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Shenzhen Anke High-tech Co., Ltd

ANATOM 16 HD

Precision Technology Platform

Insight into life

Precision Technology Platform

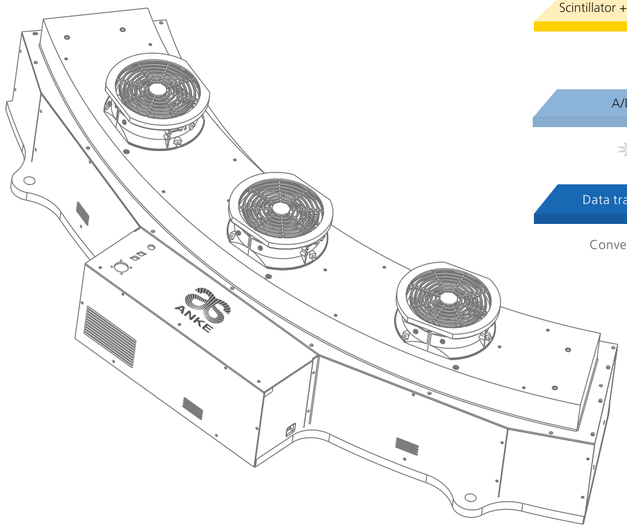
ANATOM 16 HD

Precision medicine is the emerging future of disease diagnosis, treatment and prevention based on individual patient information. Medical imaging technologies, which provide precise diagnosis information, are crucial parts in precision medicine.

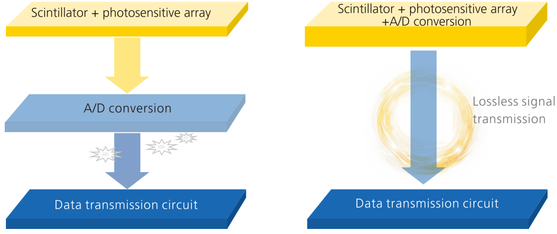
Following the breakthroughs in the medical system development, Anke proudly introduces the creatively designed ANATOM16 HD, as a tool of precision medicine in diagnosis imaging. Via the breakthrough designs in precise hardware, software and imaging technologies, ANATOM 16 HD can provide precise diagnosis information and early detection for small lesions.

Precision Technology Platform

The newly designed ANATOM 32 Fit / ANATOM 64 Fit adopts the world leading technologies inherited from precision technology platform. The latest new generation OptiWave detector and innovative precision fast scanning technology are combined with Admir^{3D} iterative technology to achieve lower dose and lower consumption but higher image quality.



New generation OptiWave detector



*AccuPositioning-intelligent sky-eye positioning system based on AI

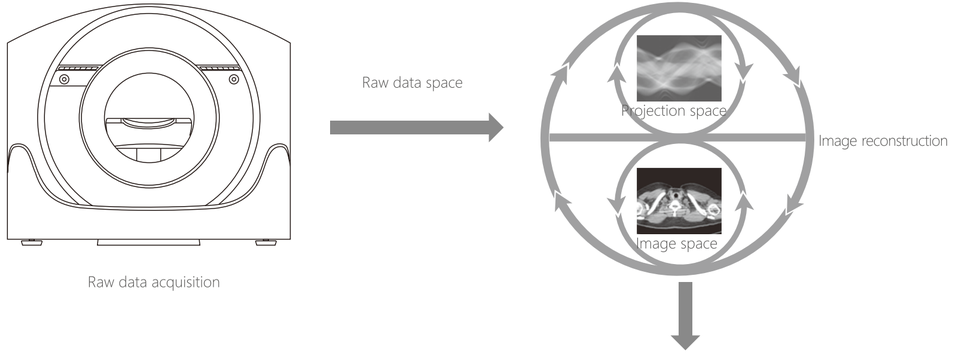
Applying AI deep learning algorithm, sky-eye visual perception intelligently recognize the 3D center of the scan range and automatically aligns it with the isocenter.

With one click, AccuPositioning uses all of this information to automatically center your patient for a completely hands-free positioning experience.

*AI Artifact Suppression

Gantry's built-in camera-"Eagle Eye" allows real-time monitoring of the patient's status, together with the AI-based AccuClear function, and enables intelligent real time image artifact correction.

* optional

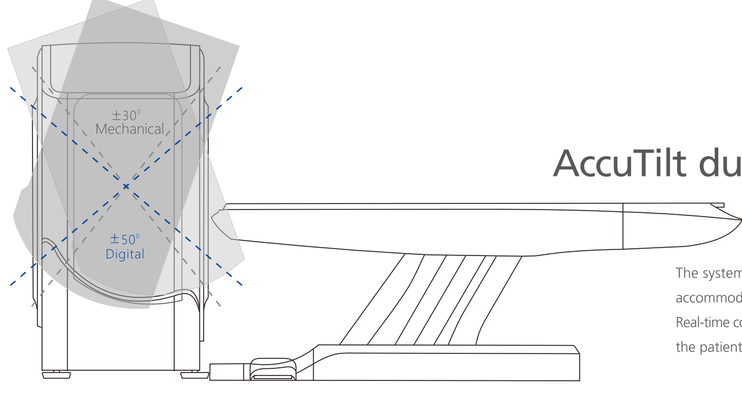


Admir^{3D} iterative reconstruction technology

Admir^{3D} applies mathematical and physics models to accurately construct and describe the signal's quantum characteristics. Iterative operations are performed in the three spaces of raw data, projection and image, to greatly reduce the image noise and achieve optimal image quality with low dose.

Precise hardware, Precise technology, Precise imaging

- New generation OptiWave detector
- High precision gantry control
- Dual-mode gantry tilt
- Admir^{3D} iterative technology
- AccuSpin dual-energy imaging
- 1024 x1024 matrix imaging technology
- High-definition imaging of targeted organs
- Low dose platform
- 3D enhanced VR



AccuTilt dual-mode gantry tilt technology

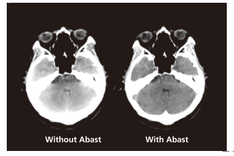
The system provides digital and mechanical tilt to accommodate different user habits and clinical needs. Real-time collision preventing system is available for the patients' safety

AccuOrgan-Targeted organ imaging

To achieve high precision imaging of each part of human body at low dose and low energy consumption

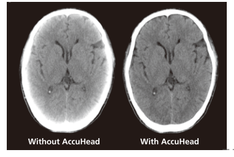
Abast-Bone artifact suppression technology

Abast eliminates the X-ray beam hardening effects to the cerebellum, brain stem and other parts of the brain and clearly shows the structure and leisions of the brain stem and cerebellum.



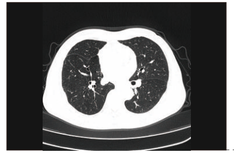
AccuHead-Gray & white matter enhancement technology

AccuHead technology is specifically designed for brain scans to improve the contrast between gray matter and white matter without sacrificing image quality.



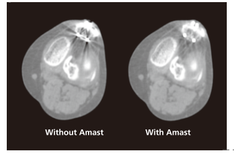
AccuOrgan-High resolution lung imaging

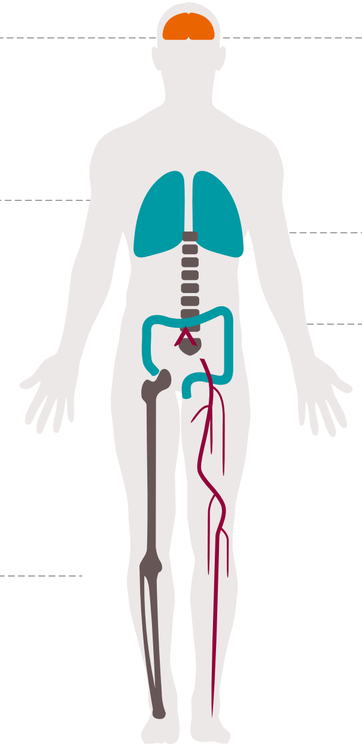
High resolution images of the lung can be obtained at only 30%~40% of conventional radiation dose

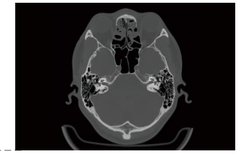


Amast-Metal artifact suppression

Dual-domain iteration is adopted to effectively remove metal artifacts and restore the soft tissue around the metal

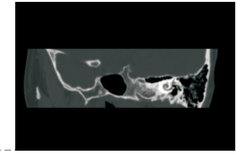






AccuImage-Microscopic imaging technology

1024x1024 matrix to display more details of the pathological changes and provide a reliable information for early detection, early diagnosis and early treatment of the diseases

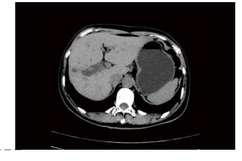


AccuOrgan-Inner ear imaging

Professional high resolution inner ear imaging clearly shows the cochlear vestibular, semicircular canals and other fine anatomical parts, ensuring detection rate of small lesions

AccuBone-High resolution bone imaging

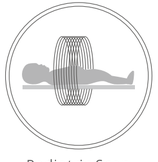
Enhanced bone edge contrast can provide accurate anatomic relationships and show early destruction and cyst of subchondral bone like lesions and articular cartilage calcifications



AccuOrgan-Body high resolution imaging

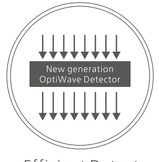
Combined with the AccuImage microscopic imaging technology, AccuOrgan technology can significantly increase the display of fine structure and morphology of the abdomen and provide more accurate images for the early diagnosis of small lesions

AccuDose-Comprehensive low dose imaging

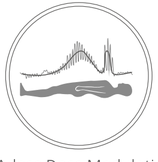

Pediatric Scan Protocol

Individual Dose Monitoring


AccuShape Filter



Efficient Detector


Adose Dose Modulation


AccuSpin

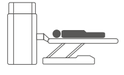
Iterative Reconstruction

Amast


Contrast Agent Tracking Technology

AccuScan-Enjoy ease

Convenient and efficient operation process greatly improve work efficiency to achieve high volume of patients



AccuOrientation

Preset intelligent positioning procedures to enable one-button accurate patient positioning

AccuEmergency

Skip patient registration for emergency scansto save time

AccuScanning

Carefully designed default scan protocols help to get high quality images with ease

AccuTracing

Automatic bolus tracking to trigger the scan for precise scan timing

AccuReconstruction

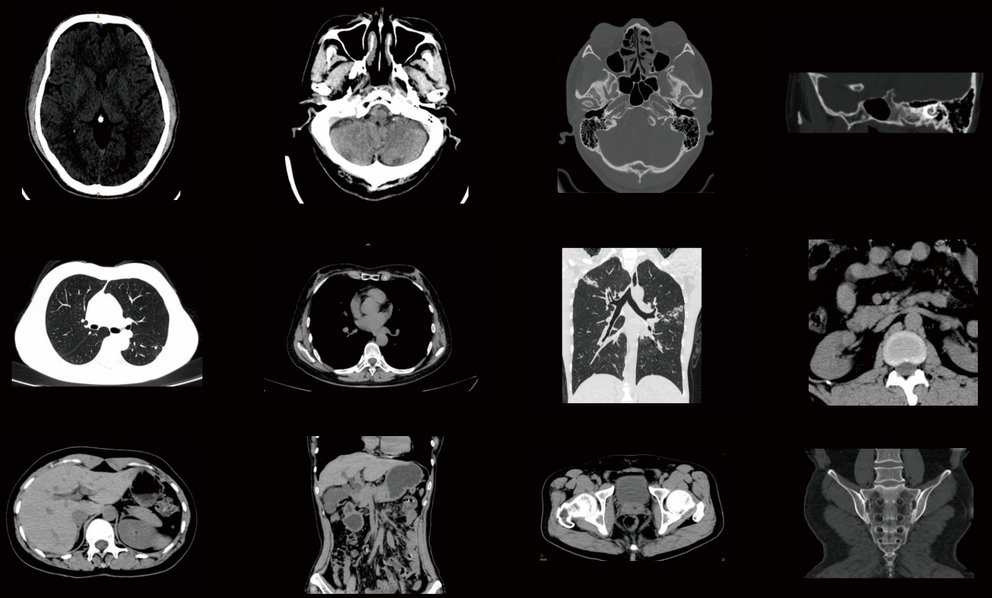
Up to 65 frms / sec real-time reconstruction

AccuPrinting

Intelligent typesetting and quick printing to save time

Clinical Applications

Fast, precise and low-dose imaging technologies provide a full range of clinical solutions to meet the current and future clinical diagnostic needs



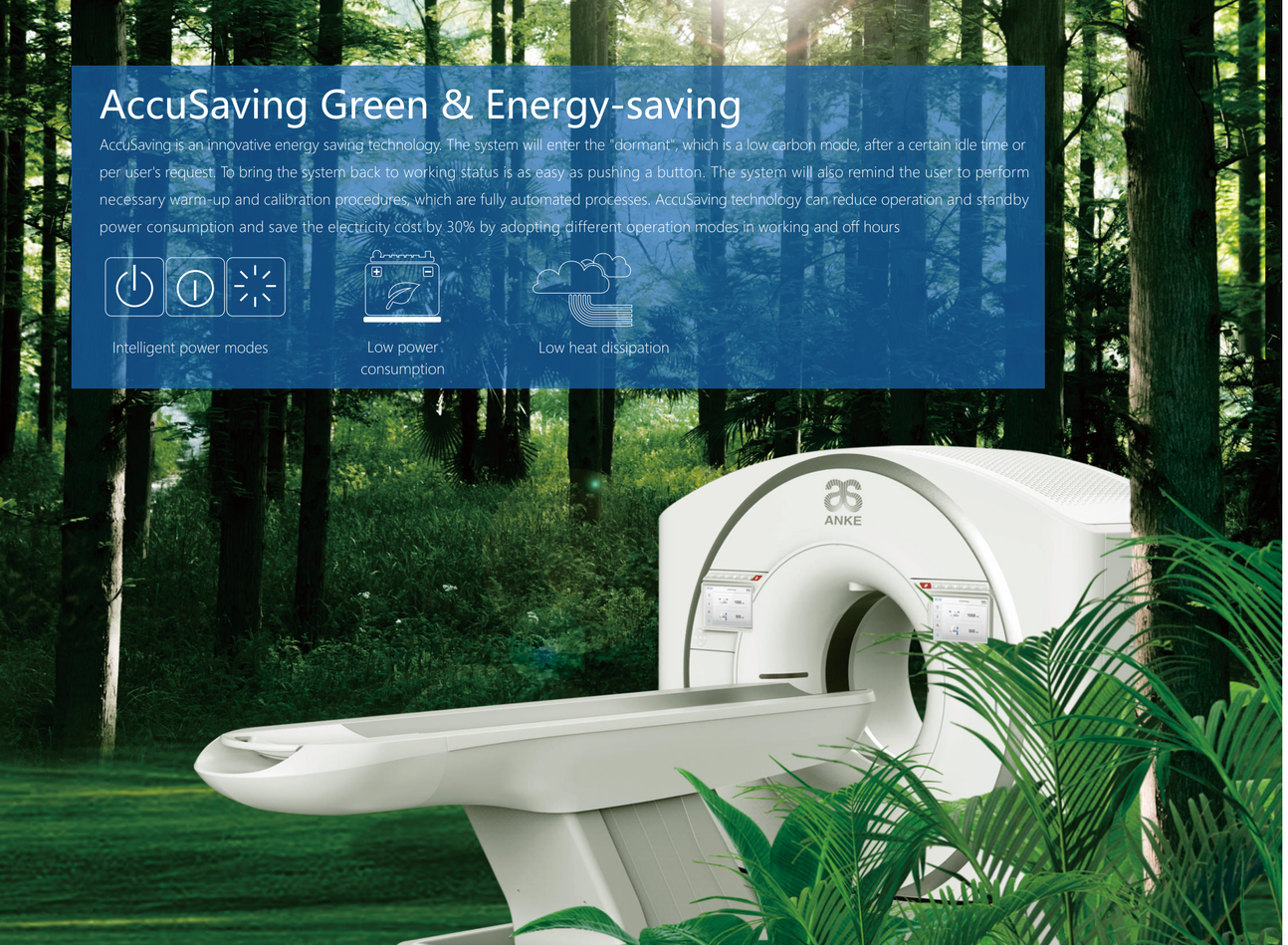
AccuSaving Green & Energy-saving

AccuSaving is an innovative energy saving technology. The system will enter the "dormant", which is a low carbon mode, after a certain idle time or per user's request. To bring the system back to working status is as easy as pushing a button. The system will also remind the user to perform necessary warm-up and calibration procedures, which are fully automated processes. AccuSaving technology can reduce operation and standby power consumption and save the electricity cost by 30% by adopting different operation modes in working and off hours

Intelligent power modes

Low power consumption

Low heat dissipation



From the moment you choose ANKE, our all-round cooperation begins. Once you are in ANKE's global customer service system, you will experience a complete service solution that is all you expect, all you want and all you need.

Innovative Services

Creating maximum value for our users

Service Platform

- 24-hour call centre service
- Spare parts guarantee in the spare parts centre
- Professional tools for efficient ensurance

Service Quality

- One-to-one service by technical experts
- Preventive maintenance
- Timely detection of hidden problems

Service Network

- Over 100 engineers
- Over 30% technical experts
- R&D-led technical support centre

Service Efficiency

- Remote support
- Fast problem solving
- Efficient dispatch to reduce time