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NeuViz ACE 64e 64-slice CT

Powerful beyond your expectations

NeuViz ACE 64e / V23.04

Neusoft Medical Systems

Get into the **TOP** level image capabilities in a wide range of clinical fields

Technology is always advancing. There are always new and better ways to get greater clinical performance. As a flagship member of the NeuViz CT family, the ACE series always goes ahead. The launch of NeuViz ACE 64e further cements the experience as a critical component of health care around the globe.

With the advanced ACE platform, NeuViz ACE 64e integrates the most advanced design languages into the robust tube and A-STAR Detector from patient-friendly workflow, which offers groundbreaking technology. Users can now enjoy exceptionally high image quality along with the expansive possibilities, without fear of clinical difficulties and keep up with future trends.

NeuViz ACE 64e features an intelligent imaging system that provides outstanding performance and delivers AI-empowered solutions for anticipated outcome and research.



**Enhanced
Hardware
Platform**



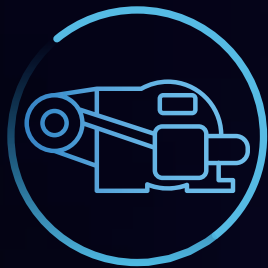
**Exclusive
Care
Design**



**Extreme
HD
Imaging**



**Excellent
Clinical
Performance**



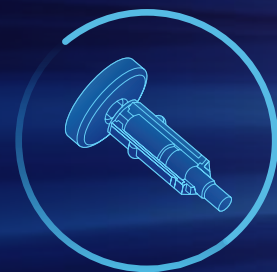
Enhanced Hardware Platform

NeuViz ACE 64e offers the outstanding stabilizing and efficient performance of the entire ACE series on an incredible hardware platform.

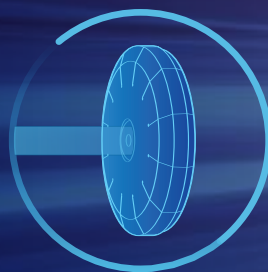
19MHU Tube

NeuViz ACE 64e incorporates 19MHU built-in powerful tube with an internal energy system, enabling quick and easy improvements in efficiency. These design features aim to match and fulfill the optimal economic performance of long tube life.

A-STAR AI Tube | Technique-driven



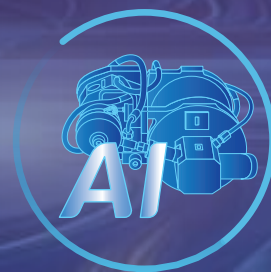
LMB
Technique



Super-large
Anode Surface



Micro-carving
Technique



AI
Adjustment

Tube heat capacity is increased to **19** MHU
There is no need to warm up within **8** hours
Up to **280%** more efficient

A-STAR Detector

When the compact detector combines with its powerful stabilization capabilities, complex hardware performance that used to be very costly to achieve is now easily attainable.

High tech design

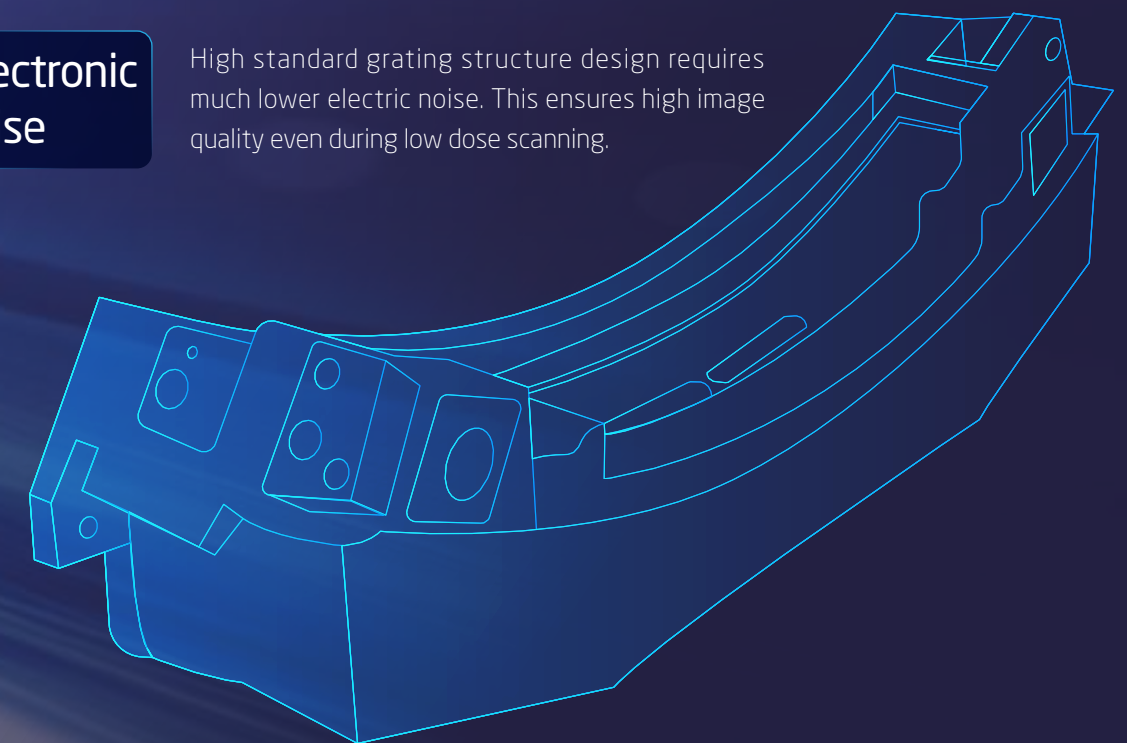
The two integrated designs work together with a PIN and analog-to-digital conversion chip to bring overall stabilization to a whole new level. With excellent scalability and reusability, the operating cost are effectively reduced.

Low power consumption

A-STAR Detector uses an ultra-low power consumption ASIC, which effectively decreases channel consumption, heat accumulation and temperature fluctuations, offering stabilized performance on image quality.

Low electronic noise

High standard grating structure design requires much lower electric noise. This ensures high image quality even during low dose scanning.

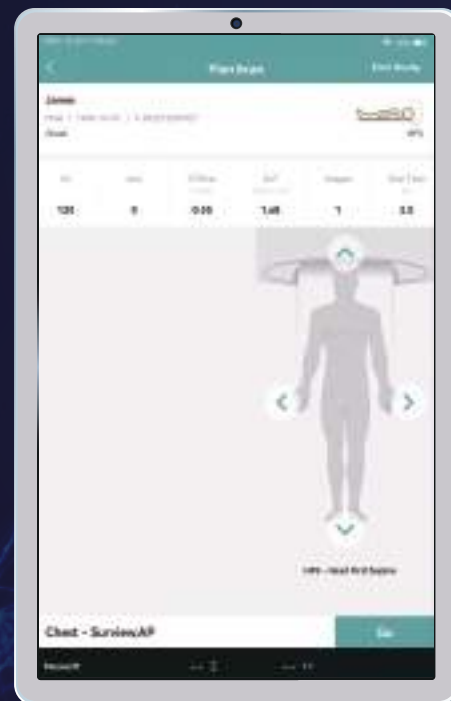




Exclusive Care Design

We find it becomes easier to deliver patient care when using NeuViz ACE 64e. Registration and protocols selection steps can be finished on a remote tablet. Meanwhile, it provides an innovative and comfortable way to locate body points quickly and allows for adjusting i-centering automatically with extreme precision.

Whether you're in the operation room or staying close to the patient, dedicated modules mounted to NeuViz ACE 64e can help you achieve wireless control, making it especially convenient for solo operators, which delivers a kind and thoughtful process that improves patient cooperation and experience.



A-Touch Operation System

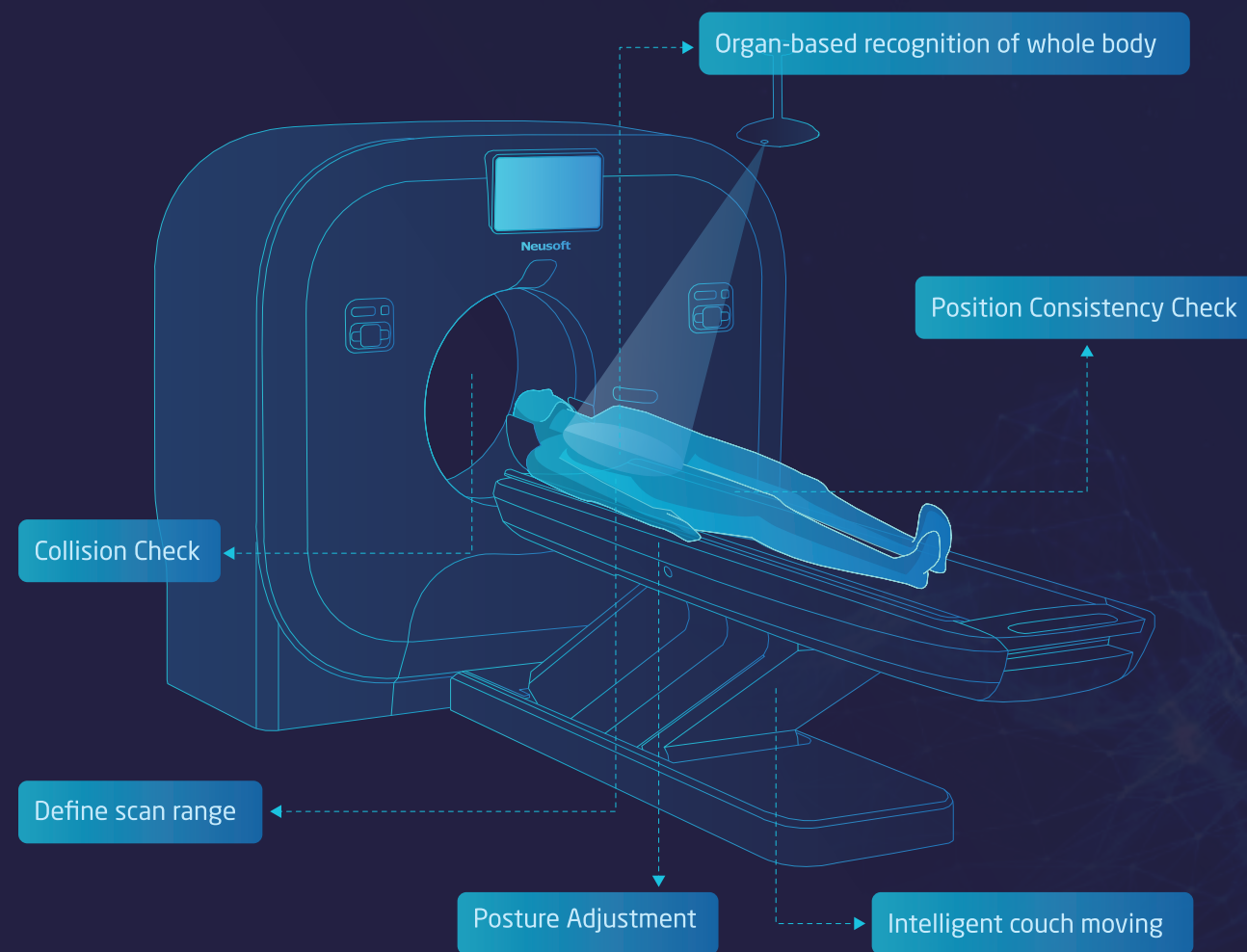




Exclusive Care Design

NeuAI Positioning System

NeuAI positioning system always prioritizes every small step of your daily operation. The fast workflow will definitely make the process more efficient, which exceeds your expectations. It will equip you with extraordinary handling feelings with intelligent procedure and genuine patient care all the time, delivering the accurate images you desire.



0 Dose Platform

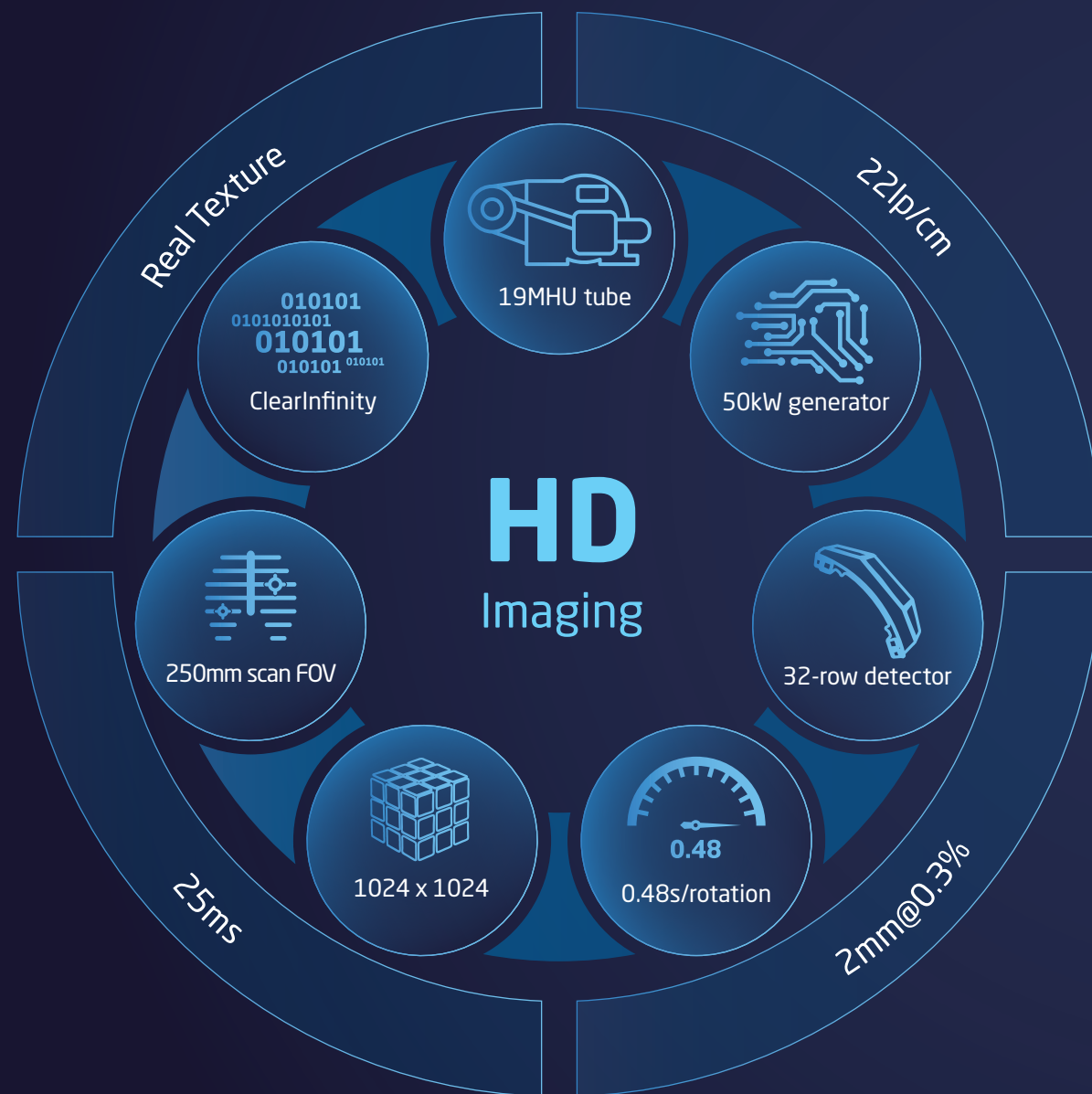
NeuViz ACE 64e encompasses a set of techniques, programs and practices based on the "As Low As Diagnostically Acceptable" principle (ALADA) to support perfect image quality at low dose.

The 0 Dose Platform features the following techniques and programs:

- 240 degree exposure:** A circular icon with arrows indicating a full 240-degree rotation.
- Organ-Safe:** An icon showing a patient's torso with arrows indicating a safe scanning path around organs.
- ClearView:** An icon with arrows forming a circle, representing clear, high-quality image acquisition.
- Auto kV:** An icon with a crosshair and numbers (80, 100, 120, 140) representing automatic kV selection.
- ClearInfinity:** An icon with 'Ai' and a circular pattern, representing AI-enhanced image clarity.
- 3D dose modulation:** An icon with a sine wave and vertical bars, representing dose modulation based on 3D anatomy.
- A-STAR detector:** An icon showing a detector array, representing advanced detector technology for low-dose imaging.
- ECG dose modulation:** An icon with an ECG waveform, representing dose modulation synchronized with the patient's heart rate.
- Pediatric protocols:** An icon showing a child's silhouette, representing specialized low-dose protocols for children.
- Dose check:** An icon with a checklist (D, P) and a progress bar, representing a final dose verification step.

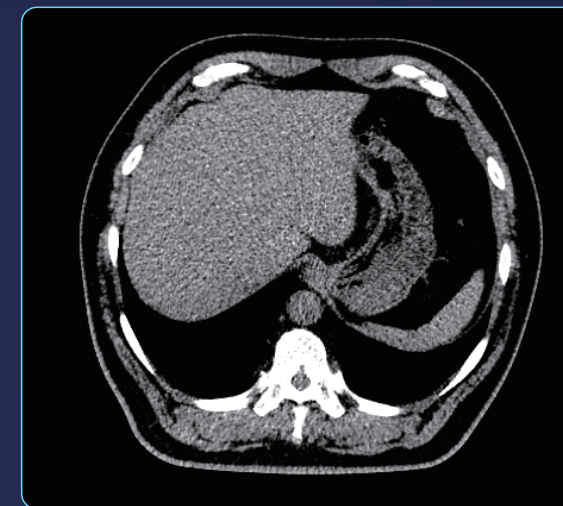


Extreme HD Imaging

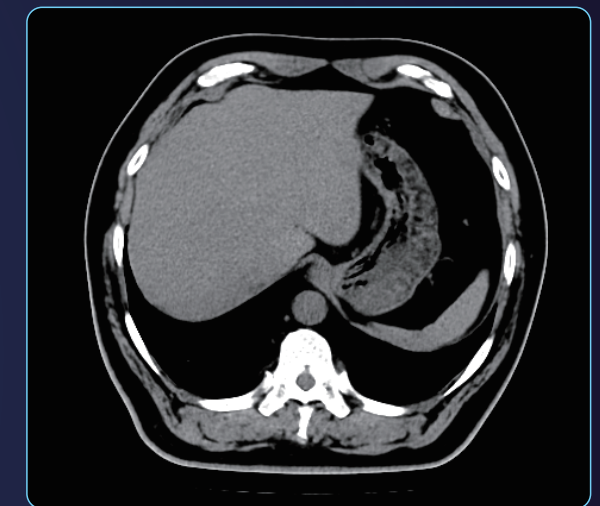


ClearInfinity is a pioneering technology and a novel approach to CT image reconstruction in clinical routine that employs deep learning (DL) as an artificial intelligence method. It strikes an optimal balance between ultra-low dose and excellent image quality, producing unparalleled outcomes with high resolution. With an unwavering commitment to innovation, NeuViz CT has been dedicated to leveraging cutting-edge technology to propel customers to the forefront of the industry, and guiding customers to experience the top-tier imaging technology facilitated by the latest AI innovations.

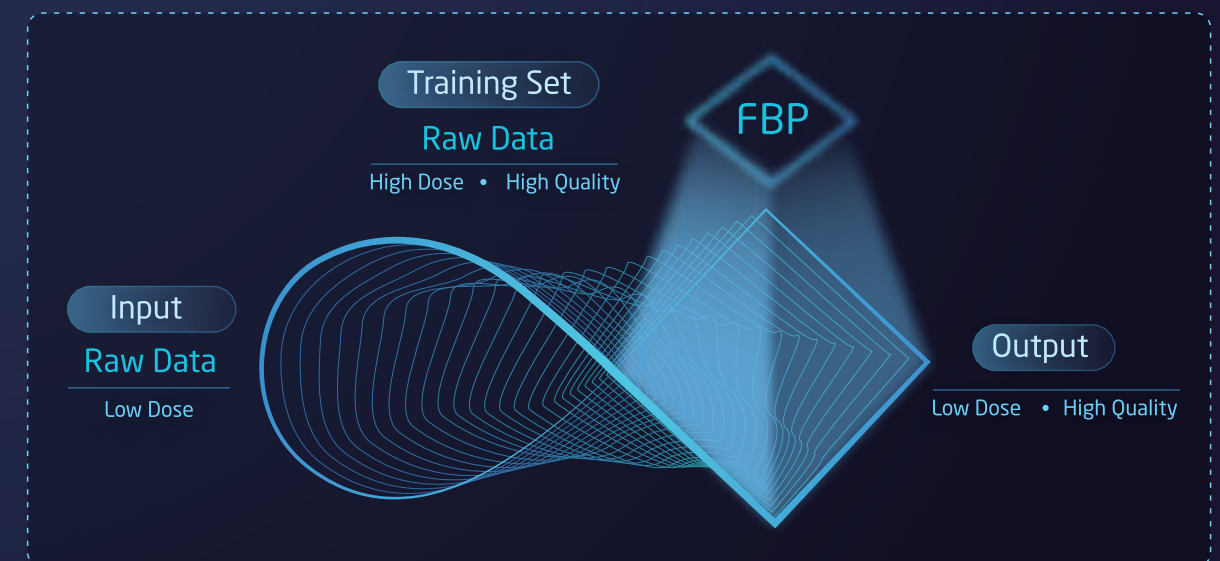
High Resolution Images



FBP



ClearInfinity





Excellent Clinical Performance

Equipped with powerful hardware and AI technology, NeuViz ACE 64e has versatile applications beyond your imagination. It is dedicated to solving a variety of challenging scenarios. In the case of the cardiovascular system, it can output multiple plaque and stenosis analysis parameters to doctors simultaneously with the advanced processing system, which gives doctors a better experience of professionalism brought by the progress in technology.

Diagnosis Assist Tools (DAT)

Results enhance significant confidence, convenience and diagnostic capability.



Cardiac Function Analysis



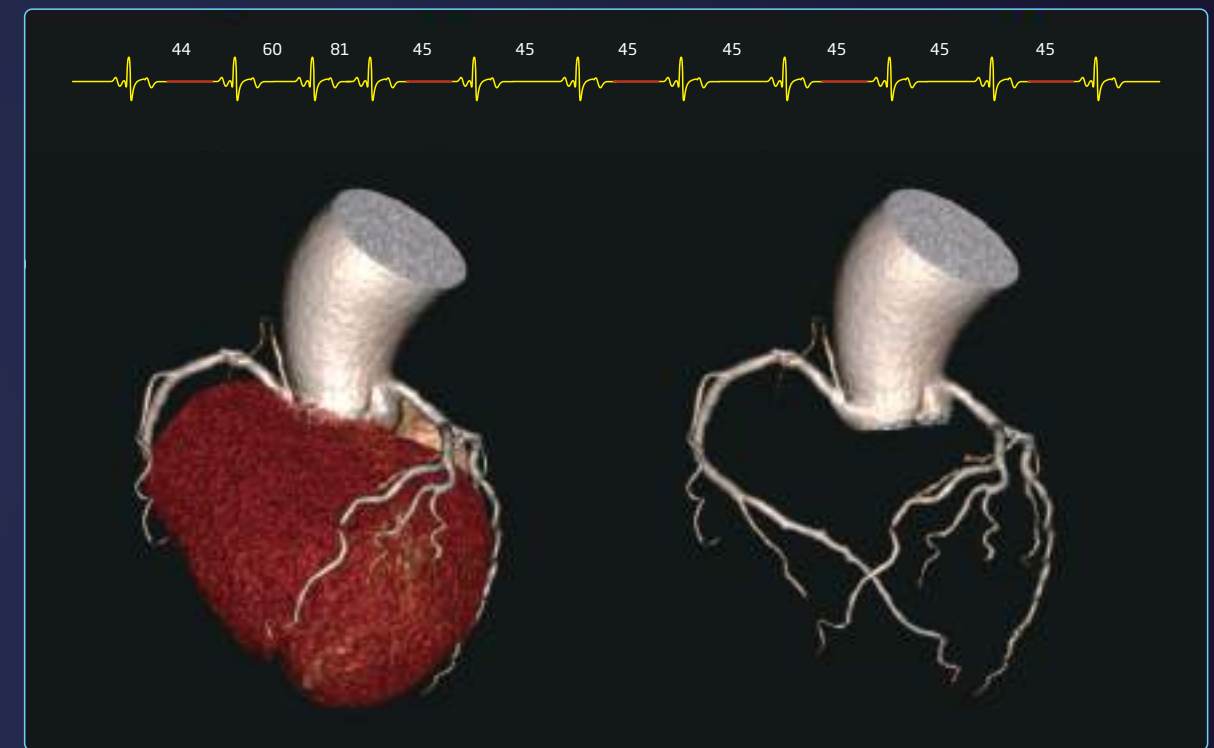
Cardiac Calcium Score



Cardiac Coronary Analysis

Irregularity Handling Tools

The image quality of coronary structures is still maintained even with the challenge of high heart rate or arrhythmia.



Arrhythmia Handling



Coronary Motion Clear



Excellent Clinical Performance

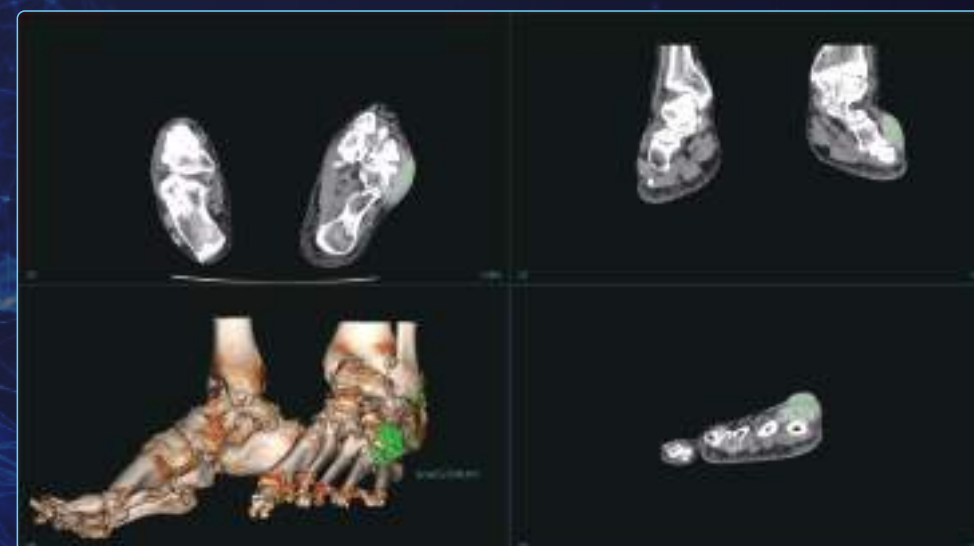
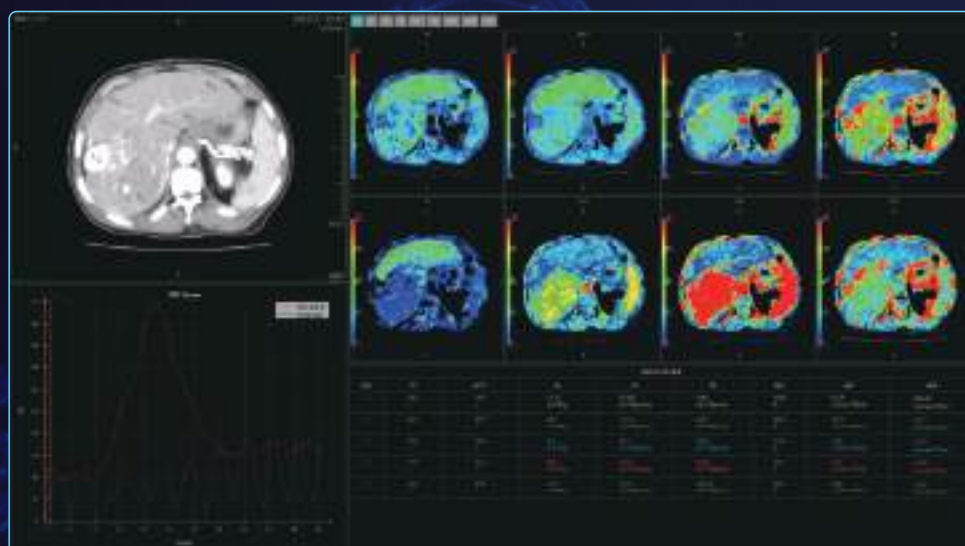
Carotid CTA



Prism Imaging



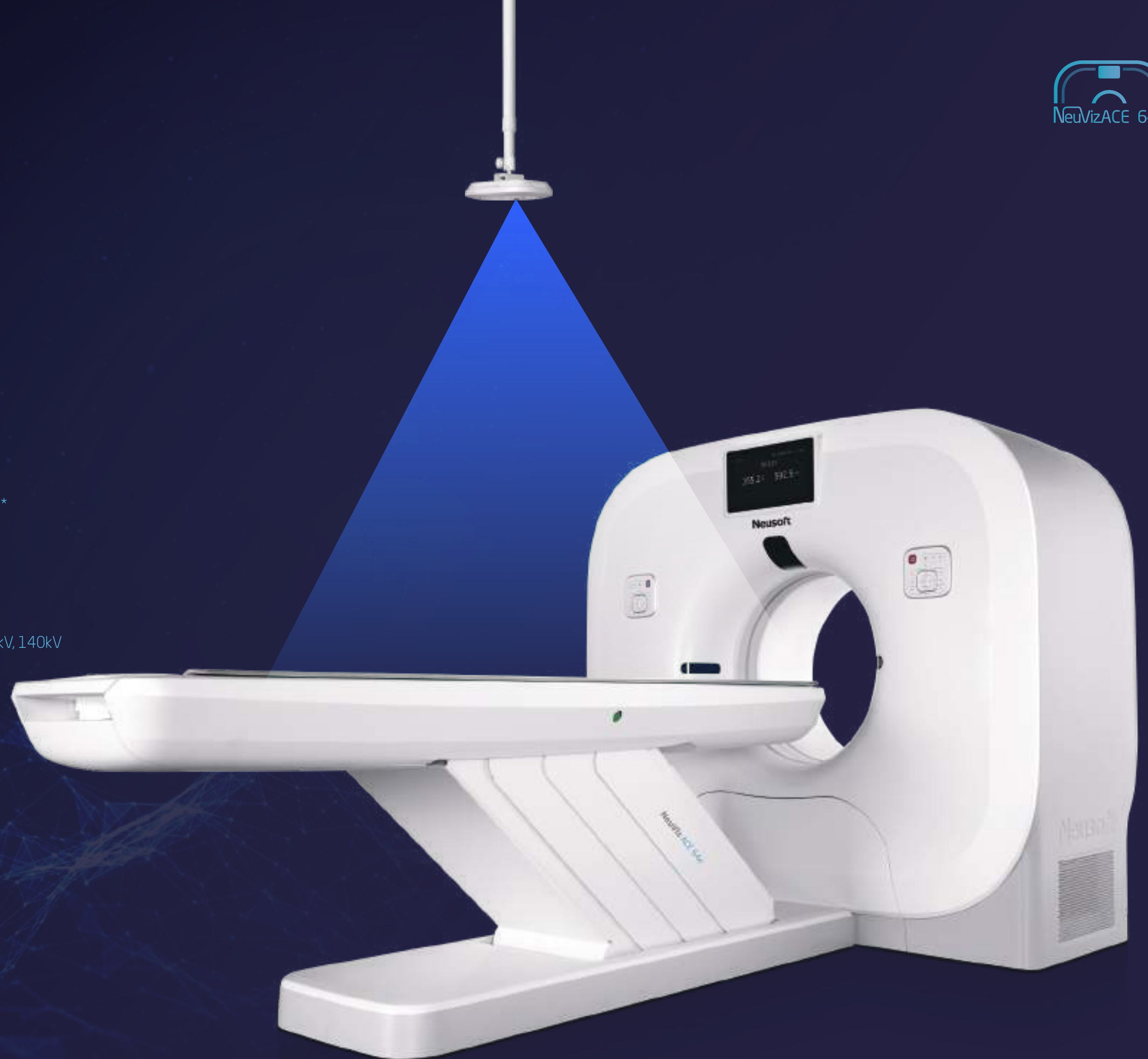
Long Range Perfusion



Technical Specifications

Key data:

Slices.....	64 slices acquired 230 slices reconstruction*
Slice thickness.....	Min. 0.5mm
Tube heat capacity.....	19MHU
Generator power.....	50kW
kV step.....	70kV, 80kV, 100kV, 120kV, 140kV
Pitch.....	0.1-2.1
Rotation time.....	0.48s/360°

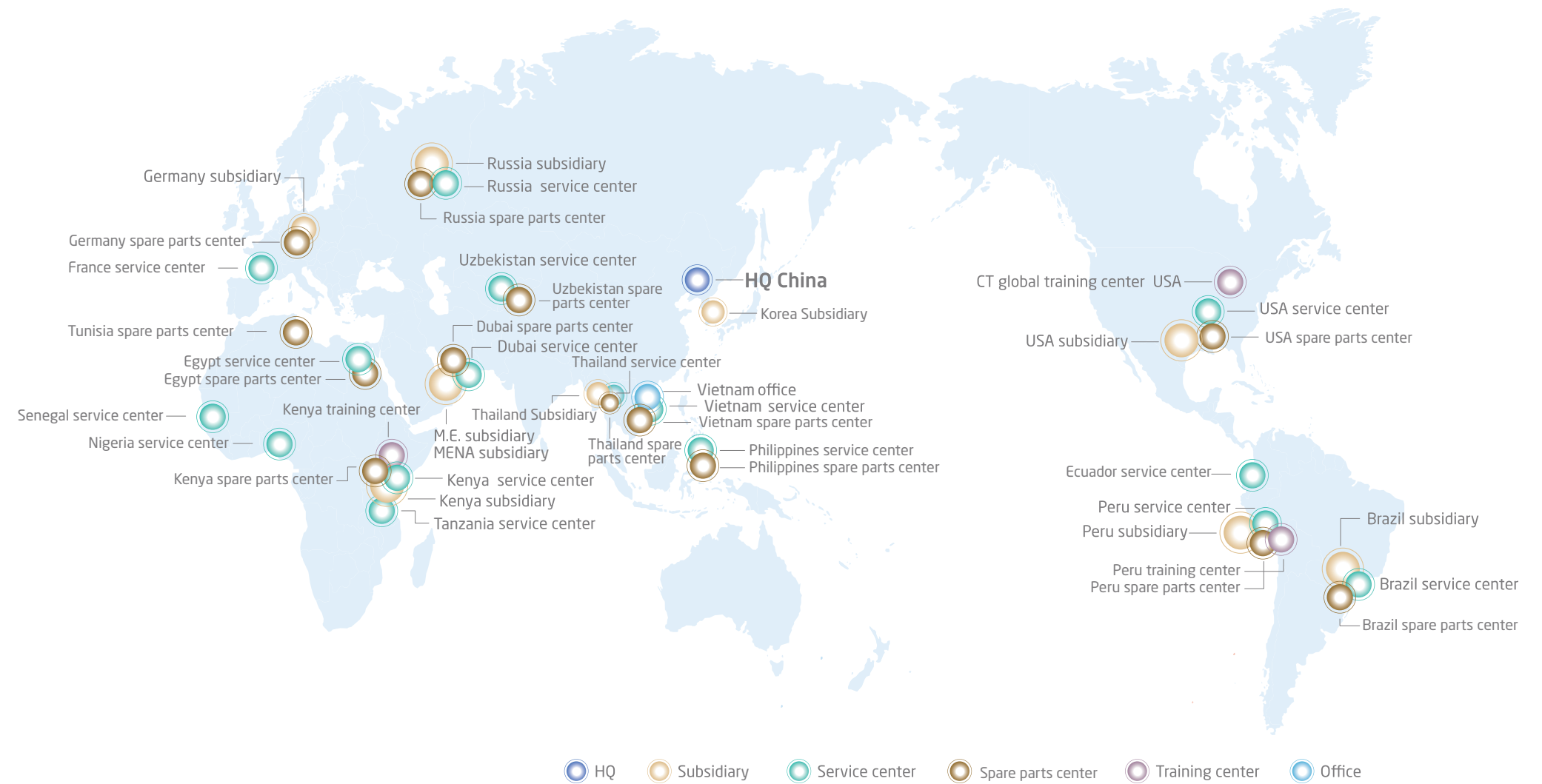


*Helical scan

Service and Logistics Support



Neusoft Global Service & Logistics Network



After-sales service and support

- Remote service capabilities bring Neusoft expertise to you IMMEDIATELY, no matter where you are!
- Identifying and correcting PROMPTLY and PROACTIVELY, minimizing downtime and patient inconvenience.
- Global logistics network enables fast response regarding parts and supplies.

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* Not available in the United States.