Contacts

Middle East & North Africa
No. 705-706, Building 26A, Al Baker Building, Dubai Healthcare City, UAE
Tel: +971 4 4444895

North America
14425 Taney Chase, Suite 150, Houston, TX 77014
Tel: +1 281 451 1303

Europe
No.16 Shiji Road, Hunnan New District, Shenyang, China
Tel: +86 24 8900 0701

South America
No.16 Shiji Road, Hunnan New District, Shenyang, China
Tel: +86 24 8900 0505

Asia & Oceania
No.16 Shiji Road, Hunnan New District, Shenyang, China
Tel: +86 24 8900 0505

Africa
No.16 Shiji Road, Hunnan New District, Shenyang, China
Tel: +86 24 8900 0505

Headquarters
Neusoft Medical Systems Co., Ltd.
No.16 Shiji Road, Hunnan New District, Shenyang, 110179, China
Tel: +86 24 8900 3009
Fax: +86 24 2376 2707
http://medical.neusoft.com/en
Neusoft CT
“A History of Innovation”

Neusoft enters into a joint venture with Philips Medical Systems 2005
Neusoft CT installed base reaches 1000 systems 2007
NeuViz Dual 2004
NeuViz 64 2012
NeuViz 128 RELEASED 2015
NeuViz 16 2009
NeuViz Dual NeuViz Twin NeuViz 16 NeuViz 16 Classic NeuViz 64

CT-C2000 1998
CT-C2800/3000 2000
CT-C2800/3000 Dual 2002
NeuViz 128 2015
NeuViz 128

Remarkable Clarity and Precision

The NeuViz 128 represents the latest state of Neusoft technological innovation. This exciting new product delivers increased value by reducing operating costs and improving workflow through the intelligent use of advanced clinical technology. NeuViz 128 brings the remarkable clarity and precision to CT imaging.

NeuViz 128 Product Highlights

- Quad-sampling technology
- iHD (isotropic High Definition) imaging enables High Spatial Resolution: 24lp/cm
- Micro-STAR detector
- 1024x1024 large matrix imaging
- Comprehensive Low dose design
- ClearView, an advanced iterative reconstruction algorithm that adds diagnostic certainty to low dose imaging

High Resolution Imaging-Chain

Effective integration of high-resolution hardware and software results in superior image and diagnostic quality.

Quad-Sampling

By dynamically moving the focal spot axially and longitudinally, sampling density is increased 400%. This means improved resolution, reduced artifact and extended scanning ranges.

Micro-STAR detector

iHD (isotropic High Definition) enables the half-slice acquisition, which delivers 24lp/cm isotropic resolution.
High resolution scanning (1024 x 1024 matrix, small focal spot) provides the spatial resolution necessary to perform lung nodule and inner ear studies.

1024 large matrix image
High Definition Imaging

Small facial features

Coronary artery stents

Encephalic Angioma

Lingual artery

CTA
A Focus on Low Dose Design

- **240 degree exposure**
  - Dose to the patient and attending physician reduced.

- **Organ-Safe**
  - Reduces dose to radiosensitive organs such as eyes, thyroid and breasts.

- **Pediatric Protocols**
  - Not “scaled down” adult protocols. Designed specifically for pediatric anatomy.

- **New detector design**
  - Modular design delivers 99.99% x-ray conversion efficiency, lower dose necessary to deliver exquisite image quality.

- **ClearView**
  - Iterative Processing in projection and image spaces that delivers unbelievable dose reduction.

- **Dose Check**
  - Full implementation of “Dose Check”: Patient cannot be over radiated.

- **3D dose modulation**
  - Tube current modulated based on the anatomy in the scan field. Anatomically optimized dose.

- **ECG dose modulation**
  - Reduces tube current during non-imaging phases of the Cardiac Cycle to minimize patient dose.
ClearView

By performing iterative image processing operations in both projection and image space, the noise and artifact that often accompany low dose acquisition can be removed. This is done without a reduction in image detail.

Low Dose Platform with optimized hardware AND software

Compared with routine 128-slice models, the Spatial Resolution of NeuViz 128 increases by 41%.
A system design that puts the patient at ease

The new cover and table design deliver important information to the patient and the clinician. Patient comfort is assured, improving their experiencing and insuring a high quality examination.

The newly designed user interface improves clinician efficiency by guiding the user effortlessly through the examination. The number of steps required to perform a study has been reduced, decreasing study times.

- Gantry LCD Monitor
  The integrated display panel and illuminated ring on the gantry give REAL-TIME information regarding the status of the scan.

- Control Panels that are easier to read and use
  The bold new design of the control panels includes larger knobs which are easier to operate.

- Ergonomically designed Control Box
  Easier for clinicians to operate, improving workflow.

- Improved Patient Couch comfort
  Increased padding with easily accessible emergency release buttons.
Robust, Low Dose Cardiac Imaging

By reducing the tube current during periods of the Cardiac Cycle where image data is not being acquired, patient dose can be significantly reduced. Low dose Cardiac Images can be acquired and then processed with ClearView reducing patient dose to <=1mSv.

Prospectively Triggered Cardiac Imaging, 80kV, 0.4mSv

Maximizing Clinical Capabilities

‘Triple-low’ (low dose, low contrast concentration, low contrast volume)
100kV, 270mgI/ml, 50ml

Angiography of Pulmonary Arteries, 1.5mSv

Height: 164cm, Weight: 131kg, BMI: 50
Service and Logistics Support

Support service, after the sales

- Remote diagnostic capabilities that bring Neusoft expertise to you IMMEDIATELY, no matter where you are!
- Identifying and correcting problems PROACTIVELY, minimizing downtime and patient inconvenience.
- Global logistics network, prompt response regarding parts and supplies.

Neusoft Medical Systems reserves the right to make changes in specifications and features shown herein or discontinue the product described at any time without notice or obligation.