



KUANTENG

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INNOVATION
FOR LIFE

KUANTENG

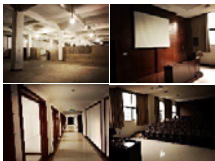
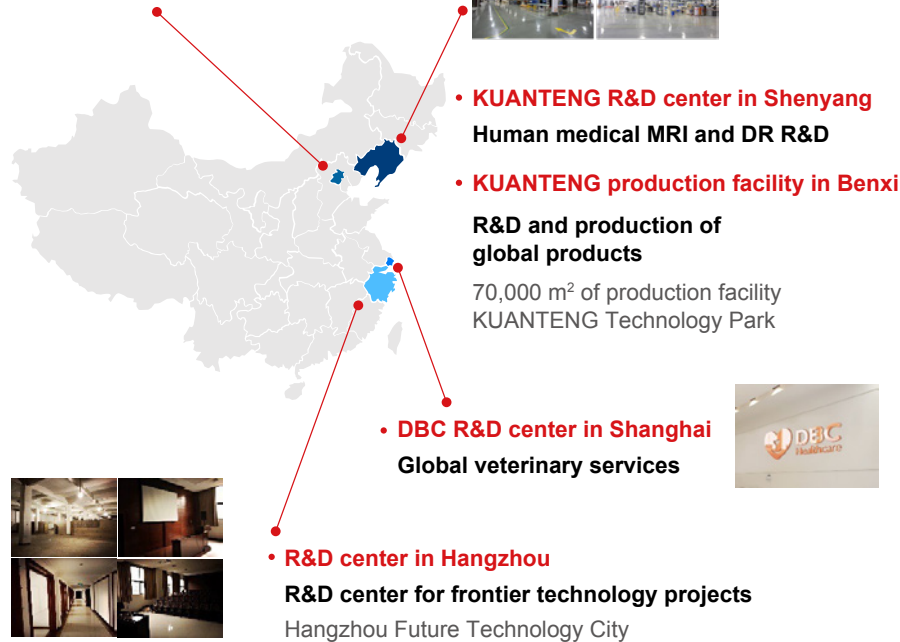
Company Overview

Introduction to KUANTENG

- **KUANTENG R&D center in Beijing headquarters**

Image sequence R&D at global headquarters

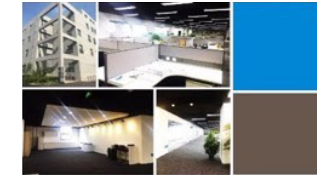
Beijing Hongda Industrial Park



Benxi Liaoning Production Center



ShenYang R&D Center



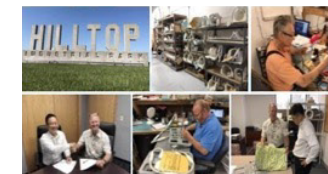
BeiJing R&D Center



Hangzhou Zhejiang Production Center



HangZhou R&D Center



America R&D Center



- **No. 3 R&D center in the USA**

Coil R&D

Nebraska, USA
Hilltop Industrial Park in Omaha

KUANTENG Medical, a trustworthy large-scale medical imaging products and service provider.



Rapid growth

- Within one year, we successfully developed two main businesses of the Magnetic Resonance imaging (MRI) system and X-ray system for the markets home and abroad
- Within 1st year of the product launch, the sales network has been setup and covered the whole domestic and partial overseas markets

High quality and reliable products are the keys for sustainable development

At the very beginning, KUANTENG Medical attached importance to the management for quality system, the quality assurance (QA) team has rich experience in the quality management for medical device products, conscientiousness and responsibility are their working attitudes.



Certifications and Patents

- CE
- FDA
- CFDA
- ISO9001
- ISO13485
- 24 invention technology patents
- 15 appearance design patents
- 17 utility model patents
- 25 software copyrights



Products and Services

Perceiving the customer needs, KUANTENG Medical is focusing on design the suitable products and solutions with the latest technology innovation

- Through independent R&D as core-competitiveness, adopts leading technology to provide international standards, high quality imaging products with full scale and efficient service
- Primary businesses: Magnetic Resonance Imaging (MRI) systems ,X-ray imaging systems, related medical image processing software, upgrade solutions and services for imaging equipments

Supernova 1.5T

Superconductive MRI System



- Chinese 1st optical fiber transmission technology ensures high fidelity image application
- Independent R&D for ultra-fast gradient system, with national patent technology achieves ultra-fast scans
- 16-channel digital RF system and PA coil, generates the various parts of high quality imaging
- Integrated active and passive shimming ensure the excellent homogeneity of the magnetic field, achieves the perfect fat-suppression images
- With comprehensive clinical sequences and advanced imaging functions, provides accurate diagnostic reports



Supernova OS5 0.5T

Open type superconductive MRI system

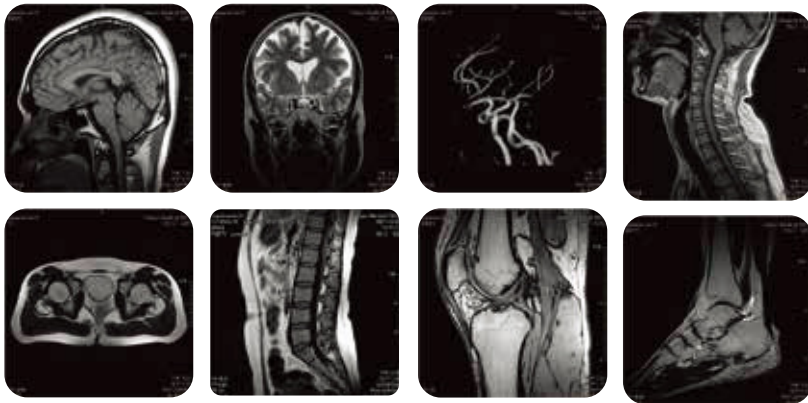
- With open type structure, adopting large bore superconductive magnet, dramatically relieves the feeling of claustrophobia for some patients
- Better magnet performance enhances the image quality, which provides better platform, say the application for interventional therapy



Supernova Series

Permanent Open MRI System

- The innovative load-adaptive PWM patented technology optimizes a nice match between gradient strength and slew rate
- High performance RF system ensures the system running stably, durably and reliably, which realizes various special scan sequences
- 4-channel PA coils, are specially designed to generate high quality imaging for various body parts
- With the magnetic fields of 0.23T, 0.35T and 0.5T three permanent MRI systems are ready to be chosen from



Gradient Amplifier

- Excellent pulse linearity and regeneration ability
- Super power output capability
- Extremely low ripple and distortion
- Full digital signal processing and control
- Digital optimization on differential load



Spectrometer

- Strong compatible with 0.23T, 0.35T, 0.5T, 1.5T and 3.0T MRI systems
- High integration with all-digital design, supports the digital form of gradient signal output
- Flexible control and updatable with the multiple channels of the receiving coils
- Digital channel infinitely with the optical fiber transmission technology
- Support a variety of advanced sequence scan



Quantum CT Q580

A whole new designed CT system with powerful configuration, high performance, high quality and reliability, 32-row physical detector, can truly achieve full HD, full speed, full thin-slice CT scan.

- True 32-row physical detector to realize full HD, high speed, and thin slice scan.
- Integrated 20mm z coverage detector to achieve full coverage 32x0.625mm thin slice scan.
- 76cm large gantry bore to bring more flexible clinical applications.
- 20LP/cm high resolution for diagnostic images
- 1024x1024 reconstruction matrix brings 4 times of image resolution comparing with conventional 512x512 reconstruction size on previous CT system.
- Performance hardware platform, 5.3MHU metal X-ray tube with 864kHU/min heat dispatch capability, 50kW HV generator, up to 0.5s rotation speed.
- Auto mA and Iterative reconstruction technology to reduce dose on patient scan.
- Windows series OS, easy to use.



Quantum CT T750

A new CT platform integrated with high technologies, provides our customers with new intelligent experience on daily clinical usage. Intelligent coronary artery imaging system, integrated smart ECG gating and coronary artery reconstruction algorithm, cardiac motion artifact correction algorithm, to ensure the instantaneous freezing of the heart, HD display of cardiovascular structure, calcification of plaque and other diagnostic information.

- 64-slice spiral full HD CT System, Integrated 40 mm z-axis coverage detector, 64x0.625mm slice thickness to achieve high-speed full coverage HD data sampling.
- 1024*1024 ultra large reconstruction matrix for high-definition imaging. Intelligent low dose mA modulation technology. Intelligent metal artifact and bone artifact correction algorithm.
- Intelligent UI, customized for and adaptive to different the user's preference. Intelligent and automatic clinical workflow makes CT scan operation convenient and efficient. Intelligent adaptive precise heart scan planning, intelligent heart motion artifact correction algorithm. Plenty of clinical applications, meet present and future diversity clinical application.
- Independently developed high-end CT hardware platform. Inheritance of high-end CT hardware and software platform, provides best balance on function/performance and TCO.
- Intelligent operation mode, more comfortable, lower energy consumption. The perfect combination of comfort and intelligent operation, brings a new experience to operators and patients.



Quantum CT T752

A new CT platform integrated with high technologies, provides our customers with new intelligent experience on daily clinical usage. Intelligent Dynamic Focal Spot, Intelligent coronary artery imaging system, integrated smart ECG gating and coronary artery reconstruction algorithm, cardiac motion artifact correction algorithm, to ensure the instantaneous freezing of the heart, HD display of cardiovascular structure, calcification of plaque and other diagnostic information.

- New 128-slice spiral whole body HDCT. Integrated 40 mm z-axis coverage detector, 128x0.625mm slice thickness to achieve high-speed full coverage HD data sampling. High rotation speed, high resolution and high efficiency acquisition, easily deal with all kinds of clinical examination. Intelligent Dynamic Focal Spot, provides 4 times of sampling density and enables high-definition imaging with high speed and good image quality at same time.
- Lower dose, higher resolution image. Intelligent low dose mA modulation technology.
- Unique design. Intelligent UI, customized for and adaptive to different the user's preference. Intelligent and automatic clinical workflow makes CT scan operation convenient and efficient. Intelligent adaptive precise heart scan planning, intelligent heart motion artifact correction algorithm. Plenty of clinical applications, meet present and future diversity clinical application.
- With independent research and development of high-performance platform. High-performance platform with unique IPs
- New IPs from independent research and development, make the software and hardware platform run with higher performance, better quality and reliability.
- Intelligent operation mode, more comfortable, lower energy consumption. The perfect combination of comfort and intelligent operation, brings a new experience to operators and patients.

RayNova DRs

Digital Radiography System

- Ergonomic design with beautiful shape, flexible mechanical movement function
- The ultra-height wall stand can fully satisfy the height 1900 mm patient body with radiography from the head to the ankle
- Specially designed chest radiography stand with C-type/P-type handrail and the side-cassette holder for patients' convenience.
- Two-way intercom systems can be used to keep in touch with the patients at any time



RayNova DR sc5

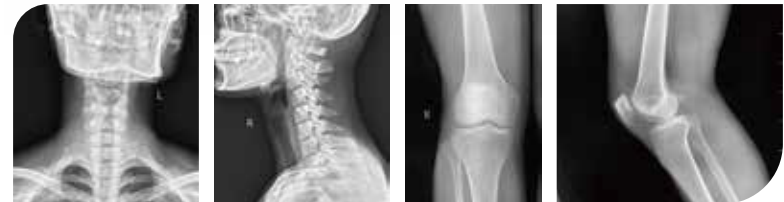
Digital X-ray Radiography system: SC5

- Two sizes flat panel detectors are available. (14*17 and 17*17-inch), Covering with a full range of mechanical movement, with a portable flat panel detector enables easy shot of the special position.
- High-quality core components having independent intellectual property rights
- Easy operation software process provides the operator with a more relaxing, more productive working environment
- Intelligent exposure parameter settings, preview image is available in just 3 seconds after exposure.
- 300 KHU high heat capacity tube



RayNova DRt

Digital Radiography System



- All-in-One workstation, integrating with the advance technologies makes smoother workflow
- With fully automatic tracking dual-rail suspension system, projection covering every single region
- The world's leading FPD presents the excellent images
- Latest seamless stitching technique, automatically generate whole stitched images for the long bones and spine

RayNova DRmg

Mobile Digital X-ray system

- Simple operation, a high level of security and availability.
- Intelligent networking, uncompromised image quality.
- High-quality and high heat capacity tube
- Detectors deliver a light and thin design, wireless convenience, and fast image access and cycle times, High-resolution.



RayNova Rv

Vehicle-mounted X-ray Radiography System



- Kick off the work at any time, any where
- Complete coverage of the routine checkups and occupational disease examinations
- Release the interior space of the mounted vehicle
- The application of electric putter technology makes the system stable and reliable
- Automatic centering function makes an efficient and accurate operation
- High voltage generator can do the real-time detection with full coverage of key components



RayNova Rph

Portable Radiography System

- Compact, flexible, less demand for the work environment
- It can be used into bedside, outdoor, battle field, ICU, vehicle-mounted, pet clinics and operation room etc

Meeting changes with constancy

"Variety" DR, beyond your imagination

Wireless/cable FPD, single/dual FPD for selection. Classical two-column portable FPD DR system)

- With movable flat bed
- Meet the normal standing/lying
- position radiography Full coverage of
- mechanical movements High quality and stable output of X-ray

Realize the multi-usage for one system, expanding the existing range of DR applications to create flexible "Variety" DR system

Wireless/cable FPD, single/dual FPD for selection

- DR for infant room Lower dose More professional children's image algorithm

- Outdoor DR Provide the first diagnosis to the undeveloped and remote area citizens, frontier outpost soldiers, scene of the accident, battle field injury

- DR for ICU and family ward Small size, light weight, easy to move "Variety" DR, designed for family ward and apartment for the aged

- DR for hand and foot Realize the outpatient direct projection, alleviate the pressure of the radiology department, and relieve patients waiting distress



Wireless portable FPD + Surface Tablet PC = Variety DR imaging system

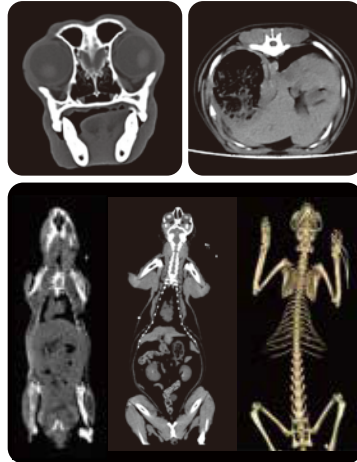
Variety DR imaging system is the best snap upgrade solution for the conventional X-ray equipment



Monet 64 CT

X-ray computed tomography system

- Physical 32-row detector. Truly realize full HD, full high speed and full thin-slice CT scan.
- Integrated 32x0.625mm detector, full coverage thin slice.
- 70cm large gantry aperture, To bring more clinical applications.
- 20.8LP/cm high resolution for diagnosis.
- The 1024x1024 ultra large reconstruction matrix brings four times the image resolution capability of conventional CT.
- 120cm maximum continuous scan length meets large animal inspection requirements.
- Digital gantry tilting technique, digital tilt capability: ±50 degree
- Slip ring with 5Gbits/s data transfer band width and long life carbon brushes.



- Up to 30 frames/second reconstruction speed, 10 times faster than traditional CT, significantly improves the efficiency of image reconstruction and reduces the waiting time of doctors.
- Intelligent filming enables filming at any time, flexible layouts, free edit and batch adjustment.
- Dynamic monitoring of the change process of contrast agent in the region of interest provides accurate scanning delay time, which makes the contrast enhancement effect reach the best, and also makes the complex enhanced scan easier to grasp and reduces the delay time of repeated scanning.
- Intelligent filming enables filming at any time, flexible layouts, free edit and batch adjustment.

RayNova Pet DR

X-ray system for Pets only

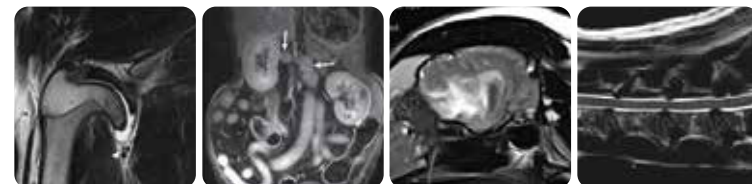
- Processing software for pets
- Accurate dose allocation, good protection
- High resolution for images with rapid scan speed, widely used for different body parts
- Easy to operate with reliable performance, covering a variety of pets



Supernova Pet MRI

Vehicle-mounted MRI System

- Open magnet with C type single column
- 360°openness, allows easy observation for animals
- Various coils available, free choices to combine for different size pets
- No radiation, harmlessly magnetic
- Animals' brains, nerves for spinal cord can be easily obtained for precise reporting
- Highly contrasted for soft tissues for details, ensures abundant imaging information to define the pathology properties



Argon-Helium Cryosurgery



- ♦ Minimally invasive cryosurgery
- ♦ Has been developed through numerous clinical trials of animals with great concentration
- ♦ Strictly controls the production processes according to the GMP guidelines on medicinal products for human use
- ♦ Has ablation needle (minimum 1.3 mm) specially developed for animals, which is easier to operate
- ♦ Has minimal trauma, reduces the level of pain, and allows for accurate prognosis
- ♦ Developed according to aerospace and military standards, making it safer, more precise and controllable

DBC-800

Veterinary Color Doppler Ultrasound Diagnostic System

- ♦ Portable and very helpful in various scenarios in veterinary hospitals
- ♦ Can be equipped with a large capacity and long-lasting lithium battery
- ♦ Comes with an advanced ultrasound platform and user-friendly design, as well as complete hardware and software configuration
- ♦ Excellent image quality that guarantees accurate diagnosis
- ♦ Color ultrasound system with cutting-edge technology that is able to perform various examinations on animals



DBC-1000

Veterinary Color Doppler Ultrasound Diagnostic System

- ♦ An ultrasound platform that brings together cutting-edge image processing technology and advanced yet practical clinical solutions
- ♦ Suitable for use in various full-body veterinary systems, intra-operative examination, as well as interventional diagnosis and therapy
- ♦ High-precision A/D conversion and precise digital delay
- ♦ Innovative multi-core processor technology and professional ASIC platform
- ♦ High-density probe with broadband frequency conversion technology
- ♦ A wide range of probe configurations and professional measurement software package for veterinary use



DBC-1800

Veterinary Color Doppler Ultrasound Diagnostic System

- ♦ HD Medical monitor, high-sensitive touch screen.
- ♦ High-end applications such as compounding Imaging, pulse-inverse tissue harmonic imaging
- ♦ Rapid imaging, optimization, storage, and export with just one button, thus allowing for smart diagnosis
- ♦ Color-flow-enhanced and echo-enhanced imaging, as well as ultra-wideband imaging, results in exceptional image quality

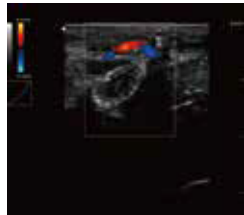
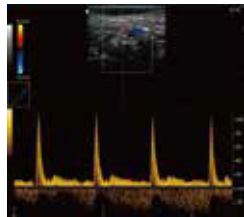




Hawk-eye ultrasound

Veterinary color ultrasound

- Professional software and measurement tools for veterinary
- Various imaging Mode: B/Color/Power/P-W/CW/M Mode
- Q-scan speckle reduction technology
- 2.7 kg, portable, tabletop, wall-mounted and mobile cart, etc.
- Fulfill all needs of veterinary scanning with portable design and excellent imaging



M10

Is a collection of multiple patented ultrasonic technologies

- adopting leading image technologies such as spatial compound imaging, trapezoidal imaging, and tissue harmonic imaging (THI).
- It integrates DBC Healthcare's wealth of experience in medical ultrasound technology
- to provide a variety of professional clinical solutions.
- Fulfills clinical needs across multiple departments
- Has a user-friendly design
- Equipped with high-efficiency lithium battery to meet outdoor emergency needs
- Buttons come with a soft light that is gentle on the eyes
- Optimizes image parameters with one click, making repeated adjustments unnecessary
- Works with a wide range of measurement software packages and smart workstations
- Comes with an integrated handle that is lightweight and portable





After sales services

◆ Installation

We design the room layout for you; site engineer on site guidance and follows the professional procedures for installation in a quick and effective way

◆ Training

Application training to be carried out by our specialist when hospital starts to use the system, which makes the end-user more familiar to get the desirable images

◆ Upgrade

Both the hardware and software are committed to a lifelong upgrade

Responsibility

Made in China

To master own cutting-edge technology is the key point to level up the brand international influence. Through the scientific and technological innovation, KUANTENG Medical will walk in front of science and technology, by improving the enterprise core competitiveness, we will continue to enhance the recognition for China's brand

Equal care

Over the years, KUANTENG Medical has been committed to developing more solutions to promote the medical lever of the remote mountainous areas and border posts. We use technology to shorten the distance of the world

Sustainable Development

Sustainable development of enterprise is to continue the training of personnel, KUANTENG Medical always adheres to the "people oriented" philosophy. We introduce a large number of talents each year, they become the driving force of continuous and steady development of KUANTENG Medical

It's our responsibility to keep healthy of the people and promote the progress of medical diagnosis. KUANTENG Medical always adheres to the road of independent research and development of science and technology all the time

