

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-29
STORES SECTION(CNC)**

T. No. 170/CNC/NI&INR/2024-25/St.

Dated: 24.02.2025

Sub:- Purchase of "Intraoperative Mobile CT System-02Nos." (One unit for NI&INR and One unit for JPNATC) on proprietary basis-Inviting comments thereof.

The CNC (AIIMS) is in the process to purchase of **Intraoperative Mobile CT System-02Nos." (One unit for NI&INR and One unit for JPNATC of AIIMS, New Delhi-29) on proprietary basis** from M/s.NeuroLogica Corp. USA through their Indian supplier M/s.Schiller Healthcare India Pvt. Ltd. The proposal submitted by M/s.Schiller Healthcare India Pvt. Ltd. and PAC documents are attached.

The above documents are being uploaded for open information to submit Suggestion/objections/comments, if any, by any manufacturer/Supplier firm regarding proprietary nature of the equipment/item, within 15 days of issue of this document on AIIMS website by giving Tender No. **170/CNC/NI&INR/2024-25/St.** The comments/objections should be submitted in the office of Stores Officer (CNC), Room No. 3, 1st Floor, New Pvt. Ward, CNC at AIIMS, New Delhi-29 on or before **11.03.2025 upto 03.00 PM**, failing which it will be presumed that any other vendor is having no comment to offer and purchase process will be initiated further for purchase of item as per procedure. No suggestions/objections will be considered after 11.03.2025.

Encl: Related documents enclosed.

24/2/25
**STORES OFFICER
(CNC, AIIMS, N.DELHI-29)**

24-2-25
 **भंडार अधिकारी
Store Officer
हृदय तंत्रिका केन्द्र / C.N. Centre
अ. मा. आ. सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029**

Technical Specifications

<i>Intra-operative Mobile HEAD CT Scanner</i>	
A COMPACT, PORTABLE, BATTERY & LINE POWERED MULTI-SLICE HEAD CT SCANNER IS REQUIRED FOR CRANIAL - CERVICAL APPLICATIONS IN NEUROSURGERY ICU, OT. STROKE & TRAUMA –Department of Neuroimaging & Interventional Neuroradiology, NSC and Apex Trauma Centre AIIMS, New Delhi-2 units.	
Sr. No.	Spécification
A	<u>X-RAY GENERATOR AND TUBE</u>
	1. SHOULD HAVE MULTI-SLICE CAPABILITY WITH MINIMUM OF 16 SLICES.
	2. THE TUBE VOLTAGE SHOULD VARY FROM 80-120 KV
	3. TUBE COOLING SHOULD BE WITH COOLANT.
	4. DETECTOR COVERAGE SHOULD BE 16X0.625 mm.
	5. SHOULD HAVE SOLID-STATE DETECTORS (GOS)
	6. TUBE CURRENT SHOULD BE 5 mA- 45 mA max.
B	<u>GEOMETRY</u>
	1. SHOULD HAVE A MINIMUM PATIENT OPENING OF 40 CM.
	2. IMAGE FIELD OF VIEW SHOULD BE AT LEAST 300 MM.
C	<u>IMAGE PROCESSING:</u>
	1. SHOULD HAVE CAPABILITY TO PERFORM CT SCANS (AXIAL), HELICAL, DYNAMIC AND 3D CT RECONSTRUCTION.
	2. SHOULD HAVE CTP & CTA. WITH BOLUS TRACKING.
	3. SHOULD ALLOW VOLUMETRIC DATA ACQUISITION.
	4. SPATIAL RESOLUTION SHOULD BE : Soft tissue kernel: 6.7 lp/cm & High resolution kernel : 14.8 lp/cm
D	<u>IMAGE QUALITY:</u>
	1. THE RECONSTRUCTION MATRIX SHOULD BE AT LEAST 512X512
	2. RECONSTRUCTION SPEED SHOULD BE AT LEAST 16 IMAGES/SEC
	3. SYSTEM SHOULD BE SUPPLIED WITH DETECTOR SIZE AT LEAST 0.625 MM
	4. SYSTEM SHOULD BE SUPPLIED WITH MAX SCAN RANGE OF 400 MM
	5. PEDIATRIC PROTOCOLS MUST BE PROVIDED BY AGE/WEIGHT.
E	<u>CONNECTIVITY:</u>
	1. SHOULD HAVE DICOM FUNCTIONS . THE VENDOR HAS TO CONNECT THE EQUIPMENT WITH THE EXISTING PACS NETWORK OF THE HOSPITAL.
	2. CYBER SECURITY FEATURE
	3. HOSPITAL SYSTEM CONNECTIVITY HL7
	4. SURGICAL NAVIGATION COMPATIBILITY
F	<u>ELECTRICAL SUPPLY:</u>
	1. SHOULD BE ABLE TO RUN ON SINGLE PHASE.
	2. SHOULD HAVE AN INTERNAL AUTOMATIC VOLTAGE REGULATOR TO PROTECT AGAINST VOLTAGE FLUCTUATIONS AND POWER SURGES.
	3. SHOULD BE SUPPLIED WITH INDIAN PLUG.
G	<u>PORTABILITY:</u>

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	1. SHOULD BE COMPACT AND PORTABLE WITH ABILITY TO MOVE WITHIN ELEVATORS AND THROUGH NORMAL SIZED DOORS OF 6 ft x 4 ft, BATTERY OPERATED.
	2. SHOULD HAVE LITHIUM BATTERY BACK UP FOR AT LEAST 2 SCANS
	3. SHOULD HAVE INTERNAL DRIVE SYSTEM WITH COLLISION SENSORS.
	4. SYSTEM SHOULD ALLOW INTUITIVE LATERAL, DIAGONAL & 360° MOVEMENT FOR EASY PLACEMENT IN OR/ICU/ER.
H	<u>RADIATION SAFETY NORMS :</u>
	1. LEAD CURTAIN SHIELDING. UPGRADE IF AVAILABLE SHOULD BE PROVIDED.
	2. SYSTEM SHOULD BE XR-29 COMPLIANT WITH AUTOMATIC EXPOSURE (AEC) FOR BOTH AXIAL & HELICAL AEC FOR REDUCING PATIENT DOSE.
	3. SHOULD SATISFY INTERNATIONAL RADIATION SAFETY REQUIREMENTS INLINE WITH AERB, GOV OF INDIA.
	4. THE EQUIPMENT SHOULD BE US FDA/ EUROPEAN CE APPROVED/ ISO 901, AERB NOC/ TA.
	5. MITA SMART DOSE ADDITIONAL FEATURE INCLUDED.
I	<u>USER INTERFACE:</u>
	1. USER INTERFACE SHOULD BE PROVIDED WITH TOUCH INTERACTIONS & VOICE FEEDBACK.
	2. COLLISION SAFETY SENSOR SYSTEM
J	<u>ADDITIONAL ACCESSORIES</u>
	A) ESSENTIAL ACCESSORIES:
	a. ZERO LIGHTWEIGHT Lead Apron – 03
	b. ZERO LIGHTWEIGHT Thyroid Shield – 03
	The storage system should have provision to be connected on hospital existing PACS network
	Post Processing Workstation with below specifications:
	a. advanced post-processing techniques in 2D and 3D, exclusive innovative technique for 3D & 4D navigation, including PET-CT and SPECT-CT support, and a complete integration with Departmental existing RIS PACS.
	b. supports DICOM files and several different types of non-DICOM images, such as LSM files, BioRadPIC, TIFF, ANALYZE, PNG, JPEG, PDF, QuickTime, AVI, MPEG
	c. 3D MPR
	d. 3D Curved MPR
	e. 3D Rendering
	f. Should support Mac iOS.
	g. Storage for Dicom images should be included.
	To be quoted with 2 yrs onsite warranty followed by 8 years CMC.

Dr. Sameer Vyas (PLIMER, Chandigarh) (External Expert)
 Dr. Anuj Kaur (MAMC) (External Expert)
 (Both External Expert attended online mail concurrence have been attached)
 26.12.24
 Rajinder
 12/20/24

DEPARTMENT OF NI&INR
(NSC, CNC, AIIMS)

Proprietary Article Certificate (PAC) (Machinery & Equipment)

(i) The indented goods are manufactured by M/s.NeuroLogica Corp. dba Boston Imaging, a subsidiary of Samsung Electronics Co. Ltd., 14, Electronic Avenue, Danvers, MA 01923, USA.

(ii) Item Name: Intraoperative Mobile CT System-02 Nos. (01 NI&INR and 01 for JPNATC)

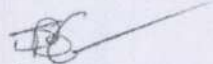
(iii) Model No: OmniTom Elite 16-Slice Scanner. (OEM: M/s.NeuroLogica Corp, USA)

(iv) Vital Technical Performance Parameters required which makes the requirement proprietary #: High resolution, 16 row, 40cm bore and 30 cm Field of view, unique feature. Patented product (Patent Certificates attached)

(v) No other make or model is acceptable for the following reasons: **This required unique specifications & features are not being manufactured by any company. This features is required for Neuro-Radiological patient and their better treatment.**

It is certified that market survey has been done and found that no other manufacturer is manufacturing similar/equivalent specifications which can fulfill the vital requirements of end user.

Note: TSEC should clearly mention the vital functional parameters requirements which end user essentially require and are manufactured by only one manufacturer mentioned in serial No. (i) above.


(HOD, NI&INR) Dr. S.B. Galkwad
प्रोफेसर एवं विभागाध्यक्ष/Prof. & Head
न्यूरोइमेजिंग और इंटरवेंशनल न्यूरोरेडियोलॉजी विभाग
NI & INR Department/ चिकित्सा विज्ञान केन्द्र
अ.भा.आ.सं., नई दिल्ली/AIIMS, New Delhi-110029


डॉ. दीपक अग्रवाल/Dr. Deepak Agrawal
अध्यक्ष (चिकित्सा शोध विभाग) / Head (Medical Research Department)
न्यूरोइमेजिंग और इंटरवेंशनल न्यूरोरेडियोलॉजी विभाग
न्यूरोइमेजिंग और इंटरवेंशनल न्यूरोरेडियोलॉजी विभाग
अ.भा.आ.सं., नई दिल्ली/AIIMS, New Delhi-29

Dated: 01/01/2020

CERTIFICATE OF DISTRIBUTION

To Whom It May Concern

This is to certify that **M/s Schiller Healthcare India Pvt. Ltd.**, having Registered office at Advance House, 2nd Floor, Makwana Road, Marolnaka Station, Andheri – East, Mumbai – 400059, India has been appointed as our exclusive distributor/agent in India and Nepal for the sales and service of the following products:

CereTom, BodyTom & OmniTom

M/s Schiller Healthcare India Pvt. Ltd. is responsible for the promotion, teaching, training, selling, after-sales-service and distribution of all Neurologica products.

Neurologica Corporation will supply **M/s Schiller Healthcare India Pvt. Ltd.** with all the necessary literature and instructional materials for the purposes of assisting them in offering the above mentioned products to all interested parties as well as the promotion of the products and training of the users in the medical profession in India and Nepal.

This letter of authorization is valid from 1st of January 2020 to 31st of December 2025.

Sincerely,

For Neurologica Corporation
Authorized Signatory:

Claudia Kleiner

Claudia Kleiner
Director of International Sales, mCT

Proprietary Certificate

This is to certify that OmniTom Elite (NL5000), manufactured by NeuroLogica Corp., located at 14 Electronics Ave., Danvers, MA 01923, USA is a mobile computed tomography (CT) system with select patents and is not manufactured in any other location or by any other company.

OmniTom Elite provides a high resolution, 16 row, 40 cm bore, and 30 cm field of view. The lightweight translating gantry consists of a rotating disk with a solid-state x-ray generator, collimator, control computer, communications link, power slip-ring, data acquisition system, reconstruction computer, power system, brushless DC servo drive system (disk rotation) and an internal drive system (translation). The power system consists of batteries which provide system power while unplugged from the charging outlet. The system has the necessary safety features such as the emergency stop switch, x-ray indicators, interlocks, patient alignment laser and 110% x-ray timer. The gantry has omni-directional wheels that allow for robust diagonal, lateral, and rotational 360-degree movement and electrical drive system so the system can be moved easily to different locations.

The intended use for the system is as follows: *The OmniTom Elite computed tomography (CT) system is intended to be used for X-ray computed tomography applications for anatomy that can be imaged in the 40cm aperture, primarily the head and neck. The CT system is intended to be used for both pediatric and adult imaging and as such has preset dose settings based upon weight and age. The CT images can be obtained either with or without contrast.*

Select Patents:

- Computerized tomography (CT) imaging system with monoblock X-ray tube assembly (7396160B2)
- Transportable anatomical imaging system with radiation-protective curtains (8057097)
- Mobile anatomical imaging system with improved movement system (10687770)
- Correction for drive, tilt, and scanning-speed errors in imaging systems (10492756)

For NeuroLogica,

Ninad Gujar

DN: cn=Dr. Ninad Gujar, o=NeuroLogica Corp., dba
Boston Imaging, a subsidiary of Samsung Electronics
Co., Ltd., ou, email=njgajar@neurologica.com, c=US
Date: 2025.01.06 16:03:36 +05'30'

Ninad Gujar, MBA, PhD

Vice President, Regulatory, Quality and Compliance

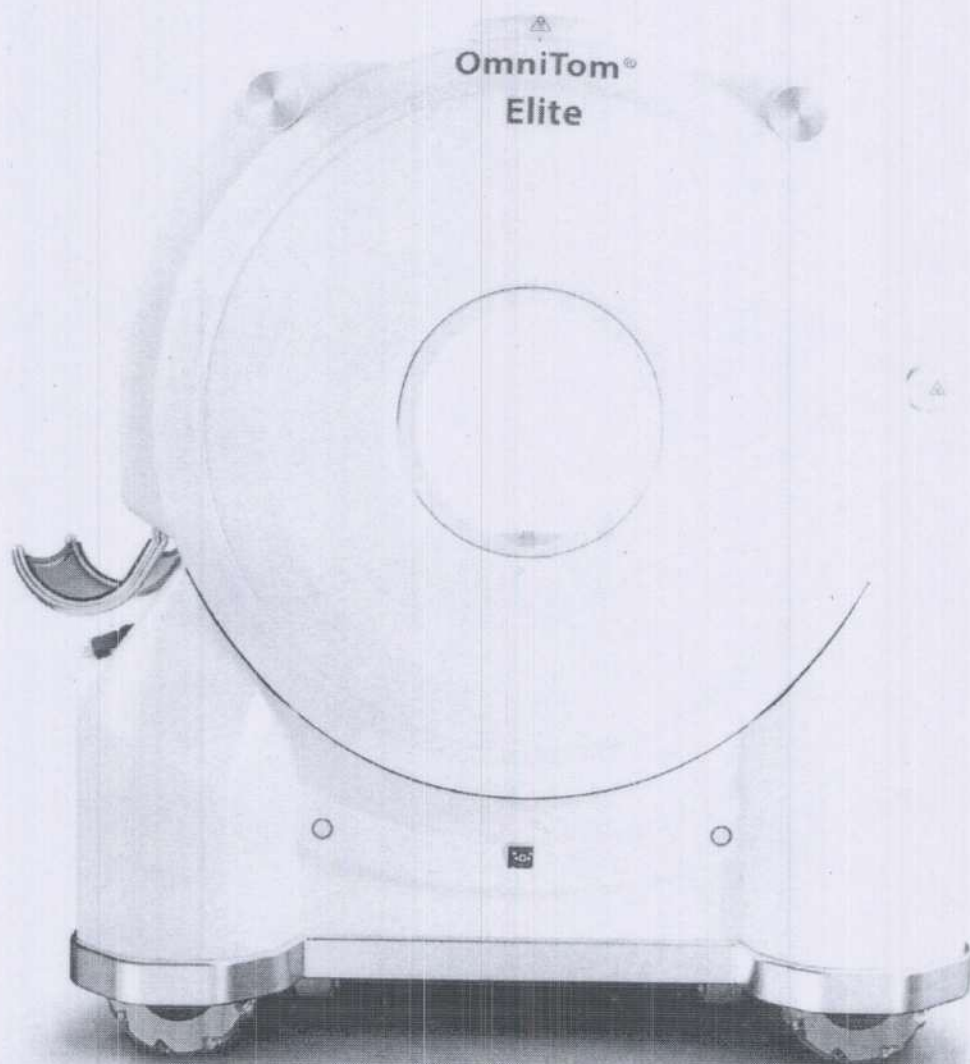
NeuroLogica Corp., dba Boston Imaging, a subsidiary of Samsung Electronics Co., Ltd.

Address: 14 Electronics Avenue | Danvers, MA 01923 USA

Office: 978.564.8632

OmniTom® Elite

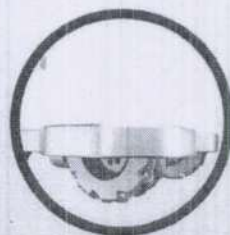
Bringing the Power of Imaging to your Patient



High Resolution CT Imaging
Customizable Noise Reduction



Intuitive Workflow Interface
Designed for the User



Automatic Bed Alignment
SmartAlign with the push of a button

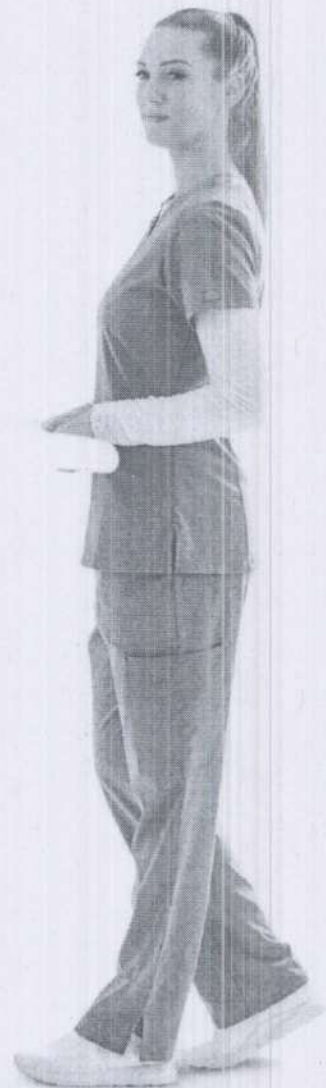
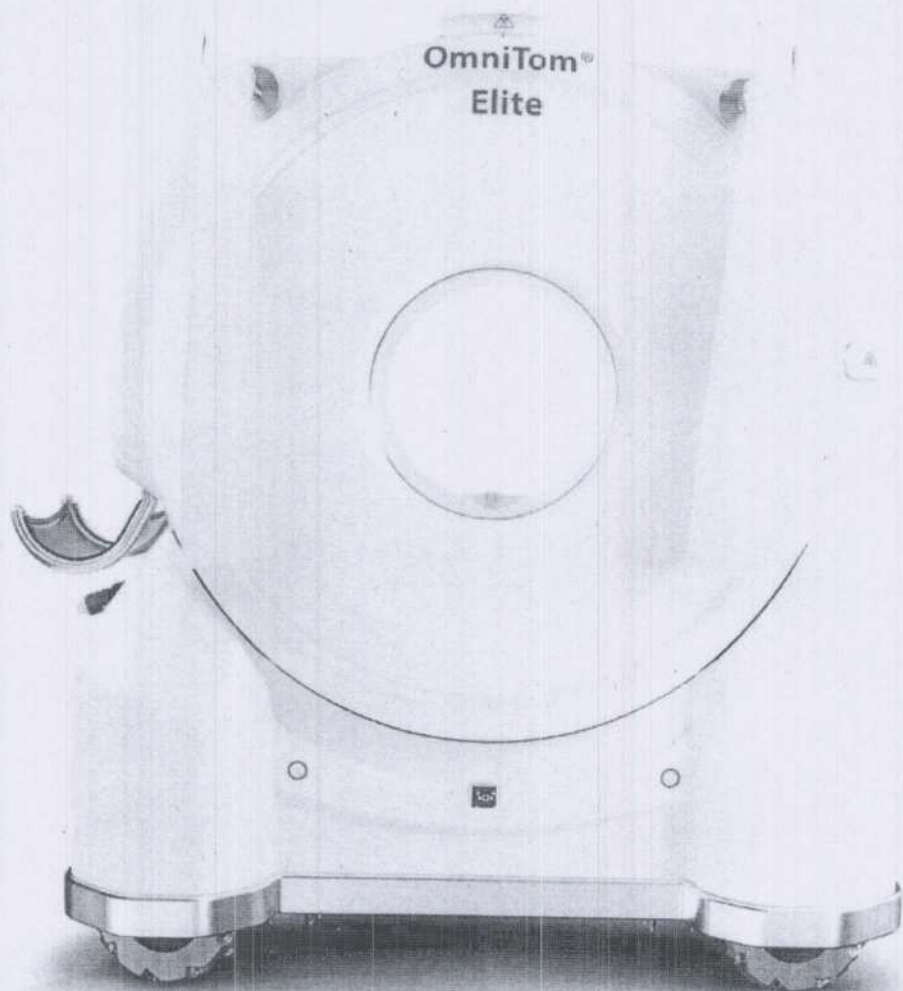


SCHILLER
The Art of Diagnostics

NeuroLogica

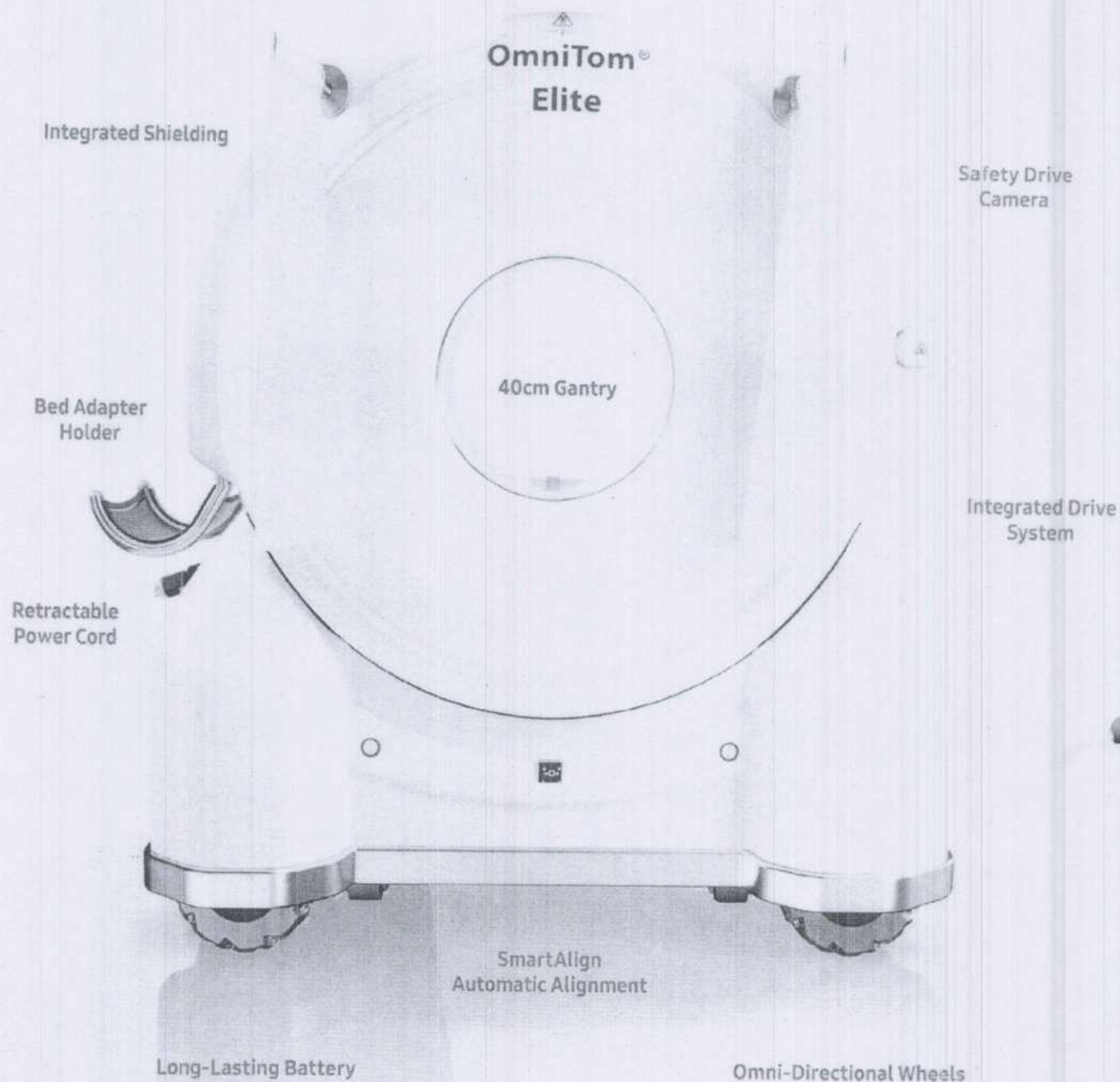
A Subsidiary of Samsung Electronics Co., Ltd

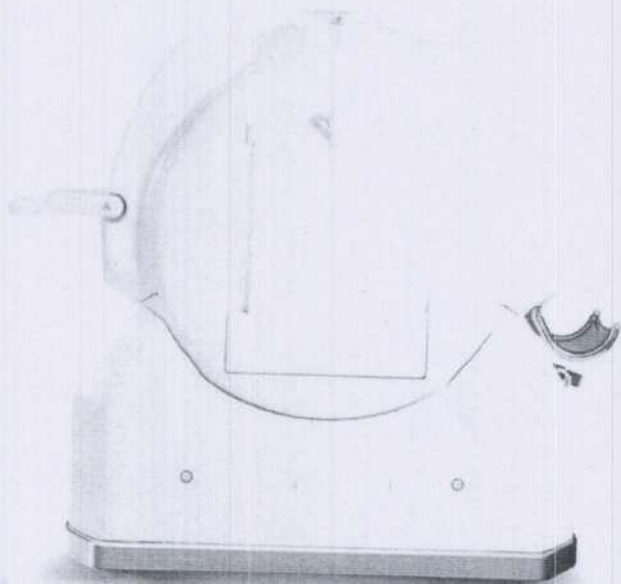
OmniTom[®] Elite



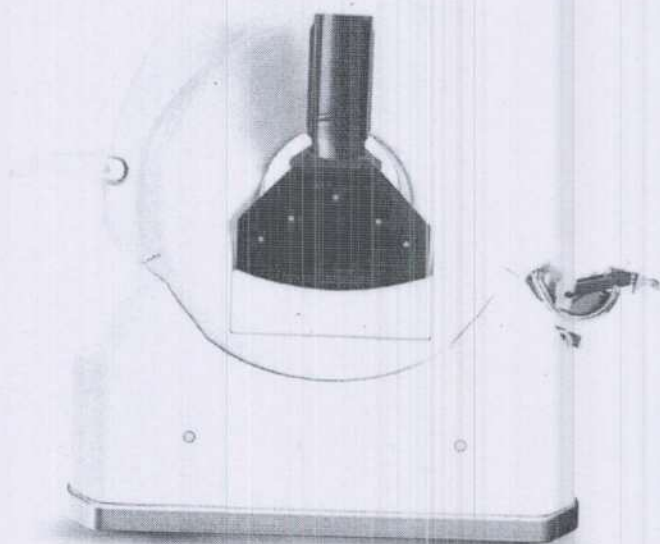
The OmniTom[®] Elite 16-slice mobile CT scanner delivers high-quality non-contrast CT, CT angiography, and CT perfusion scans at the point-of-care. The long-lasting battery is easily charged using a standard wall outlet, allowing for easy storage and transportation throughout your facility.

Get to know **OmniTom[®] Elite**





Retractable Lead Curtain



Scan Board Storage

Product Features

High Image Quality

- 16-Slice
- 0.625mm Detectors
- Customizable Noise Reduction

Enhanced Safety System

- Reduces Need for Transport of the Patient
- Internally Lead Shielded Front Cover
- Drive Camera
- Smart Sensing Collision Avoidance
- HIPAA Compliant

Advanced Features

- Ultra-low Electronic Noise System
- 24-Bit Lossless Image Processing
- CTA and CTP Capabilities

Intuitive Design

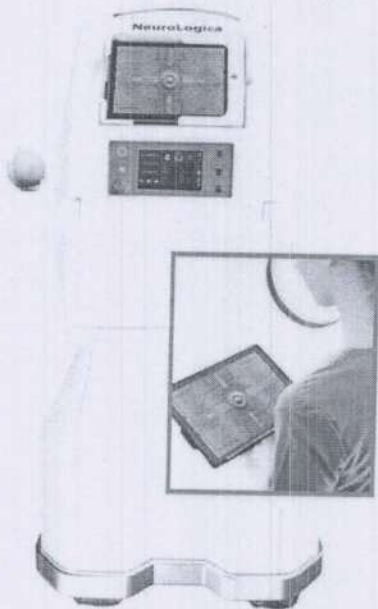
- Omni-Directional Wheels for Transport
- Integrated Drive System
- SmartAlign - Automatic Alignment
- Modern Touchscreen with Windows OS
- Integrates with ICU Beds and Hospital Gurneys
- Optional Intraoperative Head Clamp
- Dual Sided Controls and Tablet Storage

Mobile

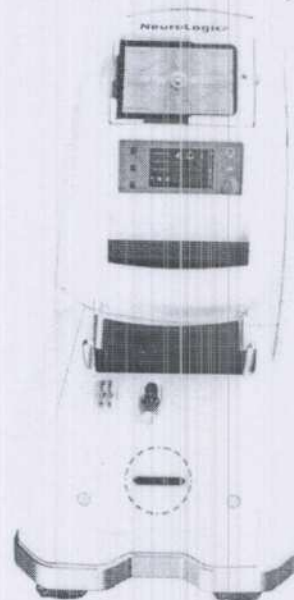
- Battery Powered
- Charges at a Standard Wall Outlet
- Wireless Connectivity to PACS and HIS/RIS

Product Dimensions

- Height: 59.6 in (151.3 cm) Scan Mode
- Height: 61.6 in (156.6 cm) Transport Mode
- Length: 65.4 in (165.2 cm)
- Width: 29.9 in (75.95 cm)
- Weight: 1700 lbs (774 kg)



Handheld Operator's Console



Safety Drive Camera

OmniDirectional Design

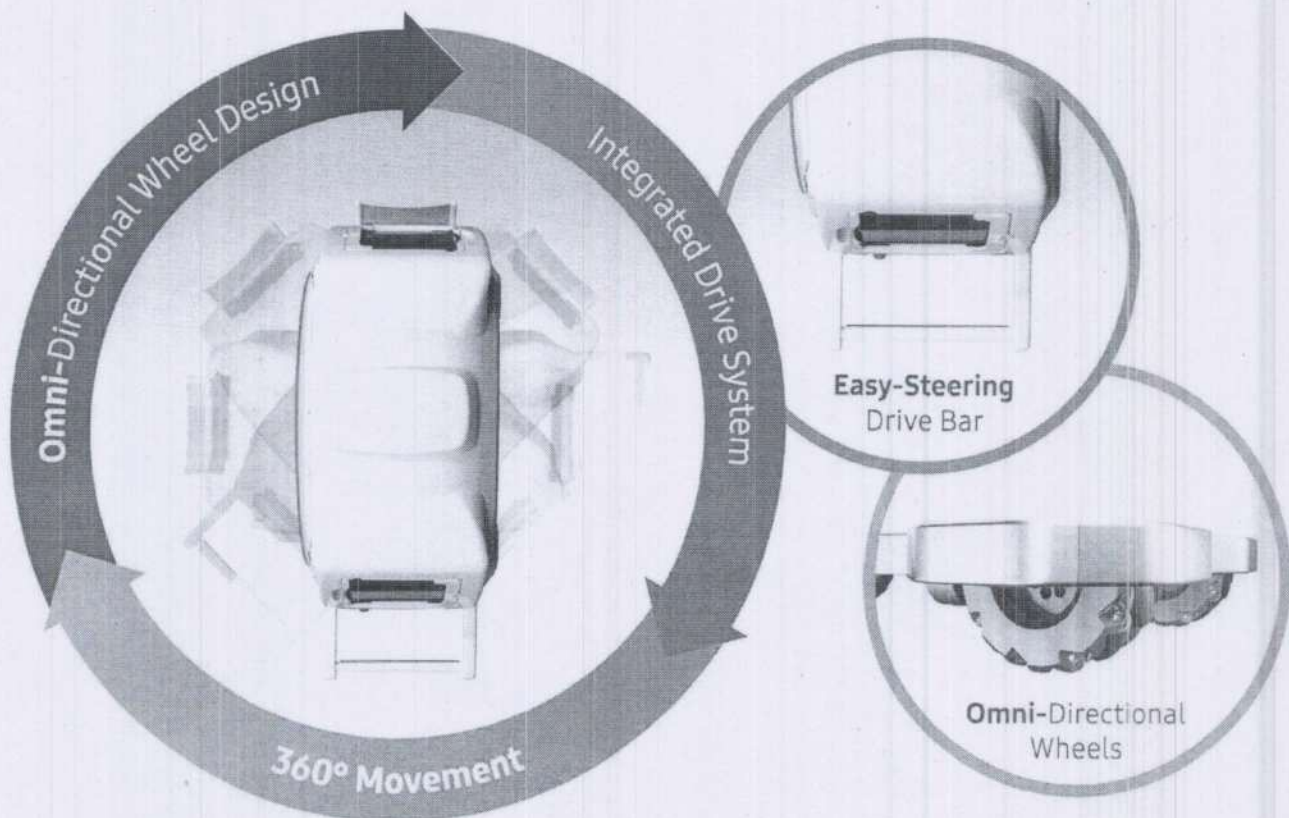
Easily Moved to Where it's Needed Most

Integrated Drive System

The OmniTom® Elite is the world's first medical device with an omni-wheel allowing for intuitive lateral, diagonal, and 360° movement. The integrated drive system and small footprint allows for easy maneuvering throughout your facility while the depth sensing camera with alarm, alerts for safer transportation of the scanner.

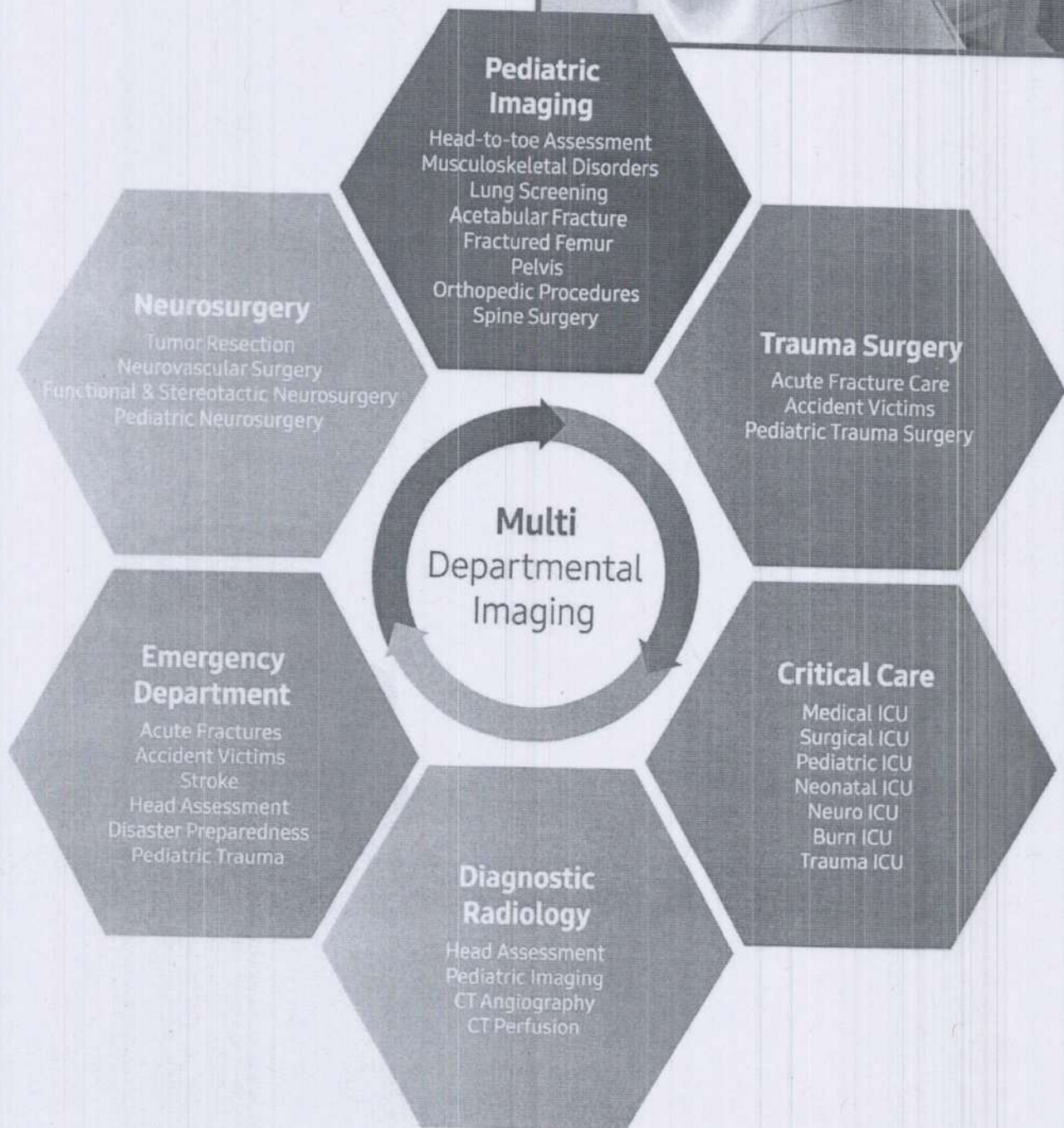
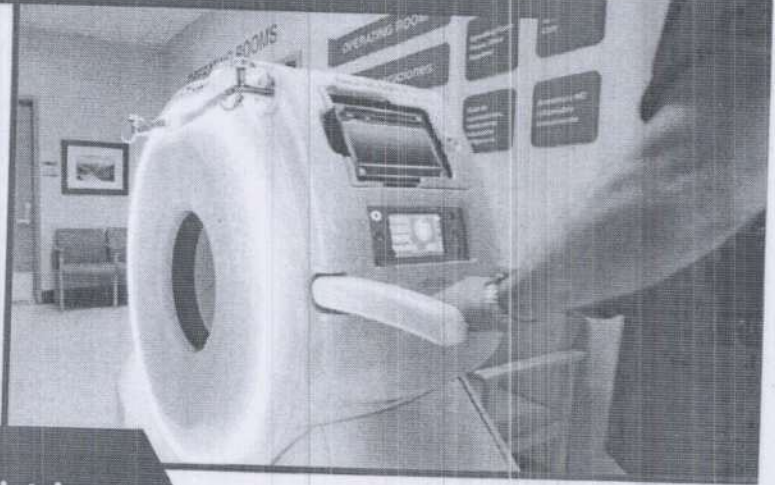
SmartAlign

Integrated camera allows the scanner to auto-align with the patient's bed at the touch of a button. Allowing for easier set-up in small rooms, while reducing image artifacts.



OmniCompetent

OmniTom® Elite goes where it is needed the most, to your patient. Make OmniTom® Elite Your Facility-wide solution.



Critical Care

"Clearly, the ability to image patients at their point-of-care in the ICU will facilitate rapid clinical decision-making and reduce the risks associated with transport...by reducing staff and time requirement for transport, the portable scanner may achieve annual cost savings of \$162,512. Equally as significant, having a scanner dedicated for ICU patients allows for the conventional scanner to perform an additional 1182 outpatient studies each year. Together taken, the introduction of the portable scanner may offer a net economic benefit of \$264,658 in the first year of its operation and a total benefit over 5 years greater than \$2,619,000."¹

Operating Room

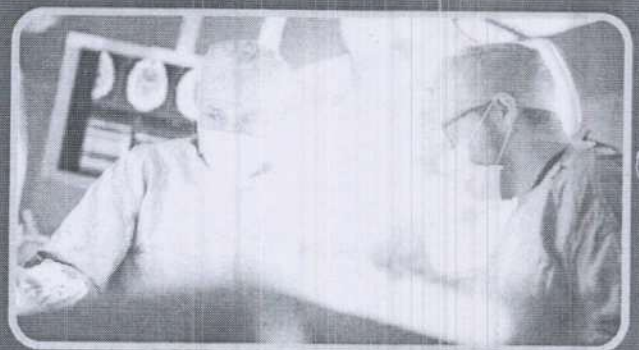
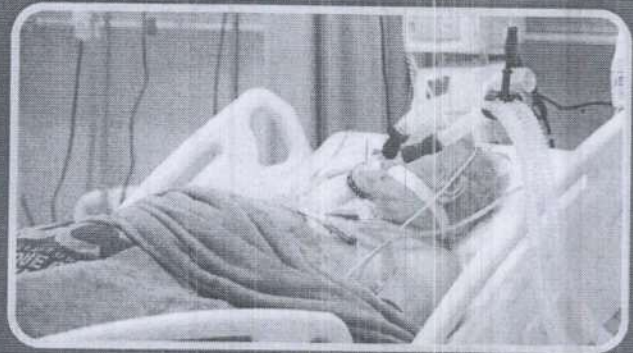
"Intraoperative portable-head CT leads to change in operative plans in 32% of selected cases. This potentially avoids return to the operating room and can diagnose or rule out remote lesions in need of additional intervention. The portable configuration allows for increased versatility and cost-effectiveness compared to fixed systems."²

Pediatric ICU

"Two-thirds of CT scans obtained in the PICU were portable because of patients' intensity of therapy and illness severity. Portable CT showed major new pathology in greater than 1/3 and led to a change in management in 1/4 of higher acuity patients scanned. The estimated radiation dose from portable CT is within the current national guidelines."³

Trauma

"After our preliminary experience, we suggest performing iCT in all cases of acute brain trauma needing surgical decompression or hematoma evacuation to rule out postoperative complications such as diffuse brain edema, newly occurring hemorrhages or hematomas, acute hydrocephalus etc. Rapid radiological evaluation of any pathological condition can be done directly in the OR this way, permitting prompt action and avoiding severe consequences."⁴



Advanced Imaging

Rapid Scans Right at the Point-of-Care

Reduce Artifacts

The highly advanced N-DAS detectors are built within a temperature regulated housing that helps maintain calibration between scans. An all new translation system for scanning, tracks the movement of the OmniTom® Elite with submillimeter accuracy.

Balance Dose Efficiency and Image Quality

The combination of an ultra-low electronic noise detector and a 24-bit lossless imaging chain reduces artificial image noise created by electronics. OmniTom® Elite is proud to support MITA smart dose and is XR-29 compliant with structured dose reporting and standardized protocols. Automatic Exposure Control (AEC) provides mA modulation during helical and axial scanning in order to regulate dose and image quality.

Maximize Workflow Efficiency

Perform CT angiography and CT perfusion at the bedside. Automatic bolus tracking helps to maximize workflow efficiency.

Advanced Reconstruction at your Fingertips

Fully featured advanced reconstruction for 3D and multiplanar reformation including average, minimum and maximum intensity projection, and oblique datasets.

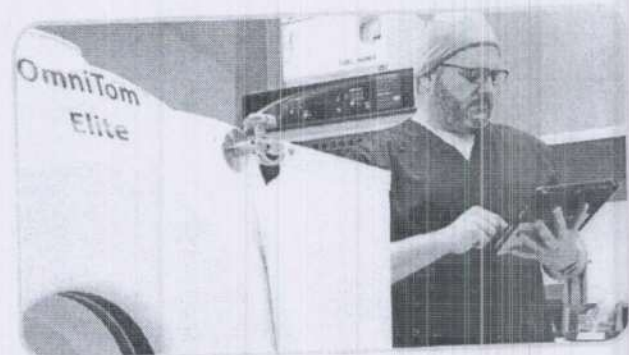
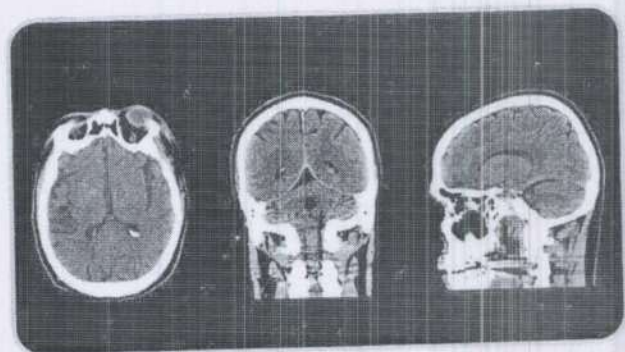
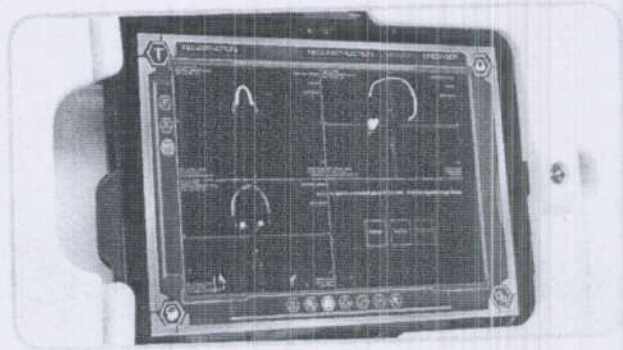
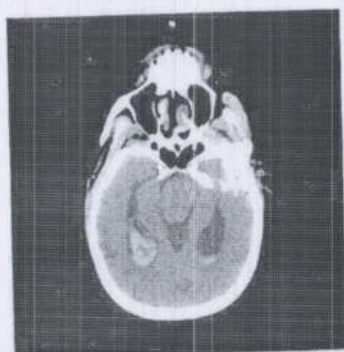


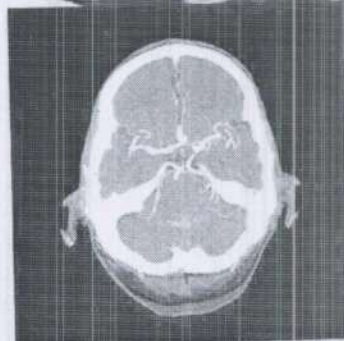
Image Gallery



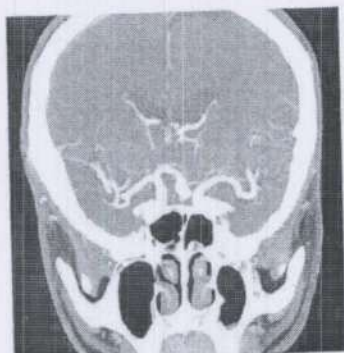
Adult Bleed



Adult Neuro



CTA



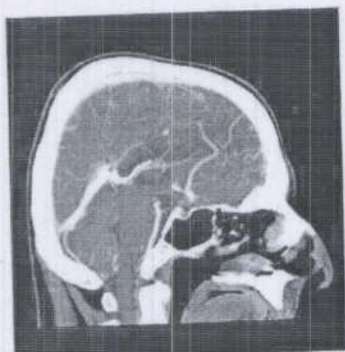
Coronal CTA



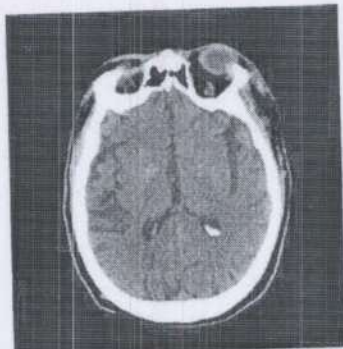
CTA



Adult Craniectomy



Sagittal CTA



Stroke



Adult Lower E tremity

Safe and Secure

The OmniTom® Elite brings safety and security to the forefront of any facility. Implementing the latest technology with high-tech sensors, a driving camera which allows the driver to avoid hazards, and automatic alignment which helps to ensure the OmniTom® Elite is positioned properly at the head of the bed.

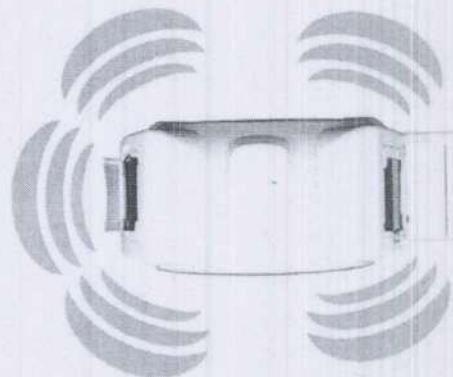
The internal lead shielding on front cover and external lead-free curtains help reduce the risk of exposure to scattered radiation for staff and adjacent rooms. With the removable bed adapter or silhouette scan board, the OmniTom® Elite can accommodate almost any size patient, while having them optimally positioned for the scan.

Omniscient to 270°

The combination of a forward facing drive camera and the S-Alert smart sensor system helps to visually and audibly warn the user of upcoming obstacles and allows them to avoid incident. Visual and audible cues alert the user and surrounding staff of when a scan is starting and when X-rays are being produced.

Patient Safety

Specialized radiolucent scan platforms have been designed for point-of-care usage. The ICU platform is securely attached to the head of the patient's ICU bed and allows for artifact free, isocentric imaging of the head and neck for any size patient. Neonatal patients can be safely scanned on the standalone pediatric cradle.



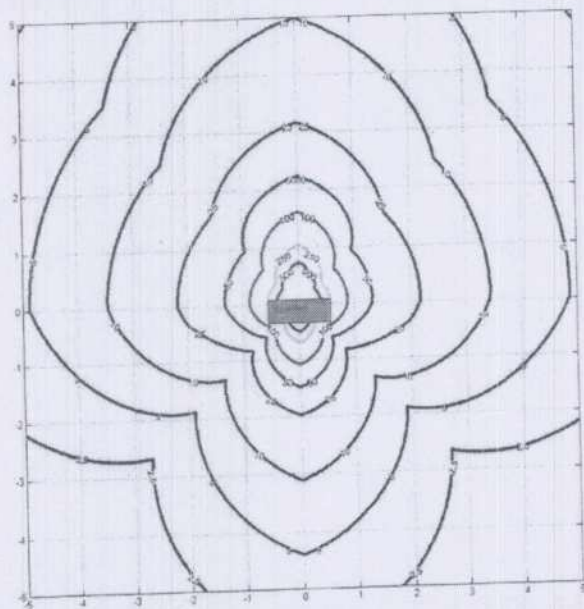
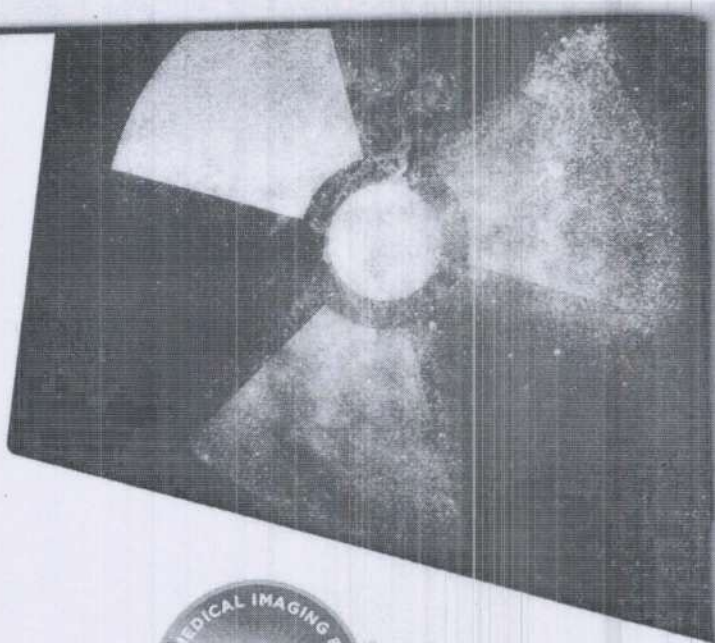
Radiation Safety

Safe for Staff

According to the ALARA standard 500mRem/year per operator and using a typical brain scan protocol at a distance of 2 meters (6 feet) from the OmniTom's isocenter, your operator can perform over 26 scans per day, for 250 days per year without any additional lead protection. The OmniTom® Elite front cover is internally coated with 0.3mm laminated lead providing maximum scatter reduction. In addition, 2 externally mounted 0.5 Pb equivalent curtains in the front and one .25mm in the back provide added shielding to the gantry.

Safe for Patients

OmniTom e ceeds the American College of Radiology's recommended guidelines for Computed Tomography Dose Index(CTDI). It is compliant with NEMA XR-29 and MITA Smart Dose, offering radiation dose structured reporting, pediatric & adult reference protocols, CT dose check, and automatic exposure control.



Exposure isolines for 120, kVp, 25 mA
Front and Back Curtains closed,
No Patient Absorption

Measurement in μR

OmniTom® Elite scatter data was acquired using the CTDI 16cm head phantom with the back curtain closed and the front curtains partially closed. The data was measured using a scan protocol with 120 kV, 25 mA and 2 second scans. The iso-dose curve are presented in μR per scan. The data can be converted to μRem by using the multiplication factor 0.87. (Radcal Corp., 20X6-1800 1800 cc probe, 2026C meter)

Protect Sensitive Information

The OmniTom® Elite's hardware is equipped to deal with the most demanding FDA and hospital guidelines for data and communication encryption. Patient data is protected at all times with secure erase features, limited stored information on the control tablet, and location tracking for lost or stolen equipment.

Secure your Care

Cybersecurity in healthcare poses a unique challenge – highly sensitive patient information may become direct targets of attacks. To address this need for cybersecurity, NeuroLogica provides a solution to protect against cyberthreats that may compromise patient data and ultimately degrade the quality of care. NeuroLogica's Cybersecurity Solution strives to abide by the CIA triad (Confidentiality, Integrity, and Availability) and takes a comprehensive approach to providing protection with the following pillars: Intrusion Detection, Access Control, Data Protection, and Vulnerability Assessment.



Intrusion Detection

Antimalware

Security tools such as antimalware and firewalls are required to effectively reduce security threats. Antimalware software protects against infections caused by many types of malware, including all types of viruses, as well as rootkits, ransomware and spyware. The firewall provides a means to filter network operations and traffic on the system.

Operating System Safety

NeuroLogica's CT devices use Windows 10 and Ubuntu operating systems (OS). The OS provides the ability to establish a user interface, and execute and provide services for running the scanner. NeuroLogica blocks unnecessary OS services, shared resources, and user accounts to minimize security threats.



Data Protection

Data Encryption

To prevent unauthorized access to sensitive data, Neurologica has implemented "data-at-rest" encryption. CT medical devices store all patient information in an encrypted format. Disk encryption is primarily used to encrypt the entire storage, requiring a passphrase to access the system.



Access Control

Account Management

NeuroLogica's CT medical devices provide role based authentication to ensure that users have access to only the necessary functions needed for their role. User management functions such as complex password settings, account lockouts, and password expirations encourage safe user account management.

Audit Trail

NeuroLogica's CT medical devices track user activities performed on the devices in order to aid in the investigation of cybersecurity threats. The audit trail records major security logs such as user login info, creation and modification of patient information, as well as several other user activities.

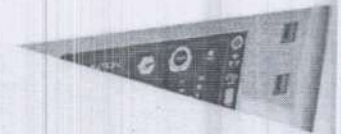
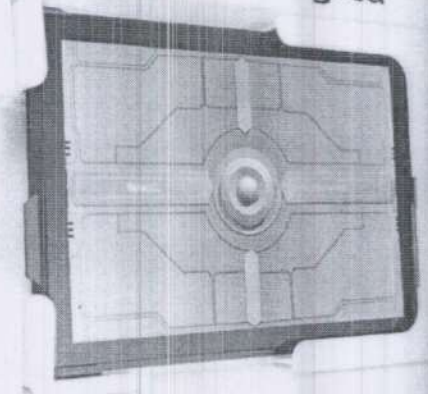


Vulnerability Assessment

Vulnerability Scans

Neurologica uses monthly vulnerability scans to discover any vulnerabilities or exploits associated with the device. Issues discovered are resolved and addressed in future software releases.

NeuroLogica



NeuroLogica, the healthcare subsidiary of Samsung Electronics Co., Ltd., develops, manufactures, and markets innovative imaging technologies and is committed to delivering fast, easy and accurate diagnostic solutions to healthcare providers. NeuroLogica, the global corporate headquarters and manufacturer of mobile computed tomography, is also the US headquarters for sales, marketing and distribution of all Samsung digital radiography and ultrasound systems. NeuroLogica's growing portfolio of advanced medical technologies are used worldwide in leading healthcare institutions helping providers enhance patient care, improve patient satisfaction, and increase workflow efficiency. Samsung is committed to being leaders in the field of healthcare imaging.

References

- 1) Masaryk, Thomas J, Renee Kolonick, Tracy Painter, and David B Weinreb. "The Economic and Clinical Benefits of Portable Head / Neck CT Imaging in the Intensive Care Unit." *Radiology Management* 30, no. 3 (2008).
- 2) Carlson, Andrew P, Jeremy Phelps, and Howard Yanas. "Alterations in Surgical Plan Based on Intraoperative Portable Head Computed Tomography Imaging." *Journal of Neuroimaging: Official Journal of the American Society of Neuroimaging* 22, no. 4 (October 2012): 324-28. doi:10.1111/j.1552-6569.2011.00580.
- 3) LaRovere, Kerri L, Molly S Brett, Robert C Tasker, Keith J Strauss, and Jeffrey P Burns. "Head Computed Tomography Scanning during Pediatric Neurocritical Care: Diagnostic Yield and the Utility of Portable Studies." *Neurocritical Care* 16, no. 2 (April 2012): 251-57. doi:10.1007/s12028-011-9627-3
- 4) Taddei, Graziano, Alessandro Ricci, Francesco Di Cola, Giuliano Maselli, Sara Marzi, and Renato J Galzio. "The Usefulness of Intraoperative Mobile Computed Tomography in Severe Head Trauma." *Neurosurgery* 23, no. 3 (January 2013): 401-3. doi:10.5137/1019-5149.JTN.5474-11.0.

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