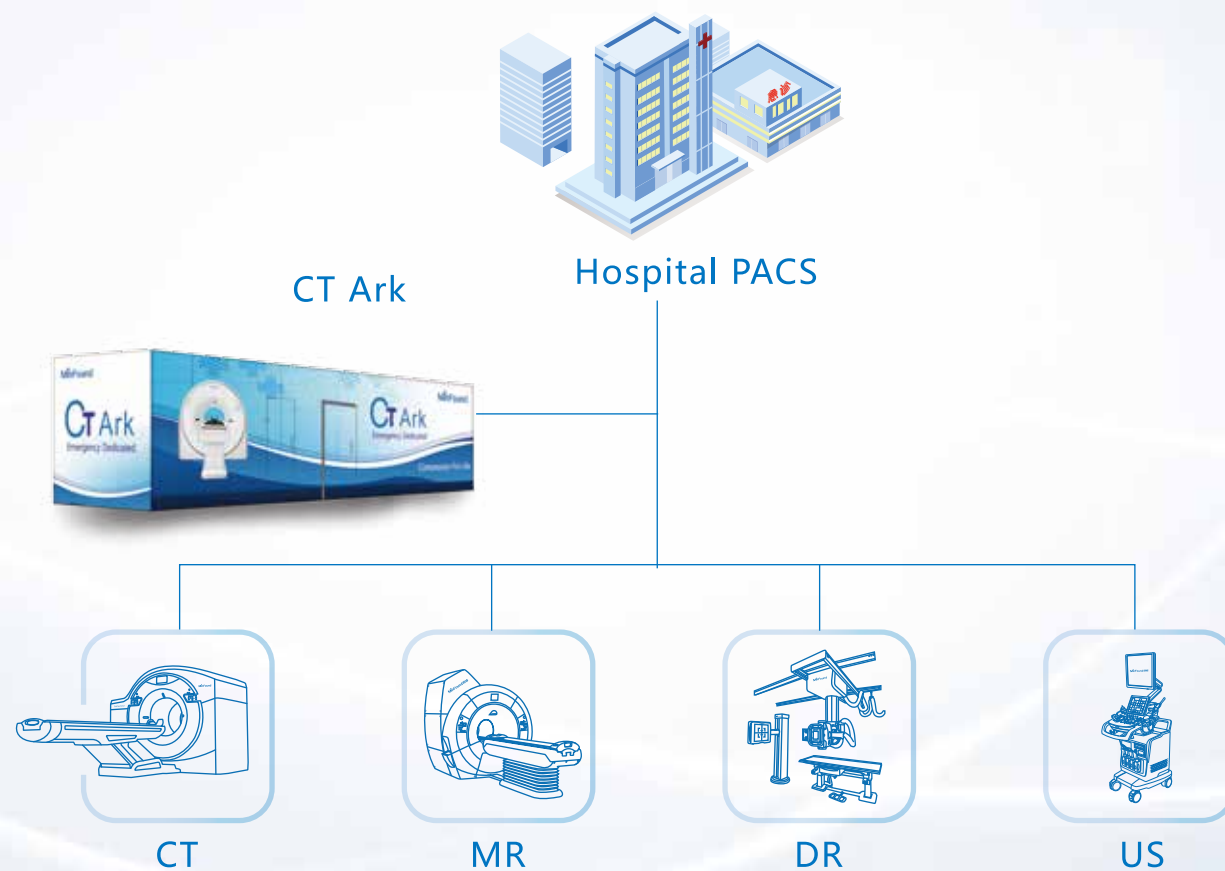
Intelligent mA Modulation

Dose can be adjusted according to anatomical structure



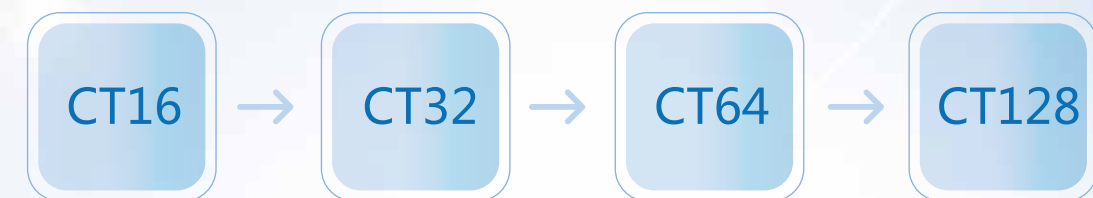
Remote Diagnosis & Data Transmission

- 5g image data transmission available
- Data can be transferred to hospital PACS
- Data can be sent to remote consultation center



In The Future

After the outbreaks or emergency activities, it can be installed to the radiology department or as a mobile CT room with the pro-vehicle.
Flexible configs including CT 16,CT 32,CT 64,CT 128 can be equipped according to actual need.





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MinFound Medical Systems Co., Ltd.

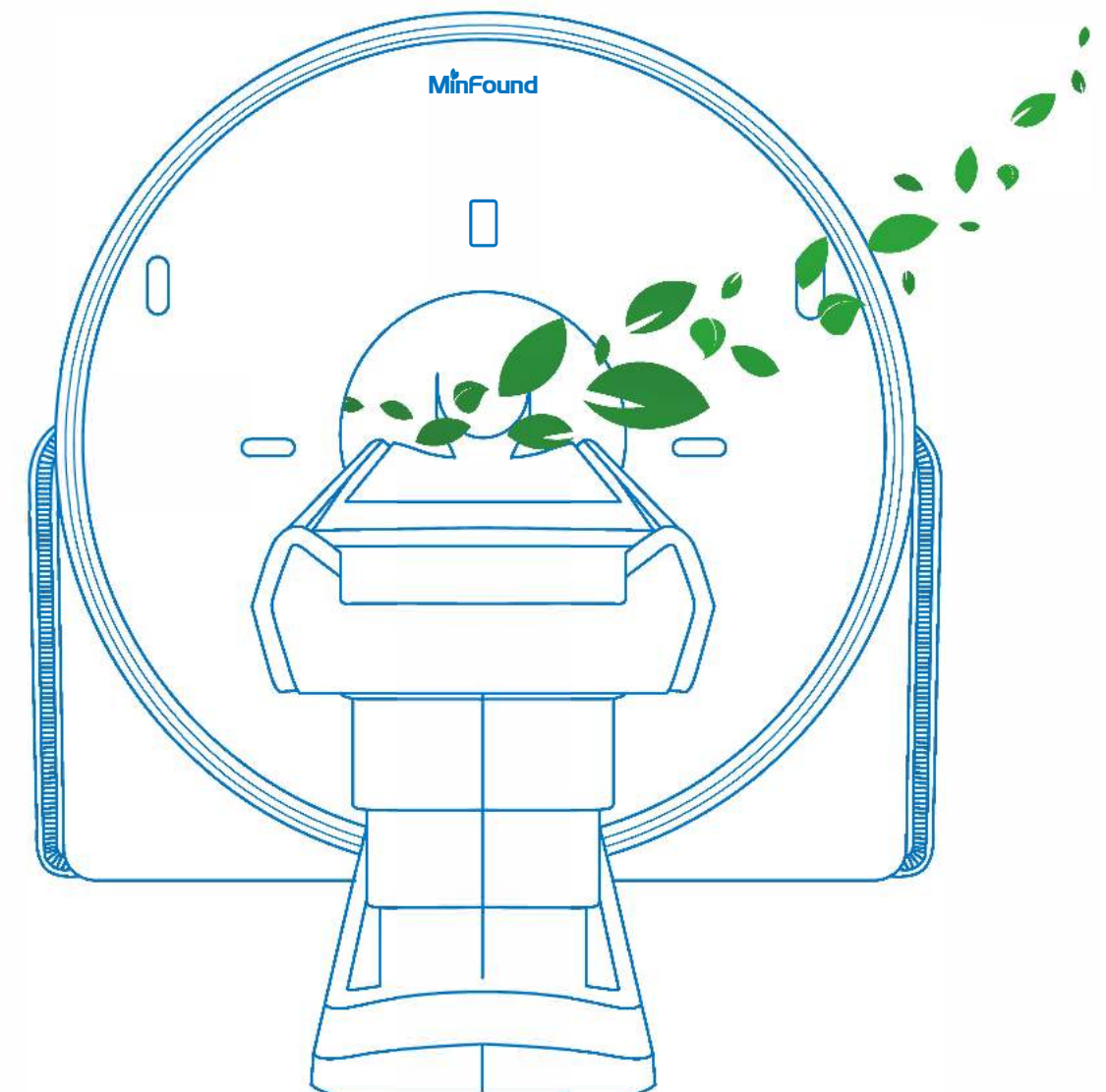
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SCINTCARE BLUE 755

Great Performance
Attractive Solution



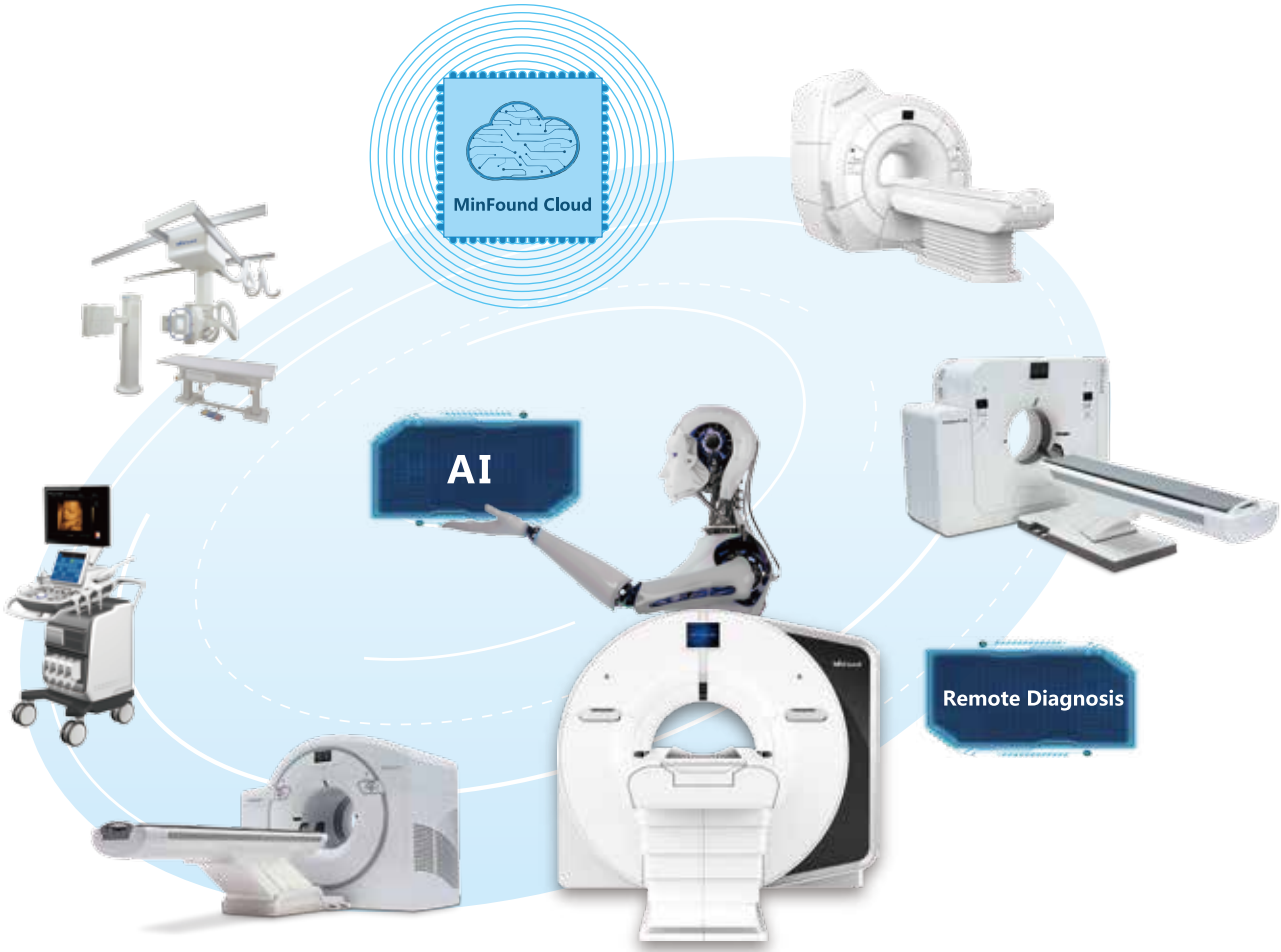
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ECO-Green Intelligent CT

High-end Platform Technology

AI Workflow & Easy Operation

Efficient, Stable, Durable



High-end Platform Technology

Modularized Digital Detector

Convert analog signal to digital signal directly

Less signal loss

Higher X-ray utilization

Low dose and high definition

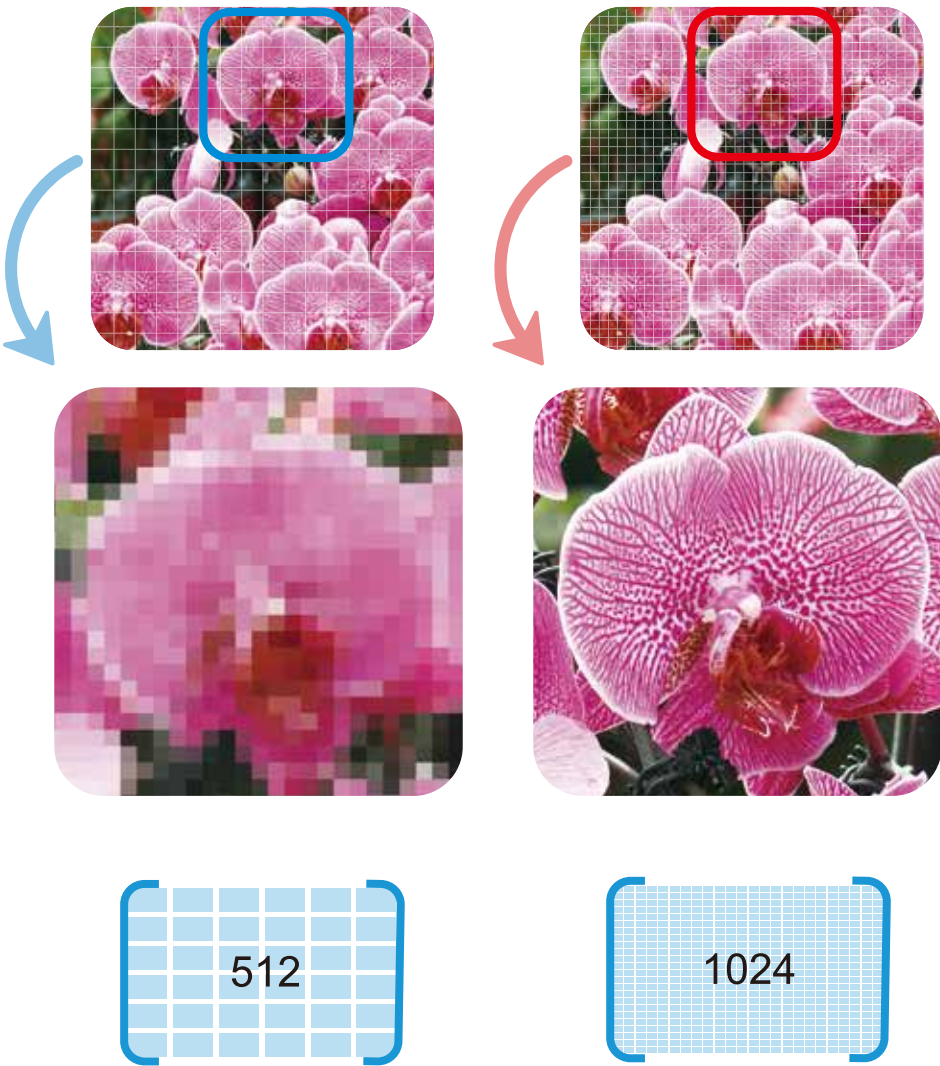
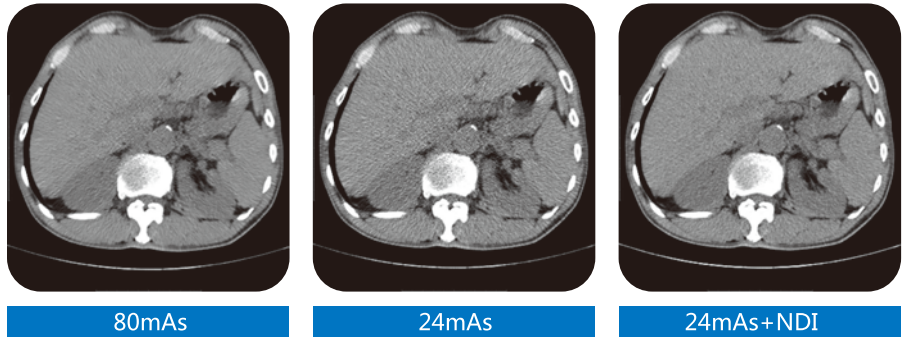
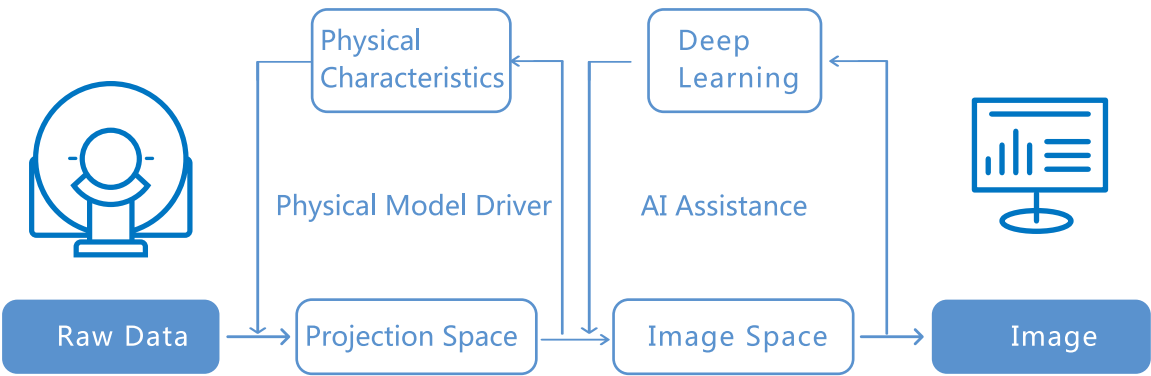


Digital ASIC Chip



NDI (NanoDose Iterative)

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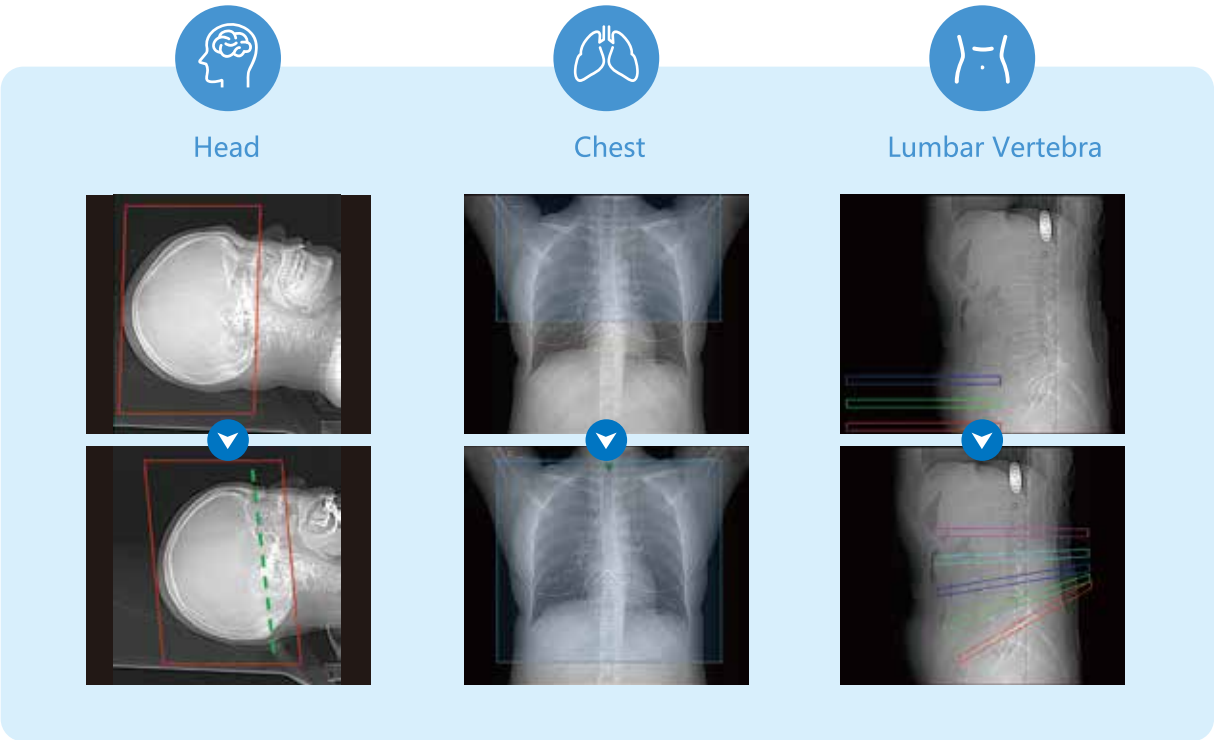
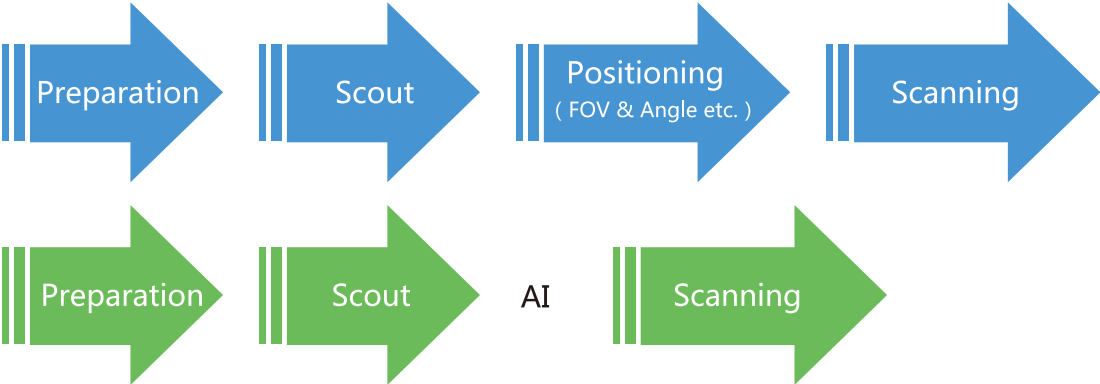
1024×1024 Megapixel

1024×1024 reconstruction matrix can fully display more details of lesions and provide reliable basis for early detection, early diagnosis and early treatment of diseases.

AI Workflow & Easy Operation

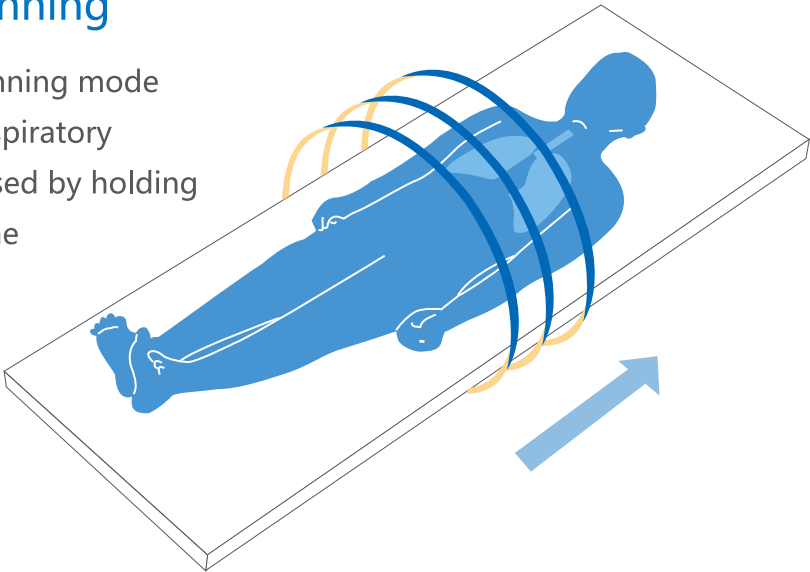
Intelligent position

Save a lot of time and the scanning is more standard and accurate



Intelligent Scanning

Intelligent chest scanning mode can eliminate the respiratory motion artifacts caused by holding breath for a long time



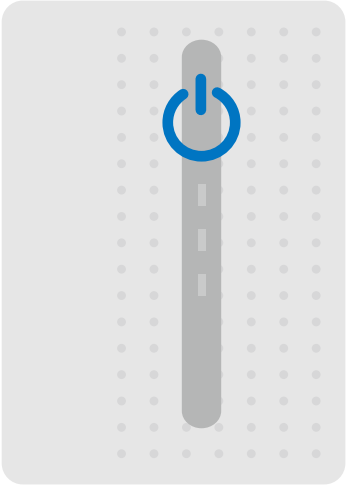
Mobile Operation Panel

Control the machine easily and remotely



One-key Start

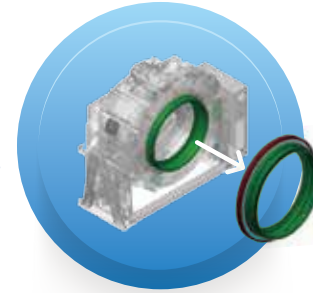
Avoid the misoperation and easy start



Efficient, Stable, Durable

High Precision Bearing

Zero Error and Zero Runout under High Speed Rotation
Achieve Military and Aerospace Level Requirements
Long Service Life and Excellent Stability



The Integrated Casting of Stator and Rotor

Minimum Vibration During Rotation
Minimum Deformation During Rotation



Thermal Airflow Isolation Design

Improve Heat Dissipation Efficiency
Extend the Life of Detector
Ensure the Image Quality

Eco-Green Metal Tube

High efficiency metal tube
Advanced NanoDose Iteration
Effective reduction of scanning dose
Longer service life than normal tube

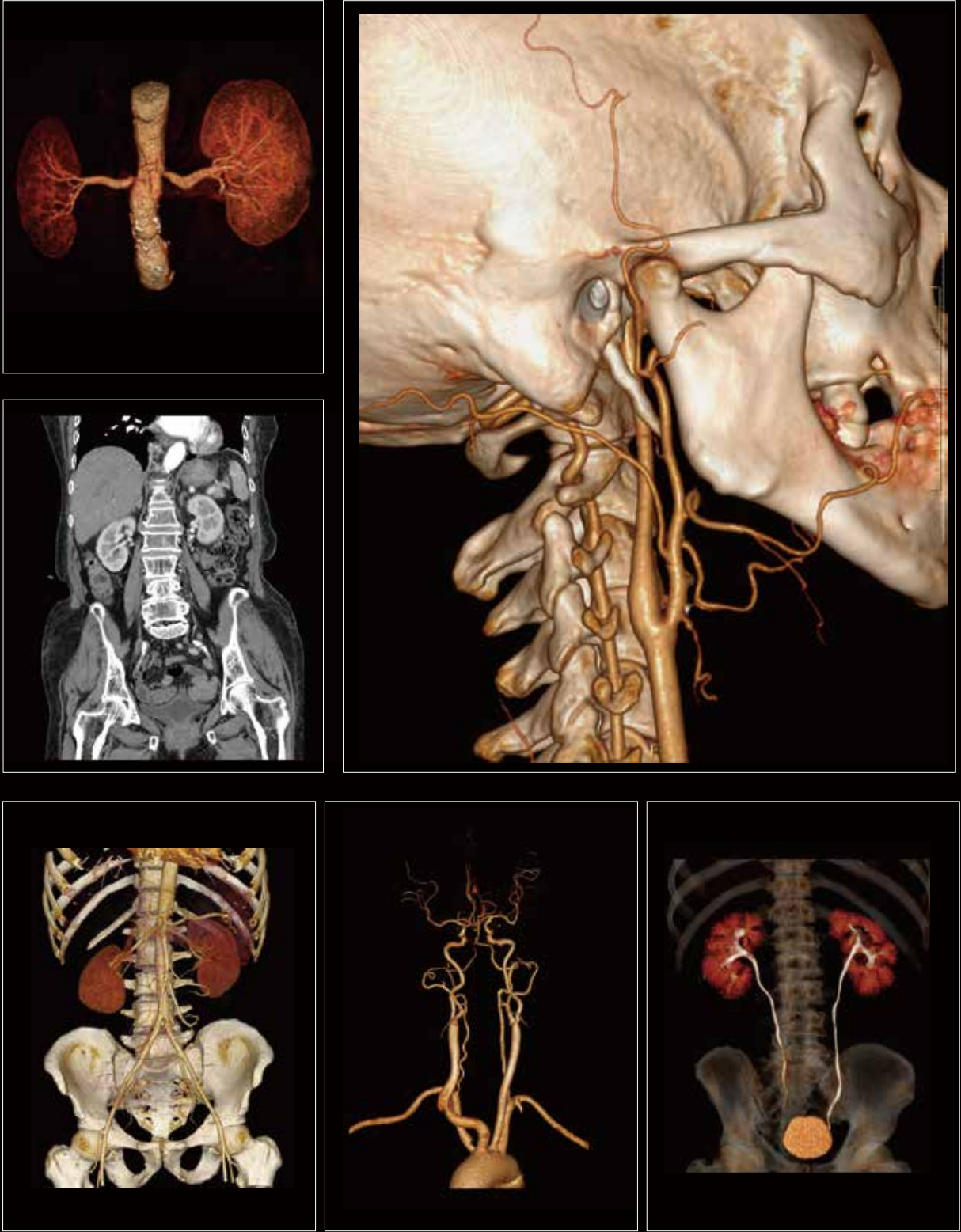
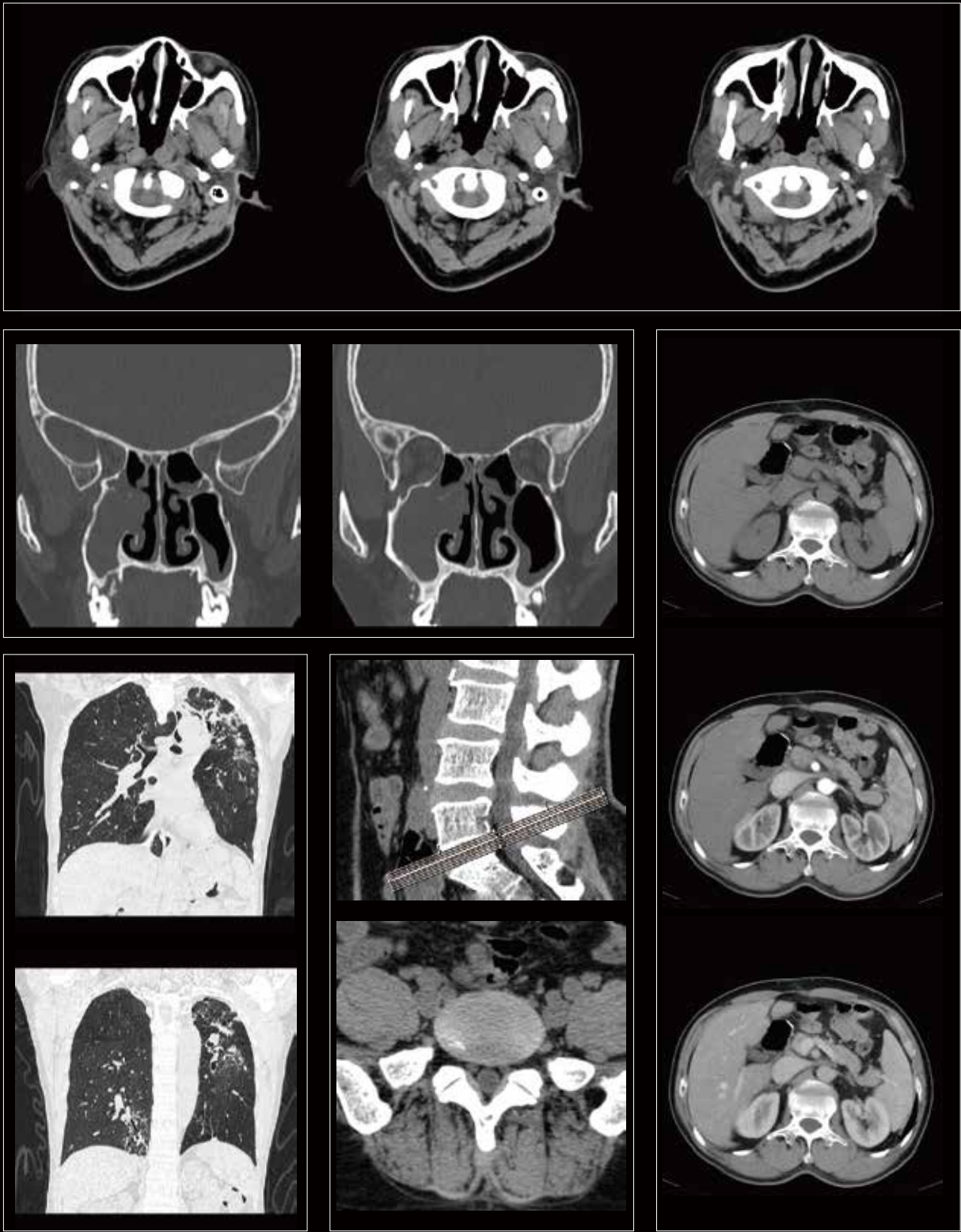


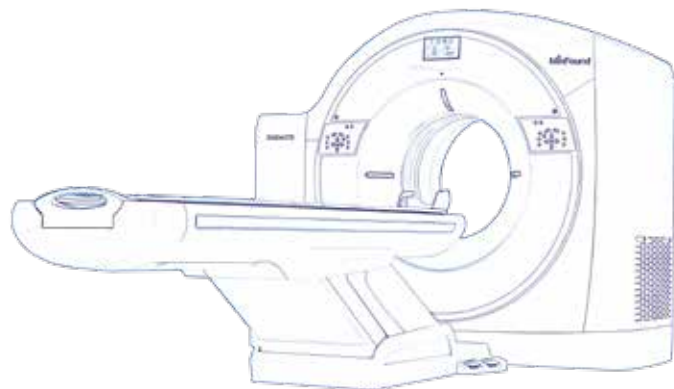
Energy-Saving

Automatically enter the energy-saving mode in the non scanning state



Clinical Application Image





Compassion for Life



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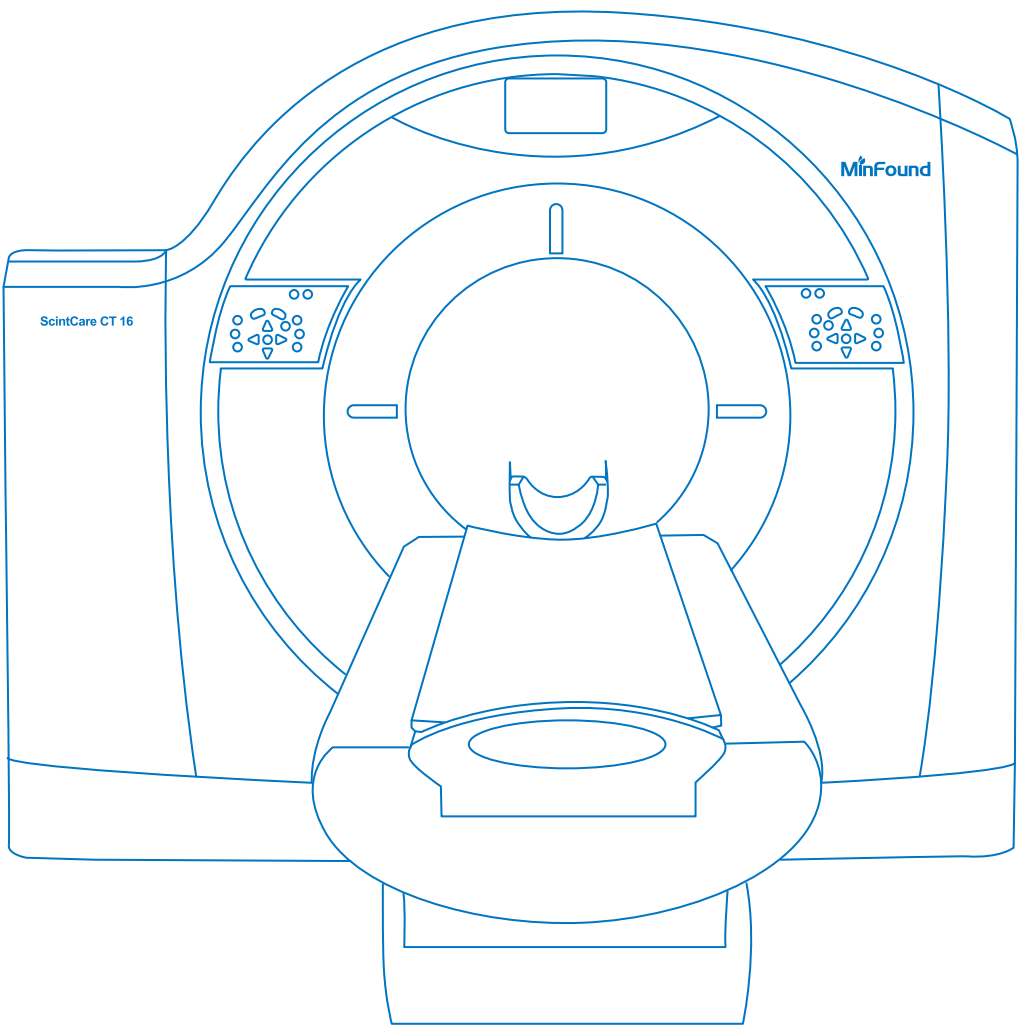


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**Precision Image
32–slice CT**

ScintCare CT 16

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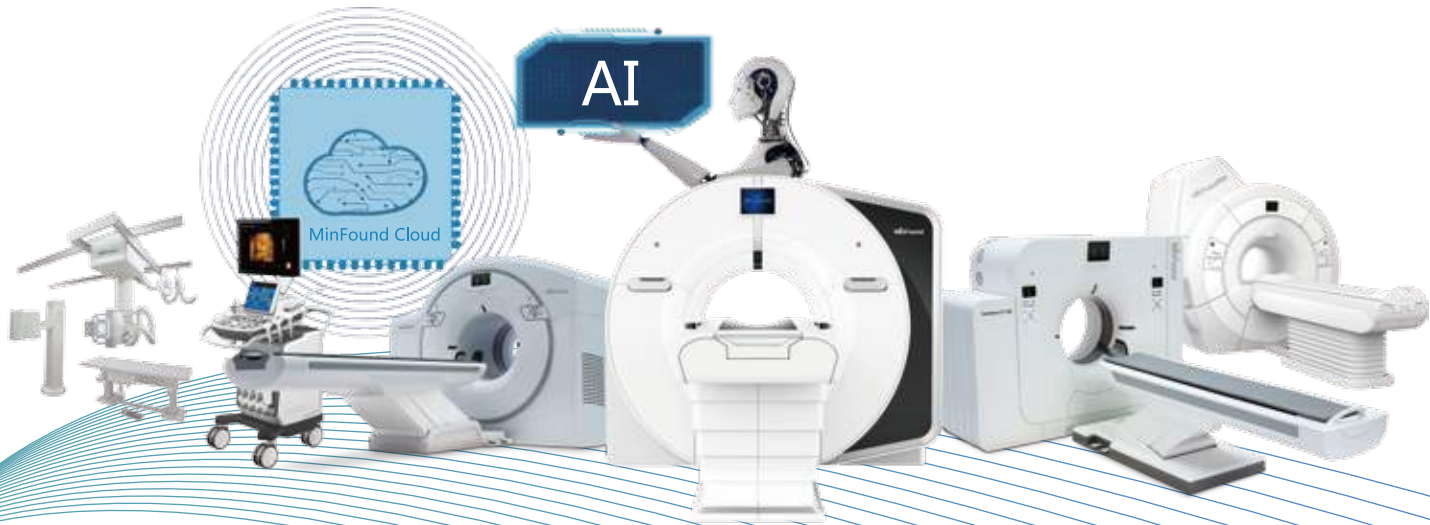
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High-Resolution Image ScintiStar Detector



New Detector
Better Image



Low Dose
AI Iteration



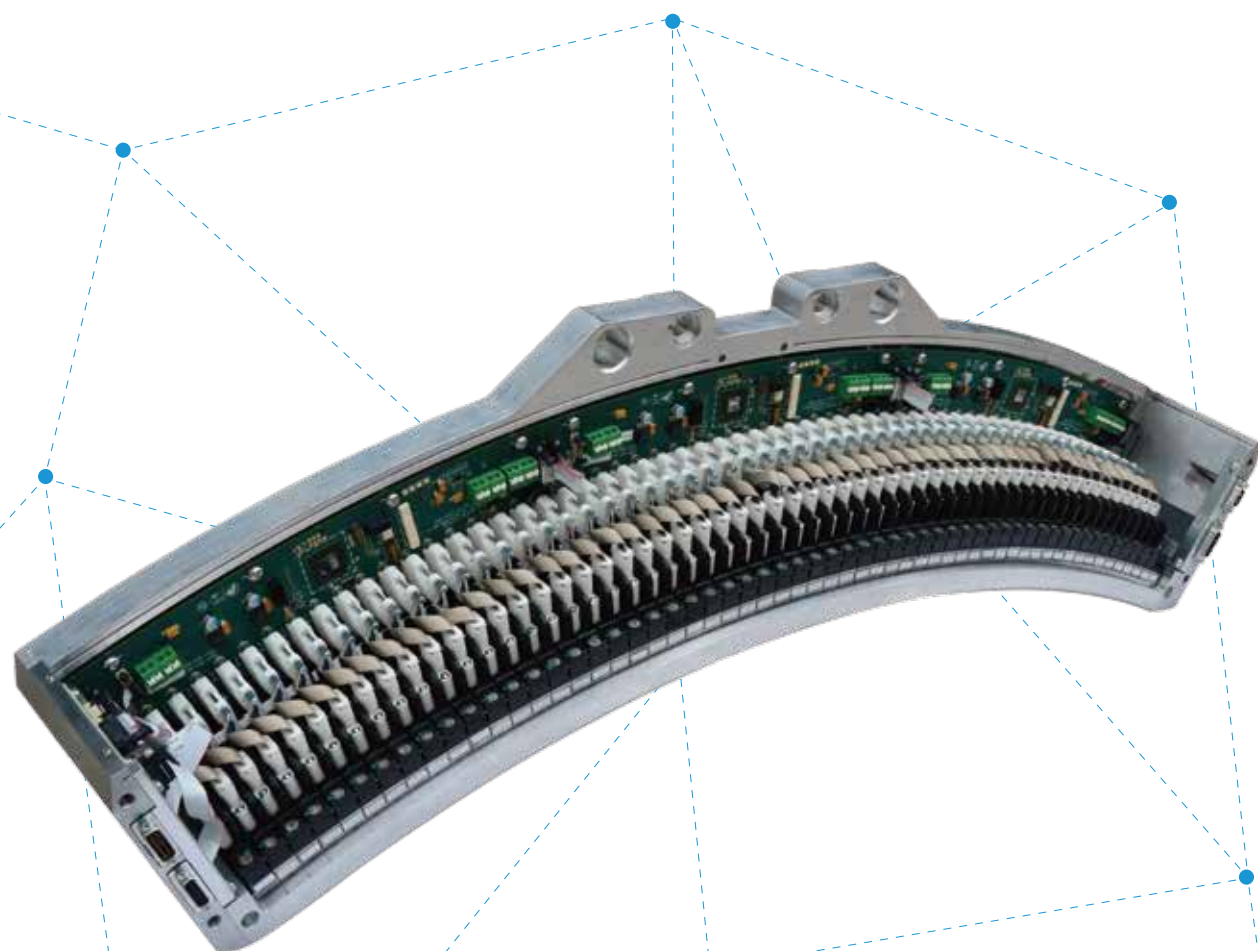
Optima Design
System Stability



A high-end 32-slice CT with Optimal Resolution

ScintiStar® Detector

Owning the Intellectual Property Rights
New Modular Integrated Detector
High Contrast Resolution MTF0% 21.8lp/cm
24-row and 0.6mm Thickness



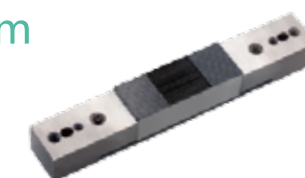
Ultra-high speed rare earth scintillator material

This material increases the quantum detection efficiency, and has a very fast decay time, thus can improve the spatial resolution and produce good image quality even at a lower dose.



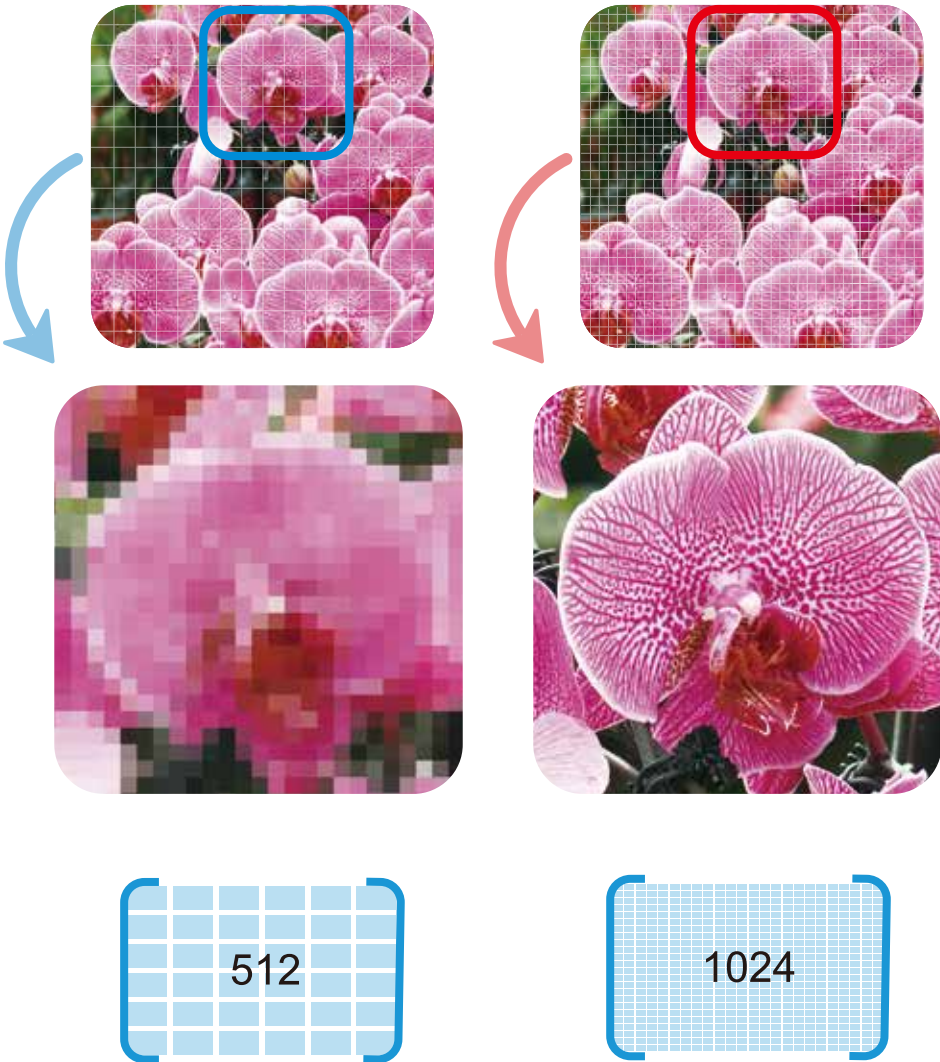
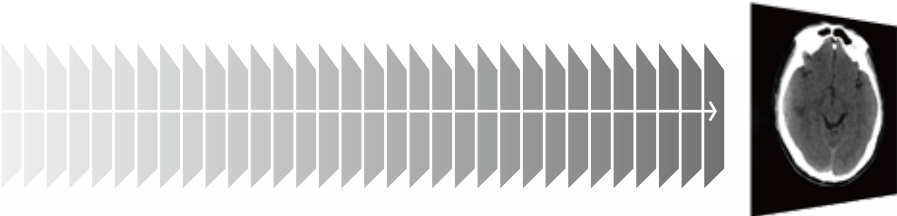
ASG + ASIC design for maximum signal-to-noise ratio

The detector module design is fully integrated and miniaturized to meet important performance parameters: low scatter, low electronic noise, high signal-to-noise ratio, etc.



The Much Information The Better Image

Display Precision Thin Image
With 32-slice Multi-frequency Acquisition Algorithm



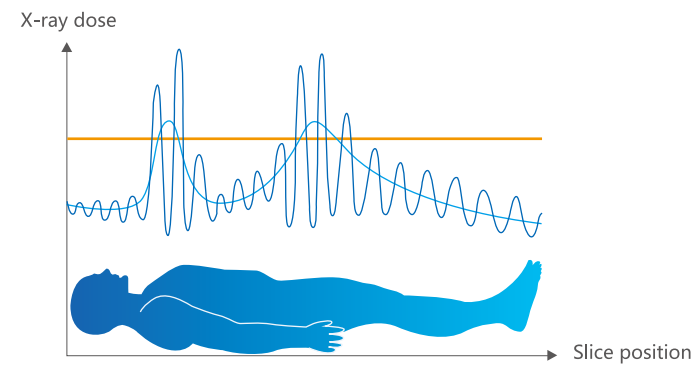
1024×1024 Megapixel

1024×1024 reconstruction matrix can fully display more details of lesions and provide reliable basis for early detection, early diagnosis and early treatment of diseases.

Low Dose Technology

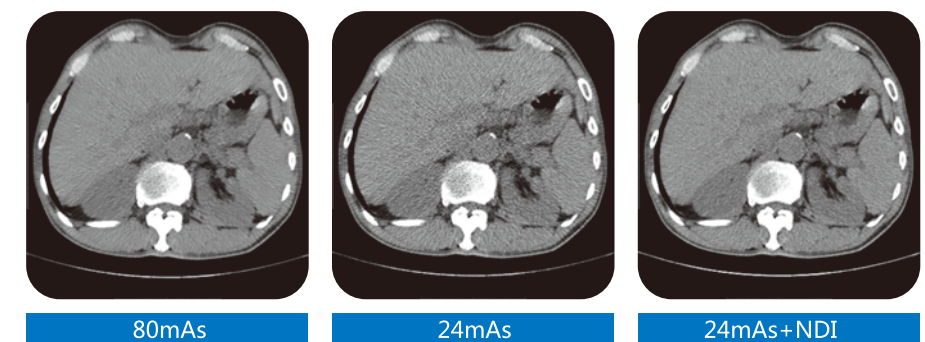
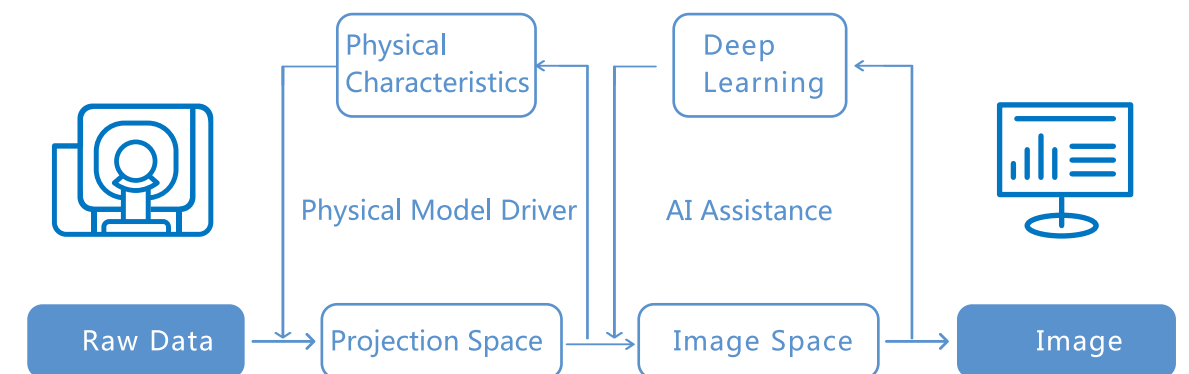
imA (intelligent mA)

The output milliamperes of the x-tube are automatically controlled according to the size of the patients and the scanning position, so as to ensure a more balanced image at each layer, while the patient receives a lower radiation dose.



NDI (NanoDose Iterative)

The raw data is iterated simultaneously in the projection space and the image space. The projection space iteration process integrates the physical characteristics of the X-tube and the detector, and the image space iteration process is based on the deep learning network of the anatomical structure. NDI+ guarantees the image quality at low dose.



Optima Design



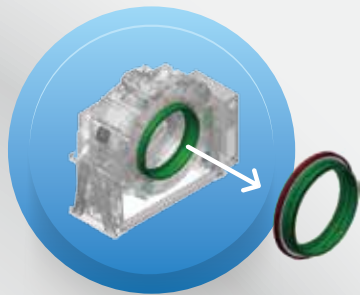
Thermal Insulation Design

Improve Heat Dissipation Efficiency
Extend the Life of Detector
Ensure the Image Quality



The Integrated Casting of Stator and Rotor

Minimum Vibration During Rotation
Minimum Deformation During Rotation



High Precision Bearing

Zero Error and Zero Runout under High Speed Rotation
Achieve Military and Aerospace Level Requirements
Long Service Life and Excellent Stability



Multi-point Temperature Control Technology

Automatically Monitor the Temperature
Ensure the Stability of System Operation

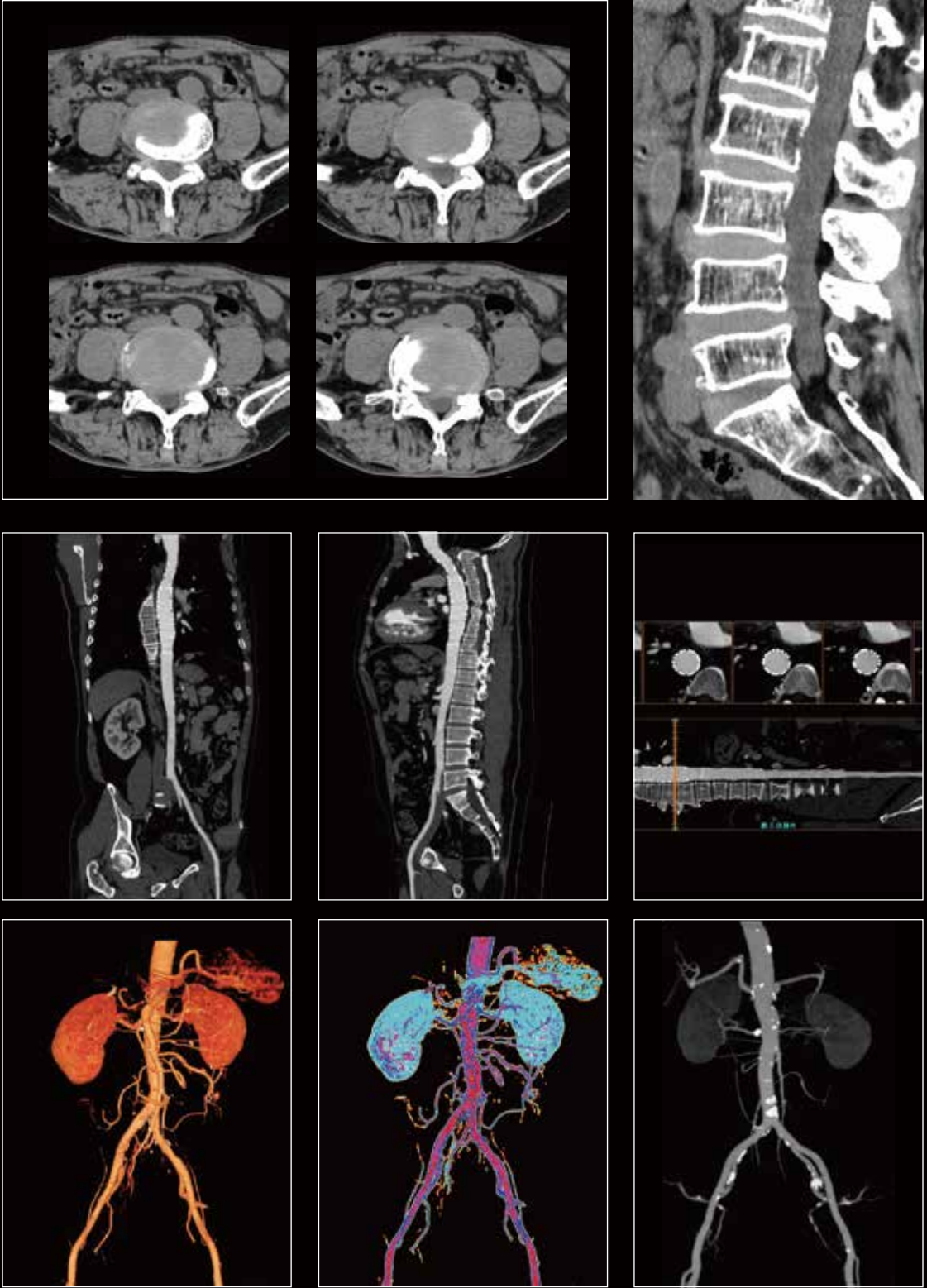
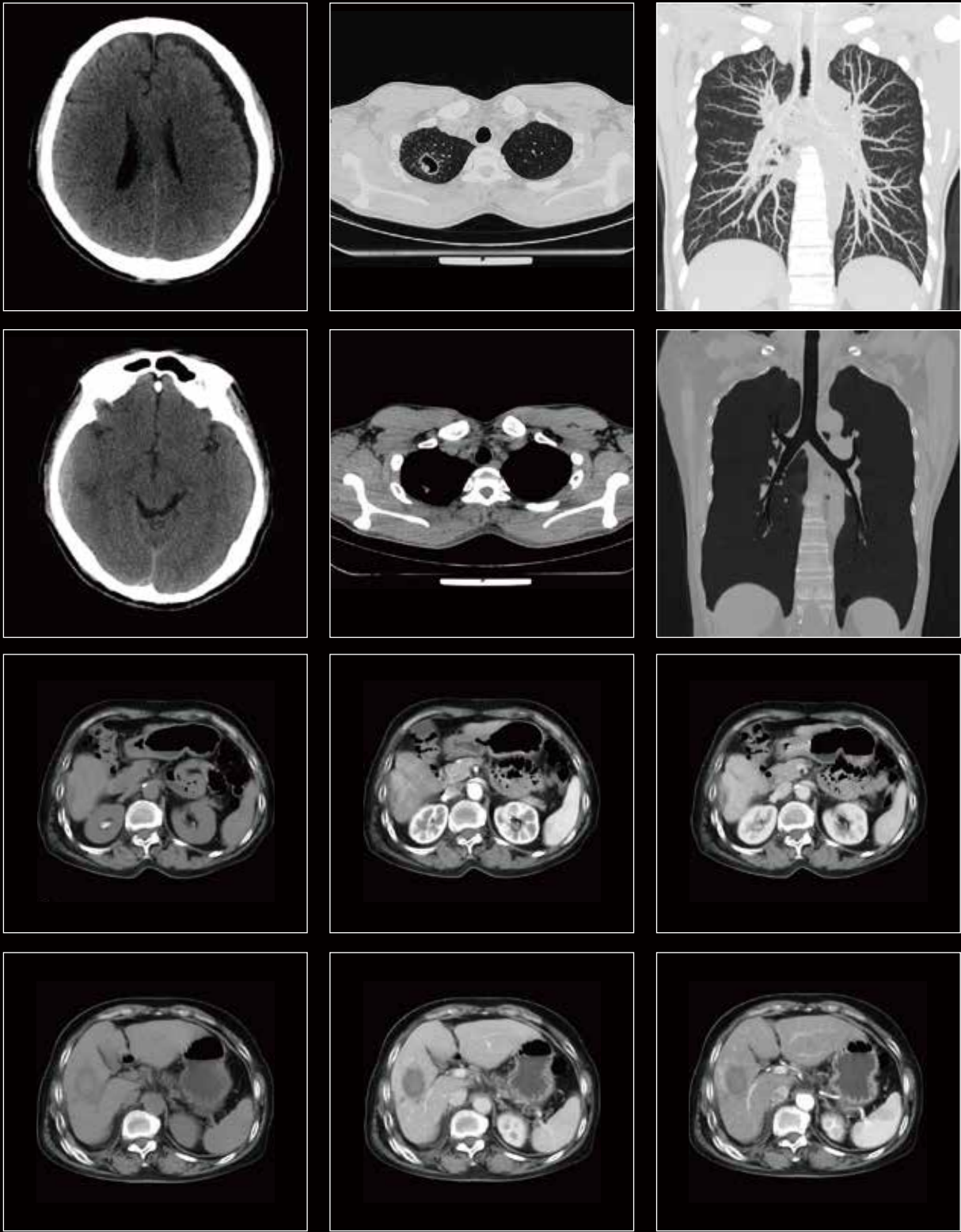


One Side Integrated Control

Optimize System Control Layout
Improve Systematic Process Flow
Ensure Product Quality and Stability
Improve After-sales Maintenance Efficiency



Clinical Application Image





Compassion for Life



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PEACE & HEALTH

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SCINTCARE CT 16

High-end 16-slice CT
with Optimal Resolution

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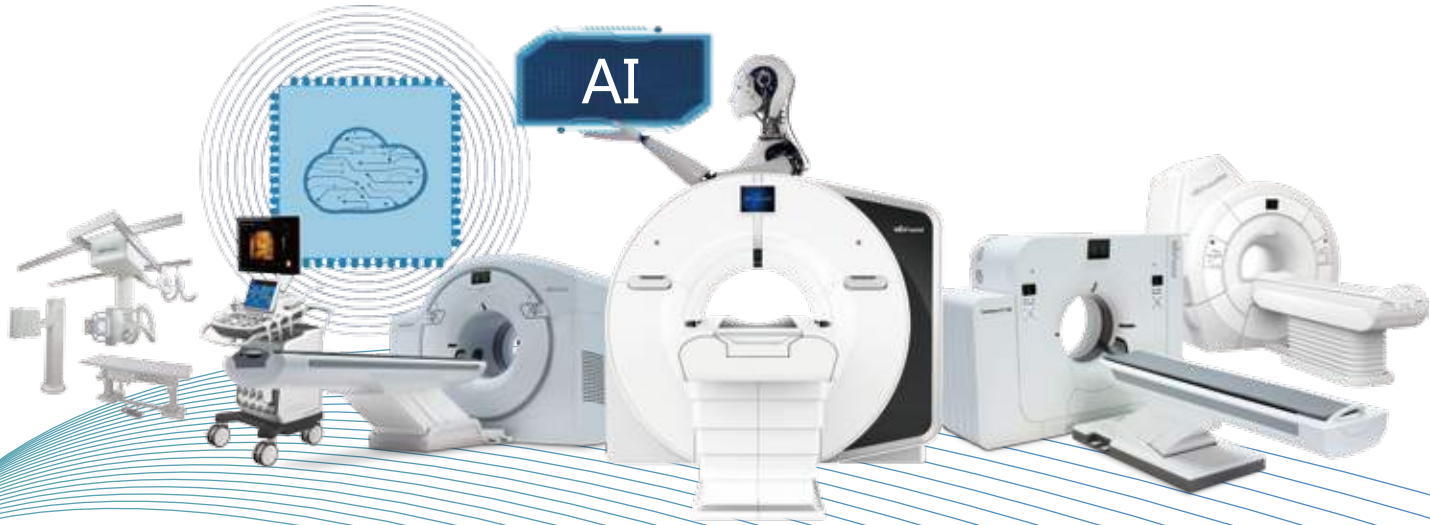
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Professional & Accurate Delicate & Comprehensive



High-Definition



Super-fast Workflow



Low-Dose



Long Service Life



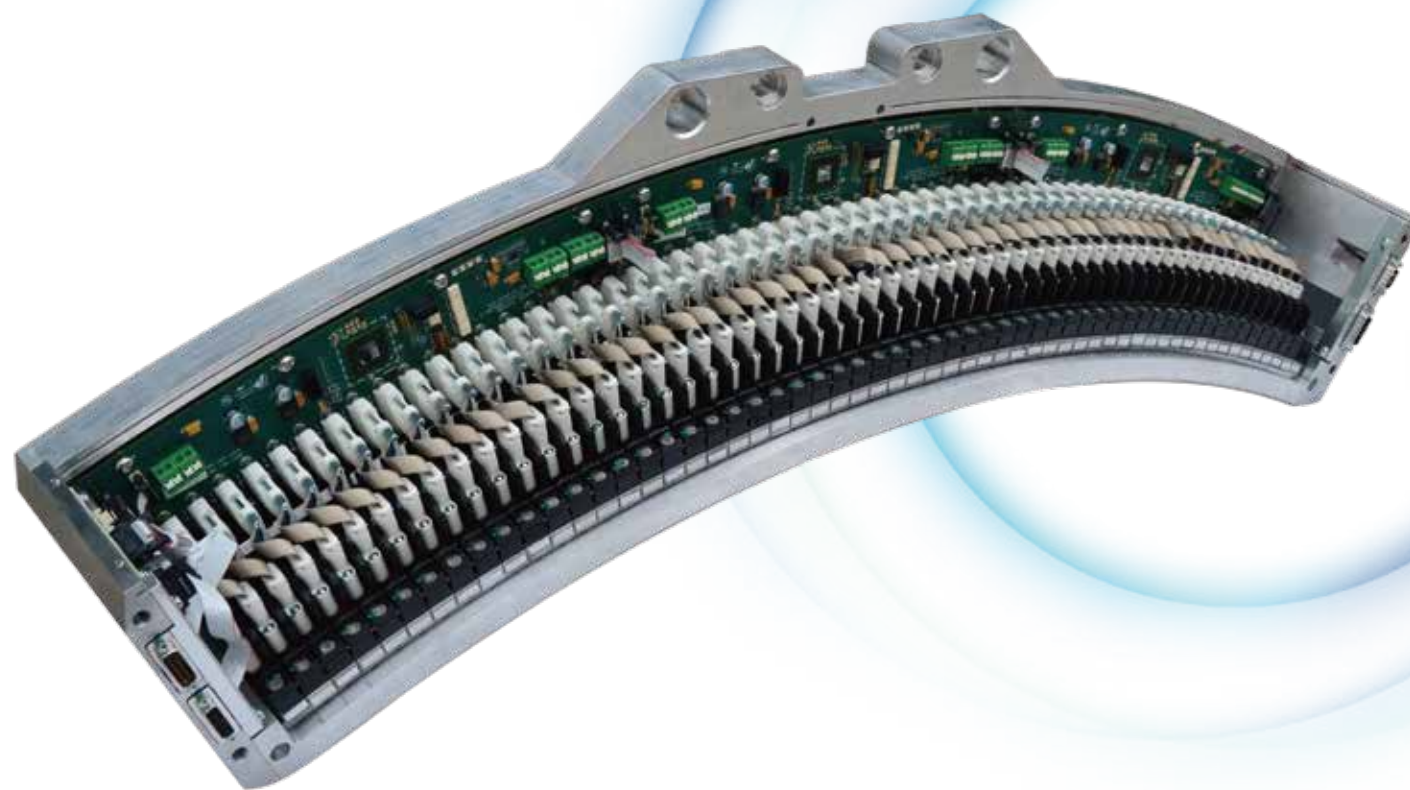
Advanced Application



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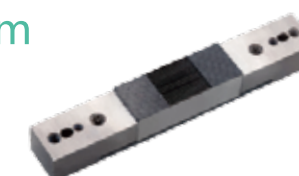
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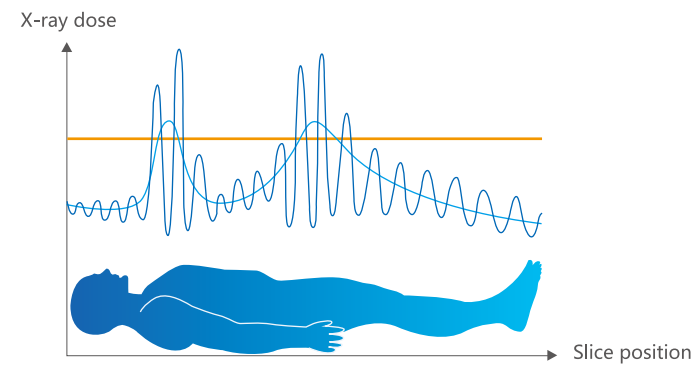


* Option Spec

Low Dose Technology

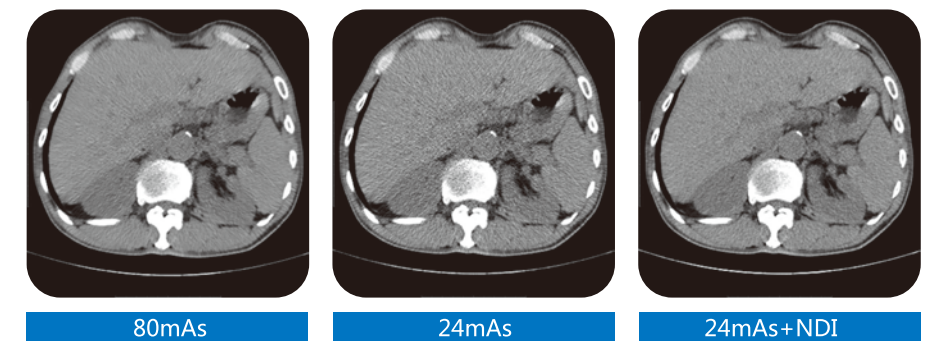
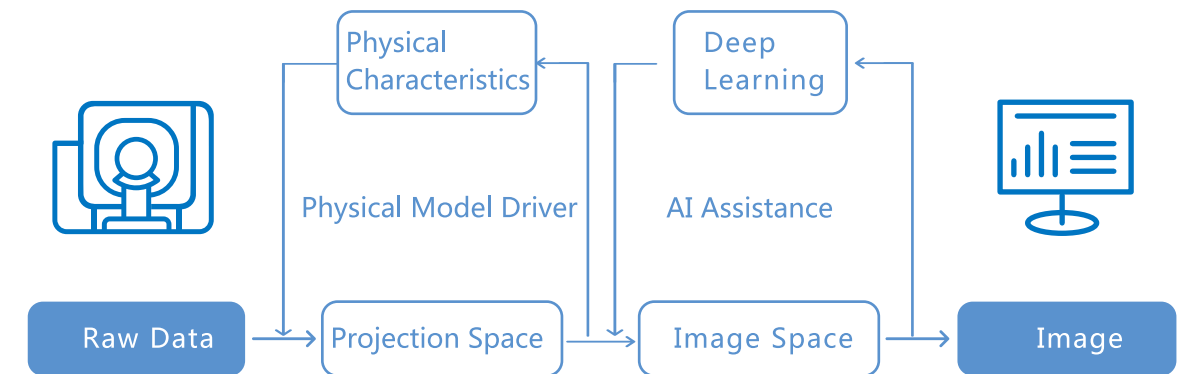
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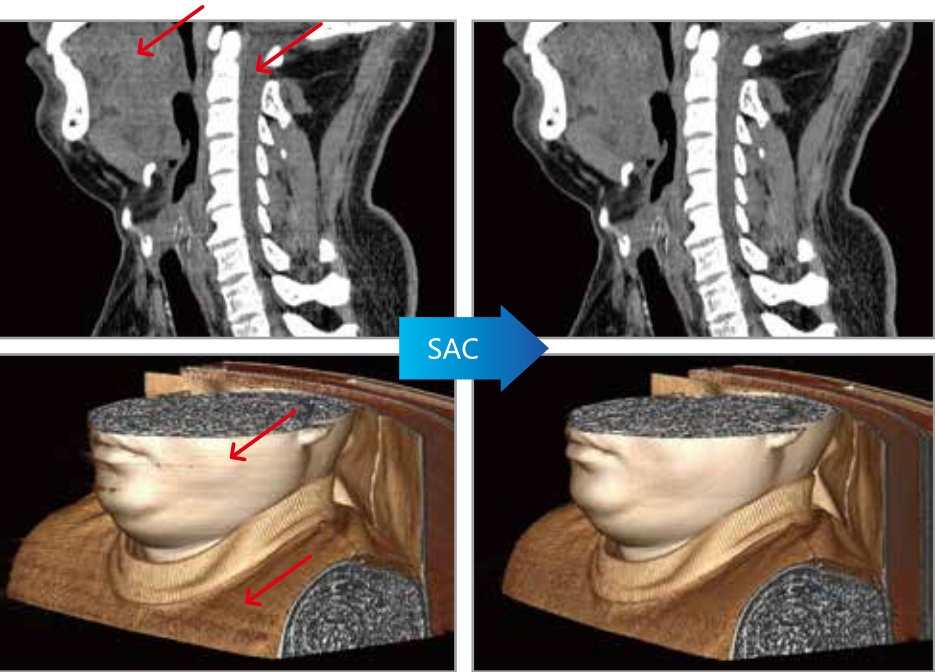
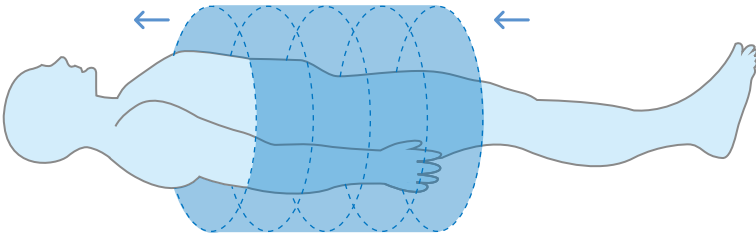
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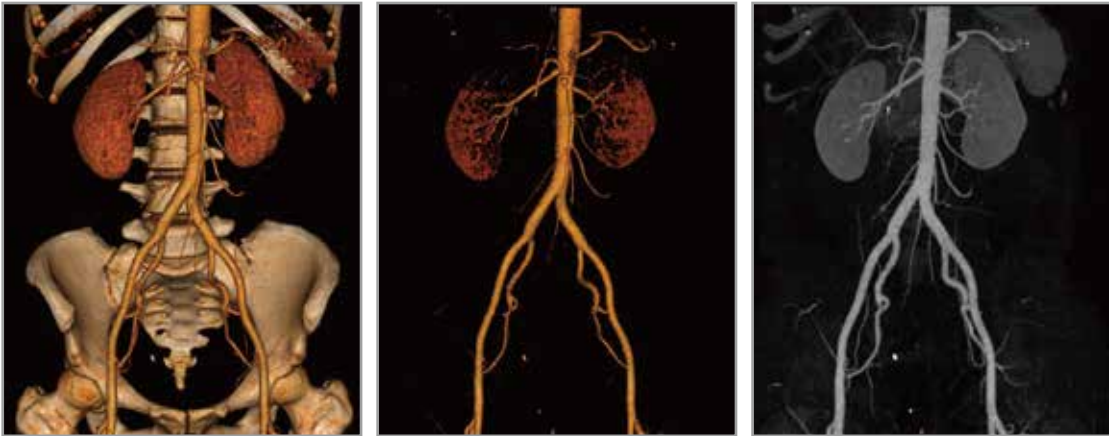


Super-fast Workflow
One-key Intelligent Scanning

Large Pitch Spiral Scanning With SAC Technology



High-speed Reconstruction System

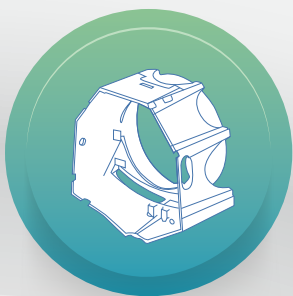


Optima Design



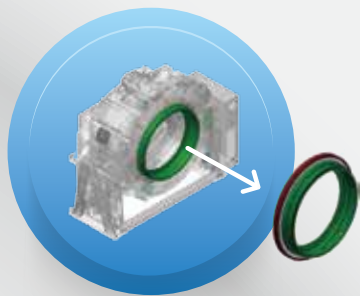
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Improve Heat Dissipation Efficiency
Extend the Life of Detector
Ensure the Image Quality



The Integrated Casting of Stator and Rotor

Minimum Vibration During Rotation
Minimum Deformation During Rotation



High Precision Bearing

Zero Error and Zero Runout under High Speed Rotation
Achieve Military and Aerospace Level Requirements
Long Service Life and Excellent Stability



Multi-point Temperature Control Technology

Automatically Monitor the Temperature
Ensure the Stability of System Operation

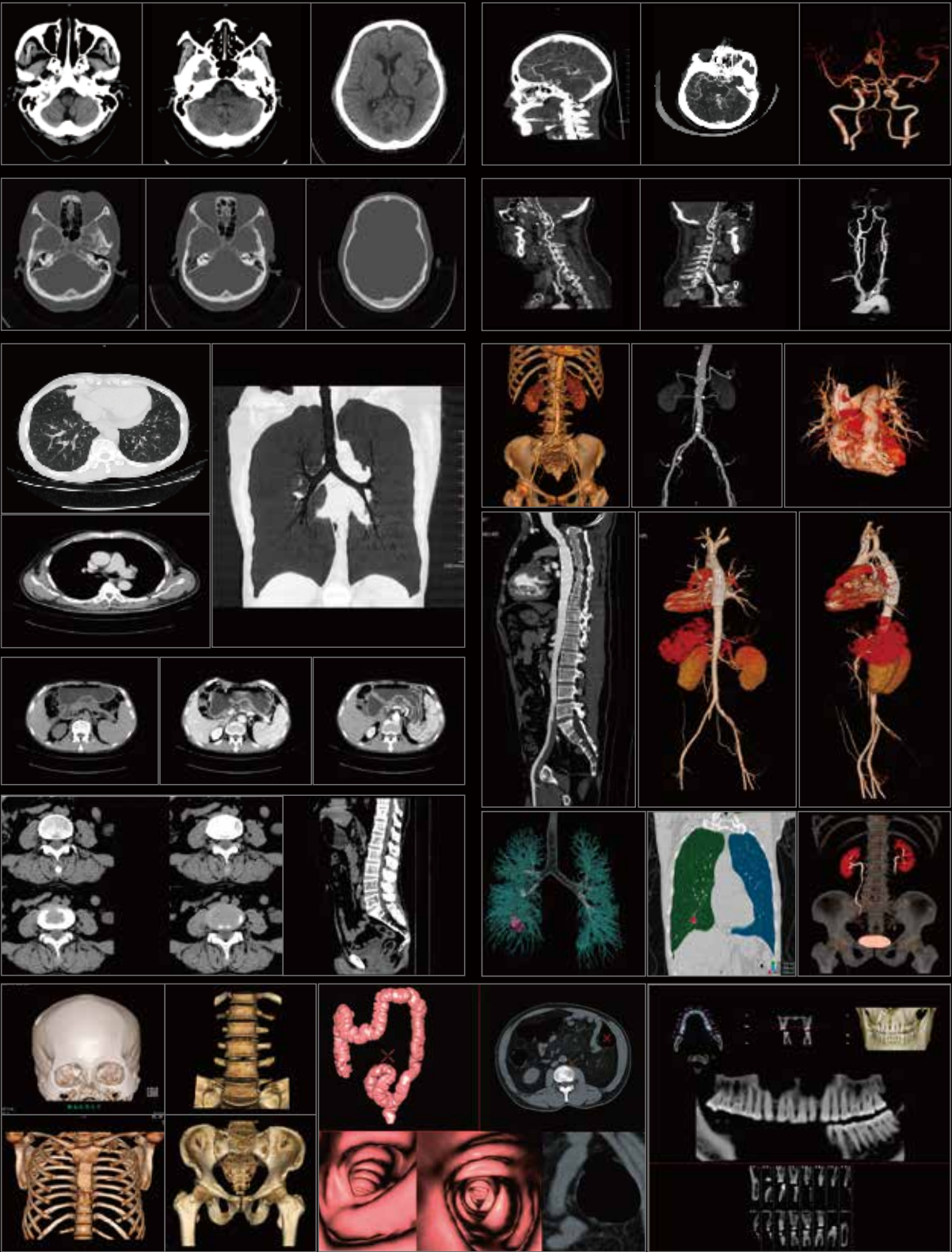
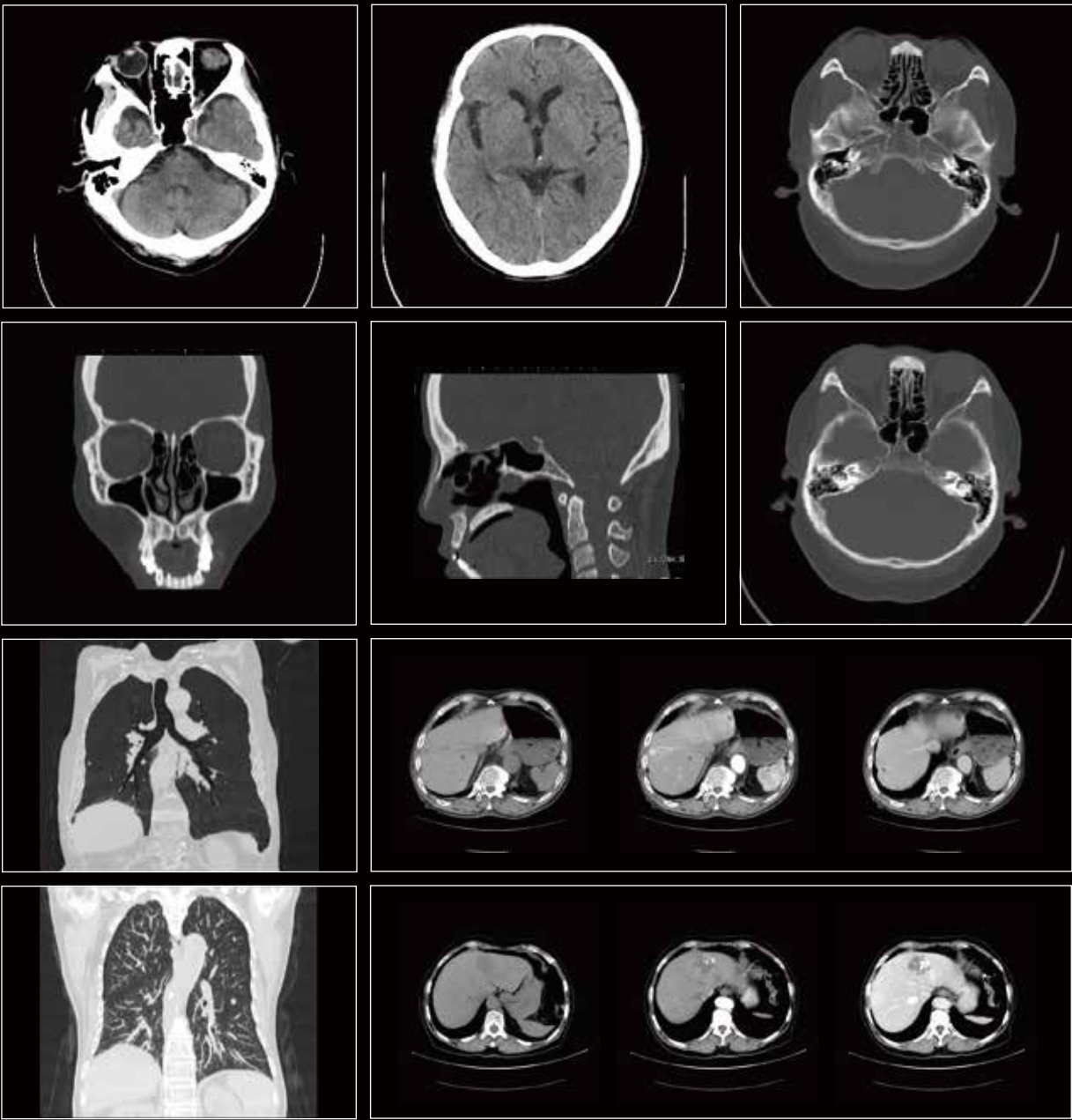


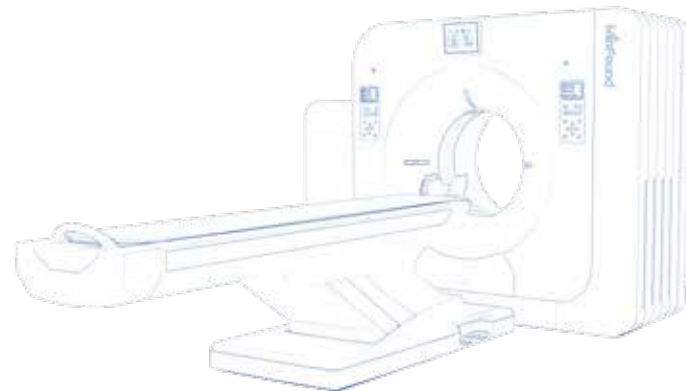
One Side Integrated Control

Optimize System Control Layout
Improve Systematic Process Flow
Ensure Product Quality and Stability
Improve After-sales Maintenance Efficiency



Clinical Application Image





Compassion for Life



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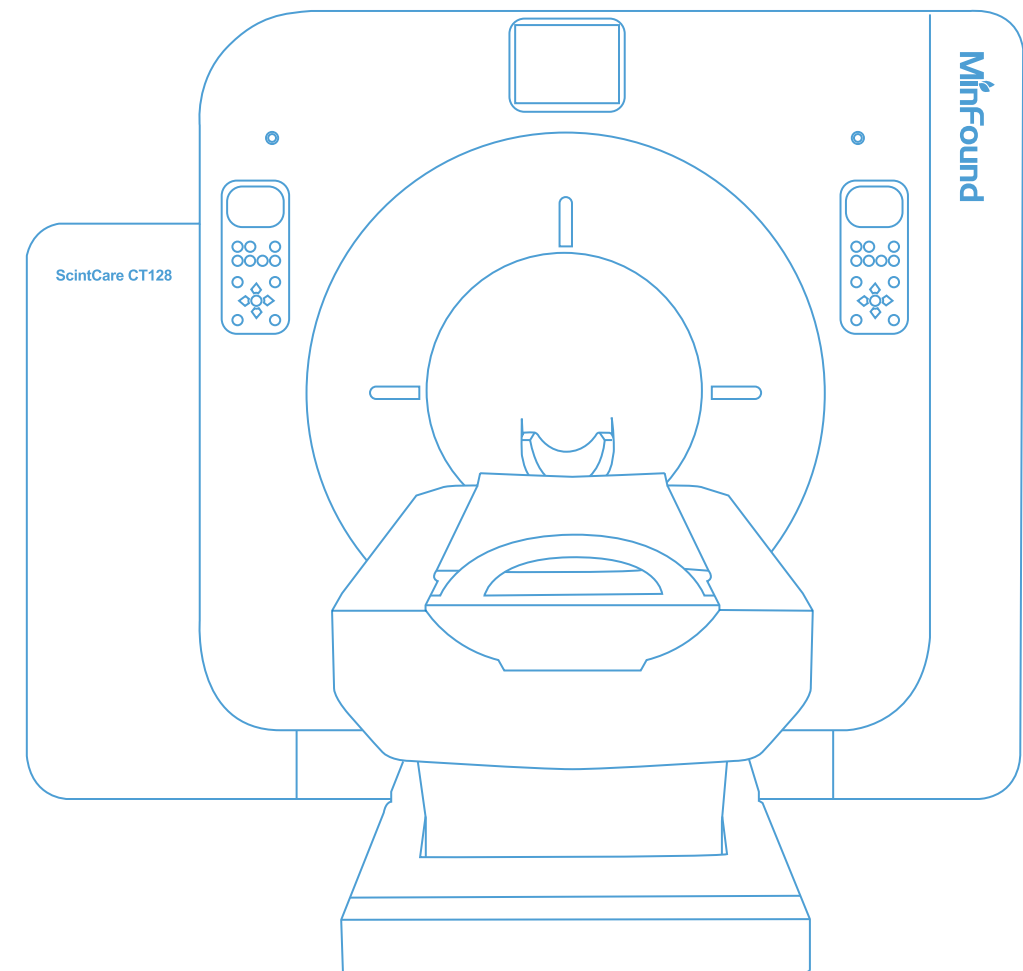
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MinFound Medical Systems Co., Ltd.

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Version: Minfound-ScintCare CT128-EN-201911

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SCINTCARE CT 128

About MinFound

Established in 2011, MinFound Medical Systems Co., Ltd. is a X-ray Computed Tomography (CT) and Positron Emission Tomography (PET) manufacturer with head-quarter in Hangzhou, China. FMI is headquartered in Solon, Ohio and is a fully owned subsidiary of MinFound Medical Systems Co., Ltd. In China, there are also Research and Development Centers in Zhongshan and Dalian.

The FMI Operations in the US has been focusing on Research and Development and designing high-end medical imaging equipment in collaboration with the Research and Development team at MinFound. Together we have successfully developed CT and PET/CT Systems. MinFound has successfully obtained the CFDA Clearance and has been selling the CT and PET/CT Systems in China. FMI is successful of obtaining FDA Clearance for the CT Systems with plans of establishing manufacturing operations in Solon, Ohio for producing systems for the global market.

With our company's core value of "Compassion For Life", we are focused on humanity and are striving to deliver excellent medical imaging equipment and services to aid in the health and quality of life for patients around the world.

World Leading Medical Products and Solutions Supplier

Compassion for life



MinFound is always attentive to what you need and strives to deliver solid and affordable products and solutions to patients all over the world.



MinFound has been driven by innovation, dedicated to developing state-of-the-art products to obtain precise images to enable the very early-staged diagnosis.

MinFound Patented Technology Empowers Acquiring High-Definition Images with Less Radiation Dose.



Key Features

- ScintiStar Detector
- 3D-MAT
- NDI +
- ECG-Mod
- 1024X1024 Matrix

ScintiStar Detector

MinFound ScintCare CT 128 utilizes the state-of-the-art ScintiStar Detector which is well-known as one of the key component of a CT system.



The features of the versatile ScintiStar detector are:

- Designed and developed by the top-notch scientist team
- Made of rare earth ceramic scintillator
- 64-row and 40mm width design





Q-Enhance Technology

Q-Enhance technology is realized by modifying the structure of material to increase the X-ray utilization fundamentally and therefore improves the image quality.



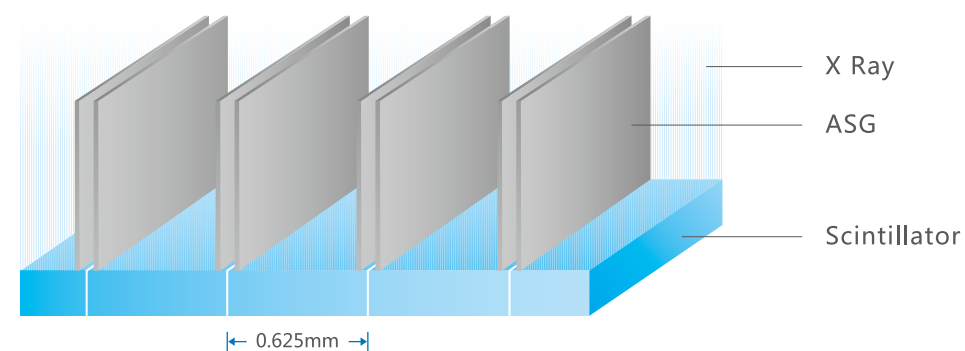
The high-precision cutting process makes the space between material $85\mu\text{m}$ only and meantime the inserted reflective material will reflect the visible lights effectively which not only prevents the signals of the parallel rows from interfering each other but also increase the X-ray transforming rate. These two features improve the geometrical efficiency up to 99% and display more details of the images.



DNR Engine

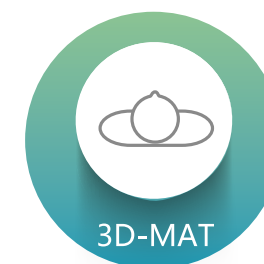
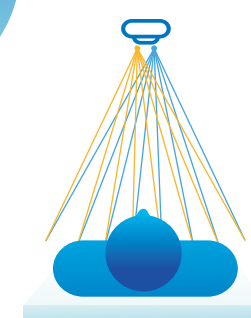
ScintCare CT 128 is equipped with 256-channel ASIC chip to transmit the signals to reduce the noise and increase the SNR.

256-channel ASIC chip features more efficient data processing capability with less digital noise to make the signal transmitting path faster and further to enable to display the basic anatomical information.



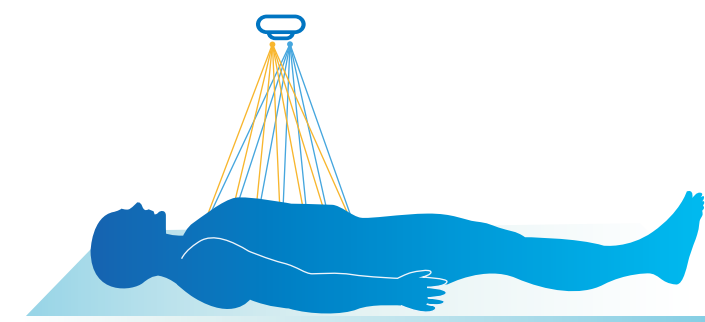
EAA Design

Other than the traditional ASG, each ASG used in ScintCare CT 128 is divided into two discrete grids which will prevent the grids from slanting effectively. The slant grid is usually caused by the temperature shift during operation which will lead to the artifacts eventually.



3D-MAT

3D-MAT enables the tube focal spot sampling information at the X-Y dimension and Z direction as well. The technology will be beneficial to more detailed information on the perspective of anatomical structure.

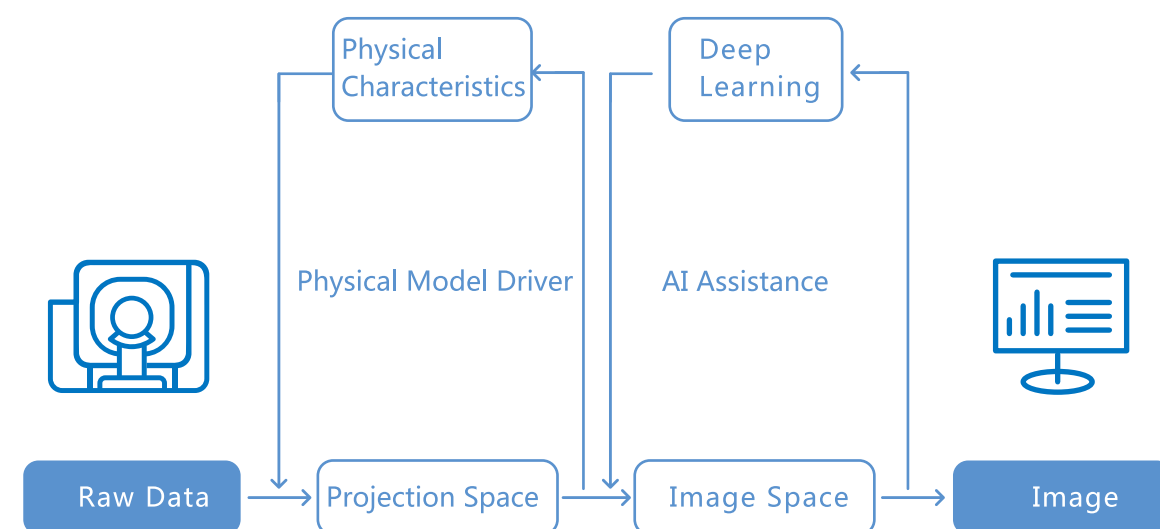




Low-dose Guard Health

NDI⁺

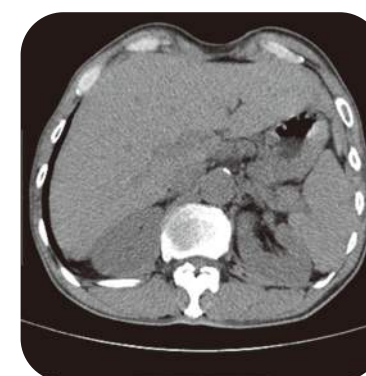
The raw data is iterated simultaneously in the projection space and the image space. The projection space iteration process integrates the physical characteristics of the X-tube and the detector, and the image space iteration process is based on the deep learning network of the anatomical structure. NDI⁺ guarantees the image quality at low dose.



80mAs



24mAs



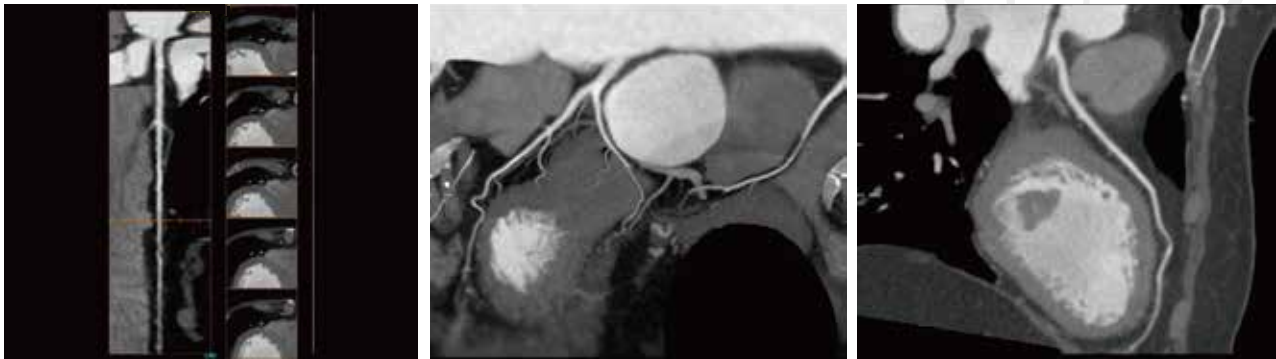
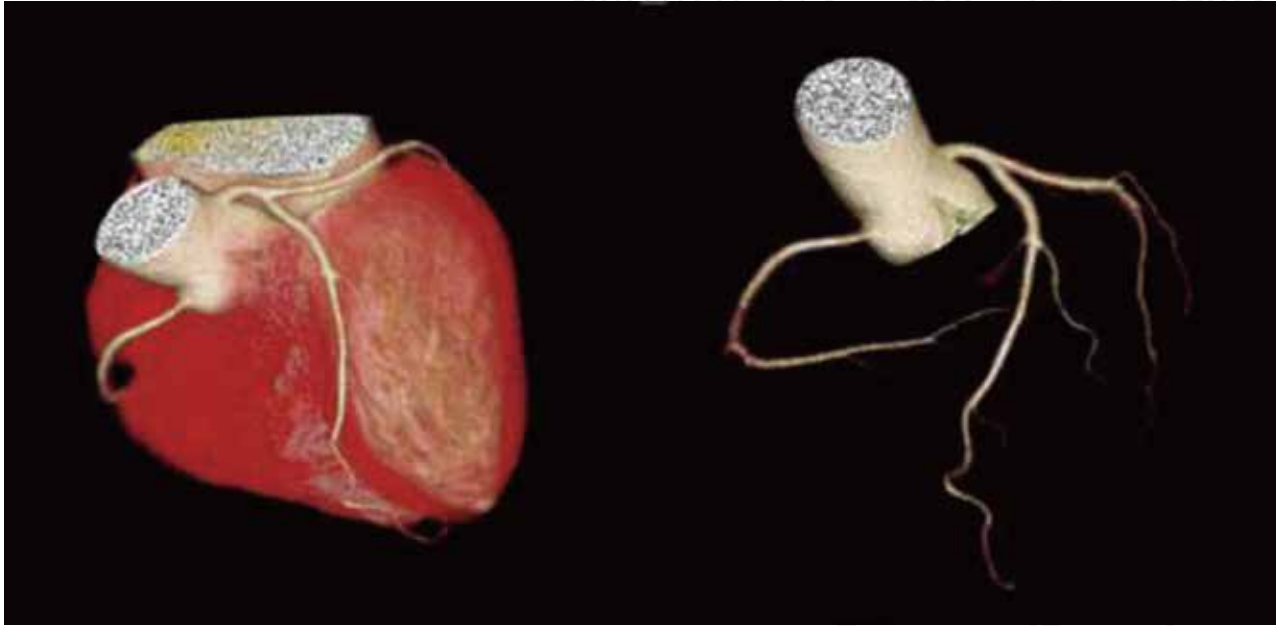
24mAs+NDI⁺

ECG-Mod Coronary Dose Adjustment

Through retrospective ECG gating technology and intelligent mA technology, the X-tube current during cardiac scanning is adaptively adjusted, and the radiation measurement is significantly reduced by 65%.

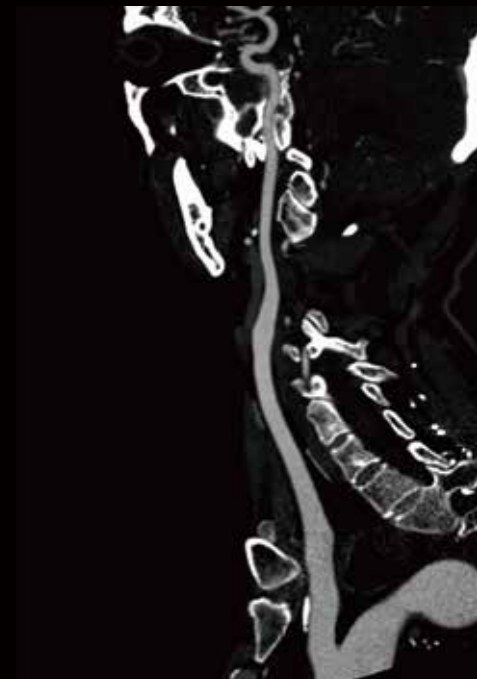
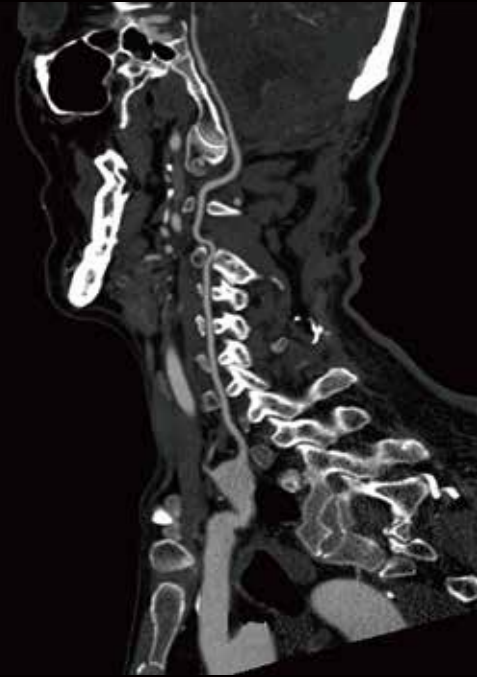
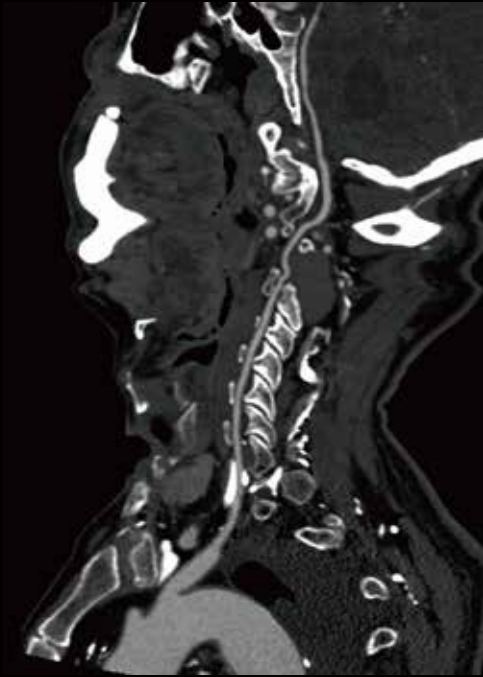


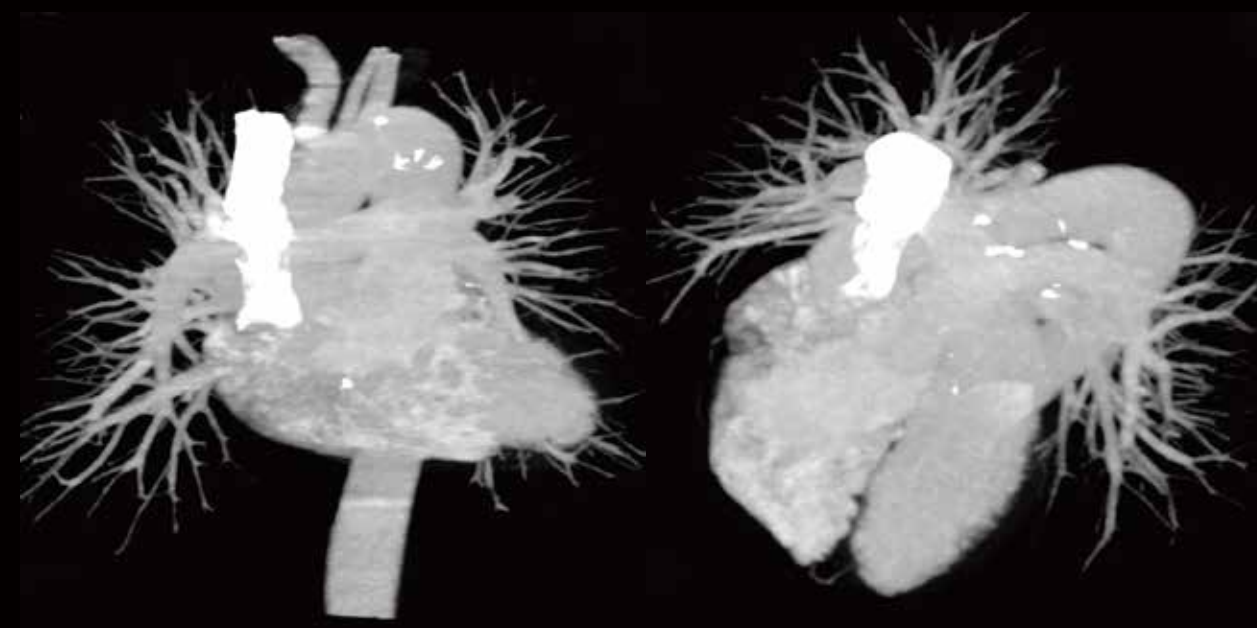
Coronary Artery Image

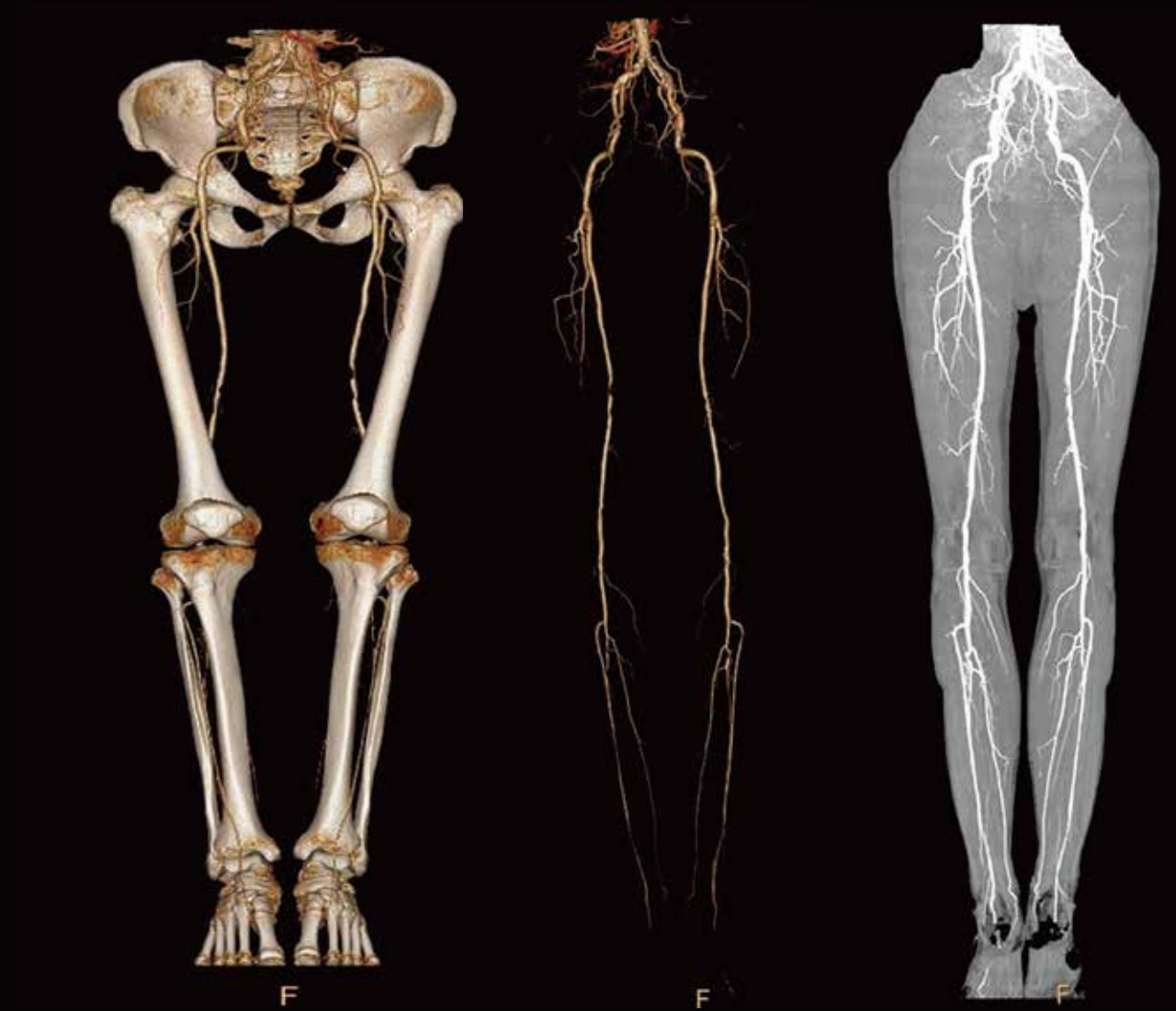


High Definition Image



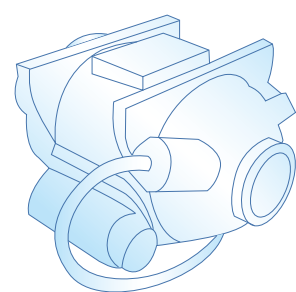






High-end Hardware System

Stable, Reliable and Durable

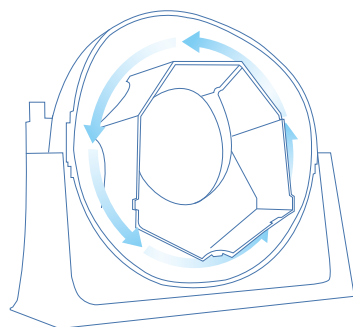
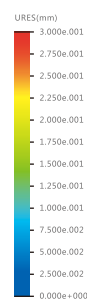
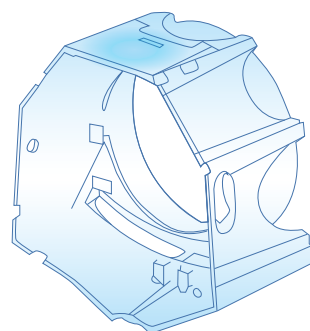


Anode Heat Storage Capacity : 8.0MHU
HV Generator Power Rate : 80KW
Meet clinical needs for fast, wide range, long time scanning.

The Integrated Casting
of Stator and Rotor

During Rotation

- Minimum Vibration
- Minimum Deformation



Thermal Isolation Design

The service life of the detector is greatly extended and the image quality attenuation of the equipment is reduced

UI & Workflow

- User-focused design to operate easily
- The comprehensive function fit users' needs
- Human-centered design for customized protocols



MinFound Cloud Solution

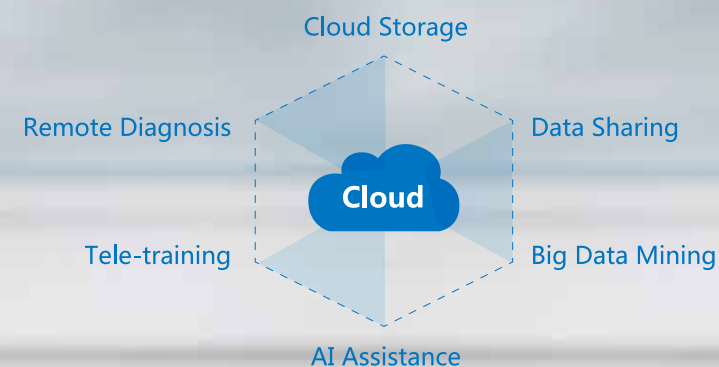
Cloud Diagnosis

Famous radiologists diagnose through remote image diagnosis solution, improving primary hospital diagnosis ability.



Cloud Storage

MinFound Cloud storage is safe, stable and able to save much cost: payable based on requirement; it saves equipment purchasing and operation cost.

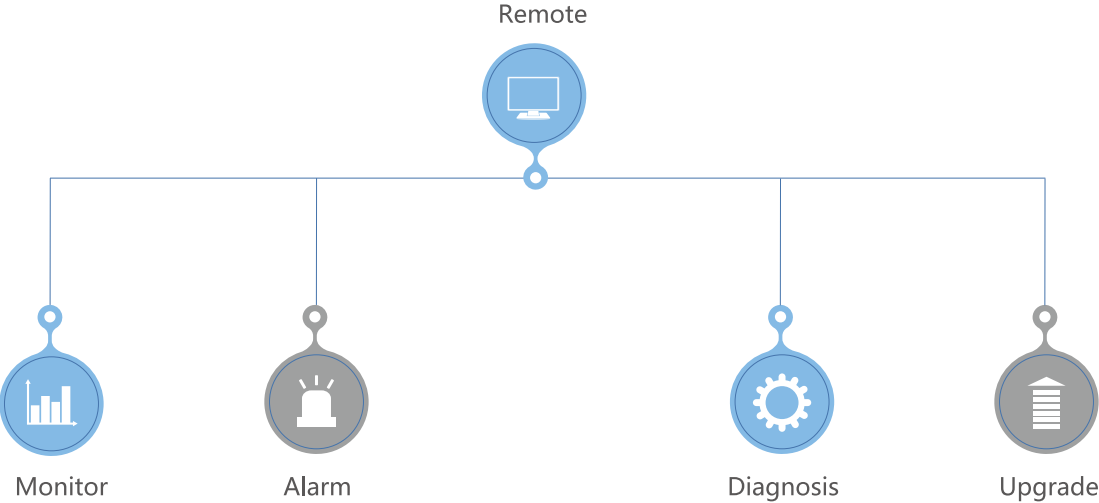


Global After-sales Service

Attentive, Quick and Professional. Leave you nothing to worry about.

MinFound has been proved as an outstanding success in global market.

Automatic Fault Warning Function



Remote Service System

It remotely monitors equipment condition, diagnoses malfunctions and upgrades software.



Hot-line:
+86 400 035 8898

Wechat Official
Accounts

24 Hrs Engineer
Online Reply

Mobile Application
(IOS/Android)