





Who We are

Argon Medical Systems is involved in Medical Imaging Solutions such as CT Scanner Systems and MRI Systems in India. Our Comprehensive range of product, competitive price, cost policy, timely delivery and up-time service has given us a winning edge in the market.

Argon Medical Systems is an organization specializing in offering affordable medical imaging equipment and providing impeccable after sales & maintenance service to our valuable customer. With a large selection of fully reconditioned inventory, unique customer service programs, and a comprehensive knowledge of medical equipment technology, we provide an unparalleled solution to your medical needs. Dealing with refurbished Toshiba CT scanners from Japan. Elite is widely acclaimed by the medical fraternity in India for its outstanding service with the highest uptime and maintaining excellent customer relationship.

As a preferred service provider, we believe in building relations with the Doctors, Radiologists, Engineers, and the key people belonging to medical fraternity, who are instrumental in the establishment of hospitals & new medical facilities across the nation, through trust, integrity and emphasis on quality. Here at Argon Medical Systems, we hope that you will look to us as your first and best choice in the refurbished medical equipment industry. Our philosophy is simple. We pride ourselves on customer satisfaction and hold ourselves to the highest standard of customer service. We are committed to using our expertise in the industry to identify and provide the right medical equipment to our customers at the best price in a timely and professional manner.

OUR FACILITIES

Circuit Board and Power Supply Repairing Division

We have a state-of-the-art facility with skilled engineers and technicians with years of experience to repair all the PCBs. We have an exhaustive stock of all the Circuit board and power supply.



Training Division

At Training division, we provide knowledge and on-site training to our service engineer.



Testing Division

Using state-of-art facility and with the highly qualified service engineer team all the systems pass through testing before its deliver to customer site.



Inventory Division

Our Inventory Includes CT X-ray Tube, Circuit Boards, Transformers, Power Supplier, HT Generator and AC Controller. We provide cost effective parts to our valuable customer.



TOSHIBA

Activion 16 First Look :

- Multislice Detector
- High-speed scan
- High-quality images
- Outstanding operability
- Selectable image slice thickness
- Exposure reduction
- Sure- Fluro for biopsy and interventional procedure
- Tilt Helical scanning

Performance Specification:

- **Scan region :** Whole body , Including head
- **Scan system:** 360 degree continues rotate
- **Scan time :** 0.48 s(partial) , 0.75 s, 1 s, 1.5 s, 2 s and 3s
- **CT scanfield :** ϕ 180mm(SS) , ϕ 240mm(S) , ϕ 320mm(M) , ϕ 309mm(L) , ϕ 500mm(LL)
- **scan mode:** S&S , S&V.Helical ,GG-Helical , GR-Helical , Dynamic , SURE Start
- **Slice thickness :** 0.5 , 1 , 2 , 3 , 4 and 5 mm
- **Gantry tilt angle :** From forward 30° to backward 30°(in 0.5° increment)
- **Gantry aperture :** 720 mm in diameter
- **Continuous scan time:** Max. 100s
- **Real time helical reconstruction time:** 12 images/s(0.083 s/image)
- **Reconstruction mode:** Full image, Half image, Detail image
- **Scan rate:** Max. 133 scans/100s

X-Ray Generation:

- **X-ray exposure :** Continues
- **X-ray tube voltage:** 80 ,100 ,120 ,135 KV
- **X-ray tube current :** 10 mA to 300 mA (step of 10 mA)
- **X-ray tube heating capacity :** 4.0 MHU
- **X-ray tube cooling rate :** 864 KHU/min

X-Ray Detection:

- **Detection system :** Solid-state detectors
- **Main detector :** 800 chennals x 28 elements
- **Data acquisition :** 800 channels x 16 rows
- **Acquisition (16-rows):** 0.5mm x 16 rows, 1mm x 16 rows , 2mm x 16 rows

Reconstruction Filter Functions:

- Functions for brain and abdomen
- Functions for inner ear and bone
- Functions for lung
- Functions for super resolution mode for the inner ear, bone and lung

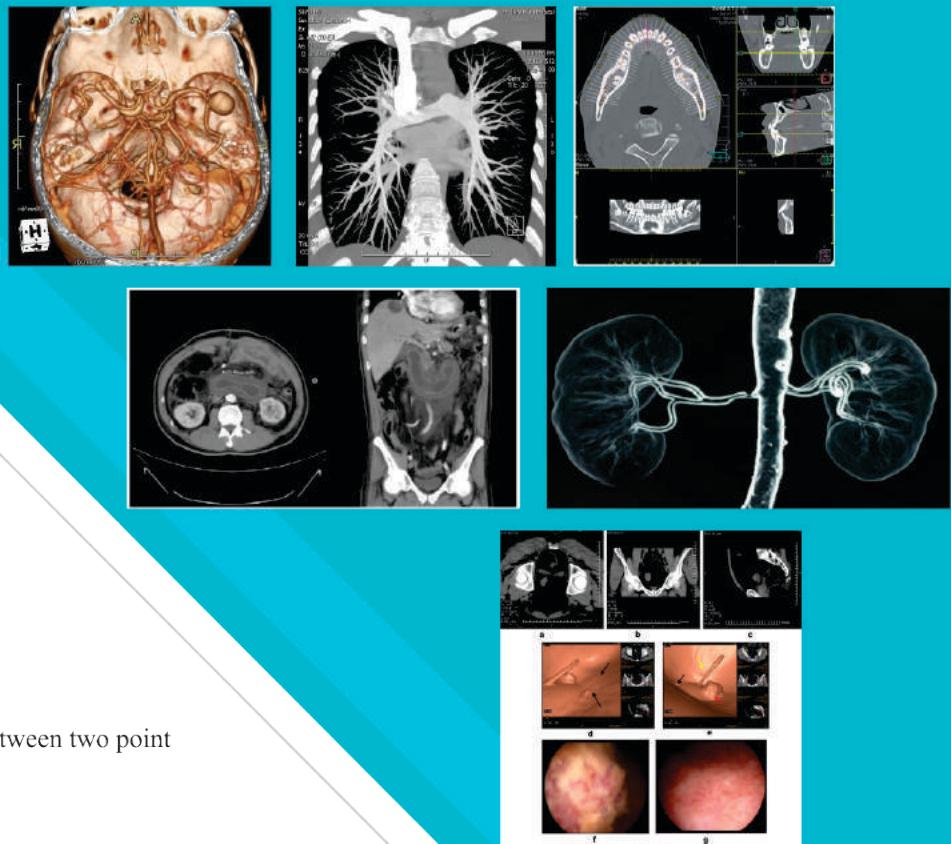


Image Processing:

- Slice position display
- Enlargement of scanogram
- ROI setting and processing
- Measurement of distance and angle between two point
- CT number display
- Volume calculation
- Addition/subtraction between images
- Screen save
- Multi view(auto MPR)
- Boost 3D™
- Zooming reconstruction
- Auto filming in exam plans

3D color image processing:

- 3D surface rendering
 - 1.Clipping, texture or non-texture
- 3D volume rendering
 - 1.Max-IP and Min-IP
 - 2.X-ray volume rendering
 - 3.Shaded volume rendering
 - 4.Zooming, panning, annotation, cutting, drilling
- Cine display
- 3-orthogonal planes/oblique/curved MPR
- Easy accurate bone elimination function
- High resolution mode
- Angiography procedure
 - 1.Lower limb and upper limb angiography
 - 2.Brain angiography
 - 3.Renal angiography
 - 4.Coronary and pulmonary angiography
 - 5.Ct flythrough virtual endoscopy(optional)

Power Requirements

- 200 VAC 3-phase (75 KVA Max)
- Room Temperature: 20°C -26°C
- Frequency : 50 Hz or 60 Hz ±0.5 Hz



Alexion-16 First Look:

Alexion is designed with the latest hardware, software, and reconstruction technologies to keep pace with your busy workload. AIDR can be applied to all acquisition modes for routine clinical use and is able to eliminate up to 50% of image noise, resulting in a dose reduction of up to 75%.

- Multislice Detector
- Advance visualization
- AIDR Technology
- Advance helical scanning
- Fast reconstruction
- Naviagation mode for operators
- Desire advance 3D and post-processing application

Performance Specifticaion:

SCAN PARAMETERS:

- Scan region :whole body , including head
- Scan system: 360 degree continues rotate/rotate
- Scan field : 480 mm max.
- Scan time : 0.75,1 , 1.5 ,2 and 3s
- CT scan field :[†] 180mm(SS) ,[‡] 240mm(S) ,[‡] 320mm(M) ,[‡] 309mm(L) ,[‡] 500mm(LL)
- Scan mode: S&S , S&V,Helical ,GG-Helical , GR-Helical , Dynamic , SURE Start
- Slice thickness : 1 , 2 , 3 , 4 and 5 mm
- Gantry tilt angle : From forward 30° to backward 30°(in 0.5° increment)
- Gantry aperture : 720 mm in Diameter

X-RAY GENERATION:

- X-ray exposure : Continues
- X-ray tube voltage: 80 ,100 ,120 ,135 KV
- X-ray tube current : 10 mA to 200 mA (step of 10 mA)
- X-ray tube heating capacity : 2.0 MHU/ 3.5 MHU

X-RAY DETECTION:

- Detection system : Solid-state detectors
- Main detector : 896chennals x 40 elements
- Data acquisition :788 channels x 16 rows
- Acquisition (16-rows): 0.5mm x 16 rows,
1mm x 16 rows , 2mm x 16 rows, 3mm
x 16 4mm x 16 rows, 5mm x 16 rows

RECONSTRUCTION UNIT:

- Image recon. Time : Min. 0.25s time per image
- Central processing unit :32-bit processor x 1
- Memory size : (1) Row data – 36 GB
(2) Image data- 16000 images

Other Clinical Features:

3D COLOR IMAGE PROCESSING:

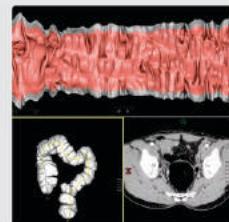
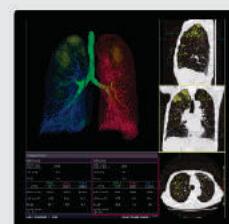
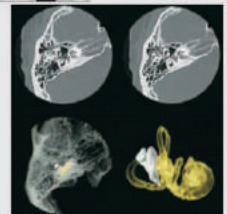
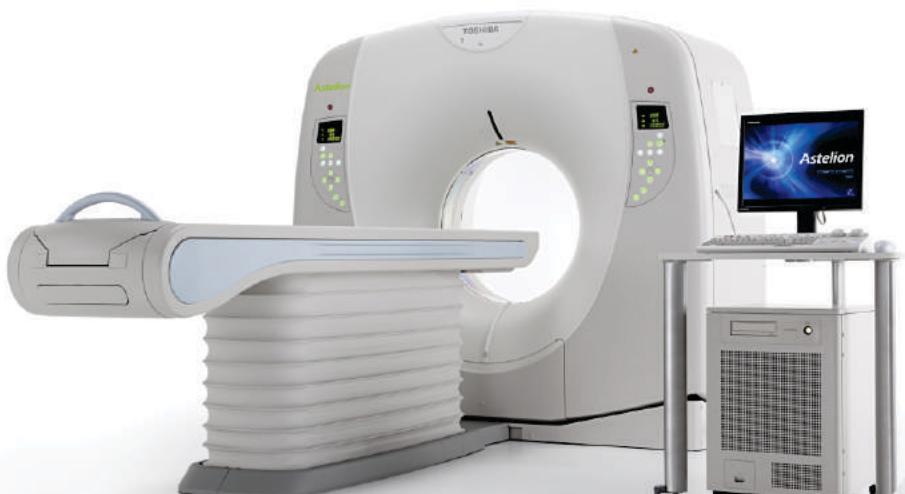
- 3D surface rendering
- 3D volume rendering (Max-IP & Min-IP)
- AIDR 3D(Adaptive Iterative Dose Reduction 3D)
- Sure Exposure 3D
- Boost 3D
- Cine display
- MPR and Curved MPR

ADVANCE 3D FEATURES:

- Lung volume analysis
- Colon view
- Fat index view
- Sure-subtraction of intra-cranial vessels from bone
- Lower limb and upper limb angiography
- Brain angiography
- Renal angiography
- Coronary and pulmonary angiography
- Ct flythrough virtual endoscopy(optional)

POWER REQUIREMENTS:

- 200 VAC 3-phase (75 KVA Max)
- Room Temperature: 20°C -26°C
- Frequency : 50 Hz or 60 Hz ±0.5 Hz





Aquilion 16 First Look:

- High speed scanning
- Long scanning range
- Excellent image quality
- Advance image reconstruction technology
- Tilt helical scanning
- Sure-fluro™(option)
- Upgradability(0.4 sec scanning option)
- High patient throughput

Features Of The Aquilion 16:

- Min 0.5 mm slice width
- Three slice-width combinations: 16 x 0.5, 16 x 1, and 16 x 2 mm
- Low-contrast resolution of 2 mm at 0.3% and
High-contrast resolution of 0.35 mm
- Large aperture - 720mm
- Extra-wide patient couch
- High-frequency X-ray generator
- High-heat-capacity X-ray tube
- Volume image processor
- Patient positioning accessories
- Image reconstruction at 12 frames per second
- Volume Viewing automatic image reconstruction

Performance Specification:

Technical Specification

X-Ray Tube :

- Heat storage: 7.5 MHU
- Heat dissipation rate: 1386 KHU/min MAX
- Tube cooling: Oil/air
- Tube focal spot: 1.6 x 1.4, 0.9 x 0.8 mm
(IEC standard)

Generator :

- Output: 60 kW
- Kvp range: 80, 100, 120, 135
- mA range: 10-500 mA in 10 mA steps

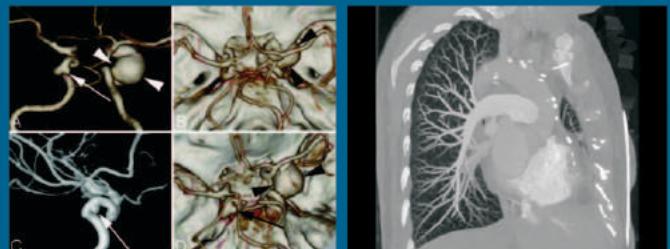
X-ray Detection System:

- **Detection system:** Solid State detector
- **Main detector:** 896 channels x 40 elements
- **Data acquisition :** 896 channels x 16 rows
- Scan time: Partial: 0.32; Optional 0.25
- Slice thickness: 0.5, 1, 2 mm (all x 16);
0.5, 1, 2, 3, 4, 5, 8 mm (all x 4)



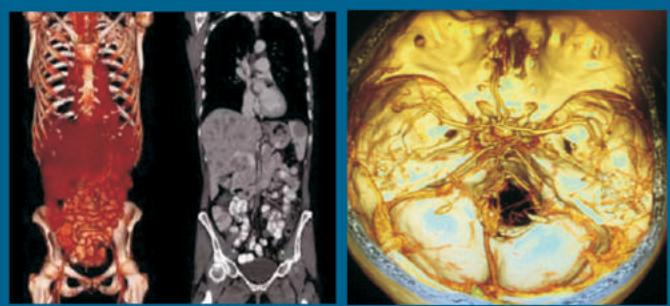
Image Processing:

- Measurement of distance and angle between two points
- Histogram
- CT number display
- Mark display (Grid display, Scale display)
- Volume calculation
- Enlargement, reduction, panning
- Band display (Non-linear windowing)
- Comment and arrow insertion
- Image filtering
- Image rotation (Arbitrary rotation)
- Screen save
- High-speed axial interpolation
- Quantum Denoising Software (QDS)



3D Color Image Processing:

- 3D surface rendering
 - 1.Clipping, texture or non-texture
- 3D volume rendering
 - 1.Max-IP and Min-IP
 - 2.X-ray volume rendering
 - 3.Shaded volume rendering
 - 4.Zooming, panning, annotation, cutting, drilling
- Cine display
- 3-orthogonal planes/oblique/curved MPR
- Easy accurate bone elimination function
- High resolution mode



Other Clinical Capabilities

- Cerebral blood-flow analysis system
- Quantitive bone mineral analysis
- CT fluoro
- Full DICOM feature set
- Pediatric scanning
- SureStart contrast tracking
- SureScan real-time imaging
- Volume rendered 3-D
- ECG gating
- Cardiac scoring
- Cardiac function analysis
- Angiography procedure



- Lower limb and upper limb angiography
- Brain angiography
- Renal angiography
- Coronary and pulmonary angiography
- Ct flythrough virtual endoscopy(optional)



Asteion Super-4 First Look:

- High-speed scanning
- Long scanning range
- Guided mode
- Exposure dose reduction
- Excellent image quality
- Tilt helical scanning
- High patient throughput
- Improvements in image analysis functions
- Multislice CT fluoroscopy (option)

Performance Specification:

SCAN PARAMETERS:

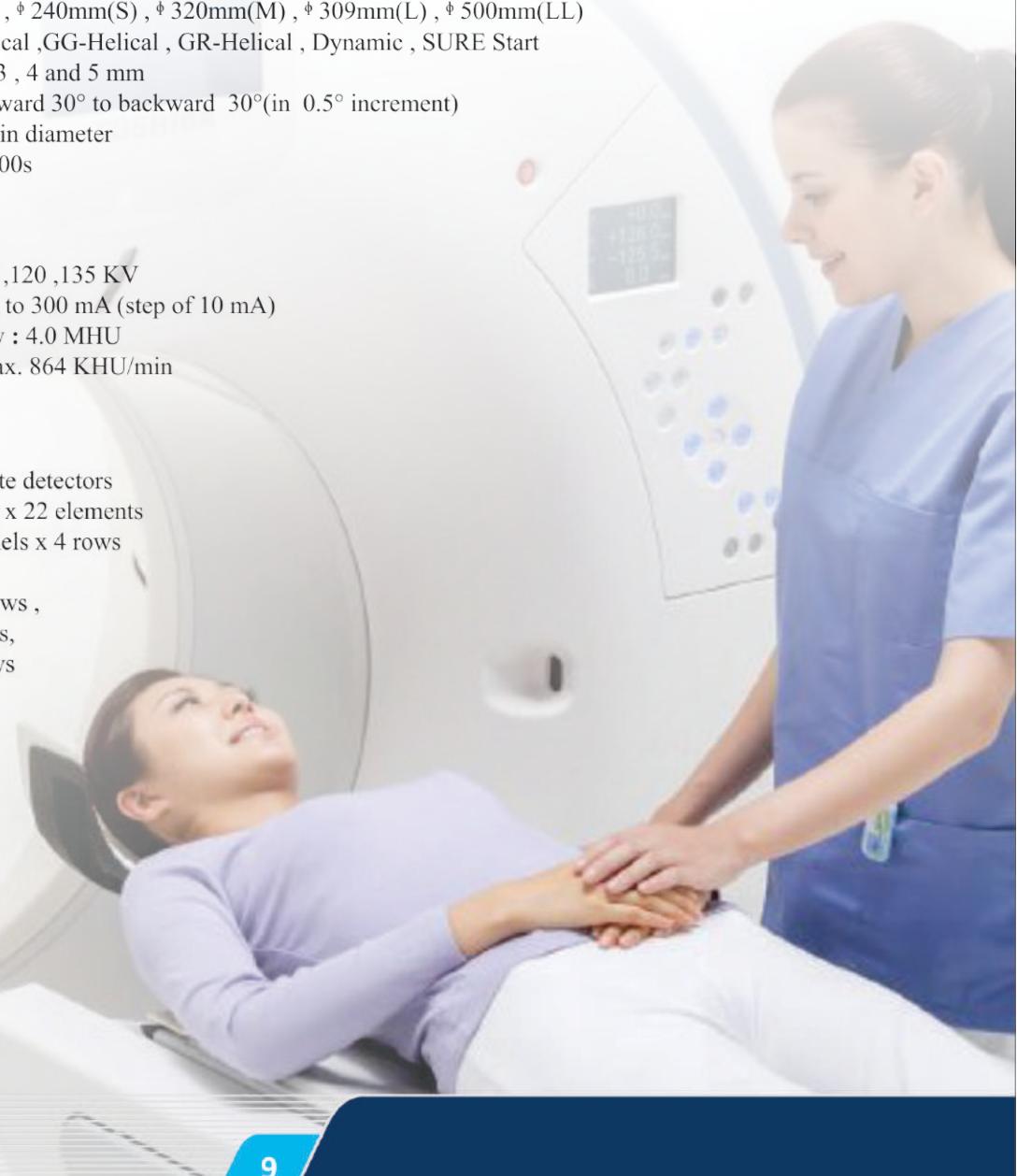
- **Scan region :** Whole body , Including head
- **Scan system:** 360 degree continues rotate/rotate
- **Scan field :** 480 mm max.
- **Scan time :** 0.75,1 , 1.5 ,2 and 3s
- **CT scan field :** ϕ 180mm(SS) , ϕ 240mm(S) , ϕ 320mm(M) , ϕ 309mm(L) , ϕ 500mm(LL)
- **Scan mode:** S&S , S&V,Helical ,GG-Helical , GR-Helical , Dynamic , SURE Start
- **Slice thickness :** 0.5 , 1 , 2 , 3 , 4 and 5 mm
- **Gantry tilt angle :** From forward 30° to backward 30°(in 0.5° increment)
- **Gantry aperture :** 700 mm in diameter
- **Scan rate:** Max. 133 scans/100s

X-RAY GENERATION:

- **X-ray exposure :** Continues
- **X-ray tube voltage:** 80 ,100 ,120 ,135 KV
- **X-ray tube current :** 10 mA to 300 mA (step of 10 mA)
- **X-ray tube heating capacity :** 4.0 MHU
- **X-ray tube cooling rate:** Max. 864 KHU/min
- **Max. power:** 42 KW

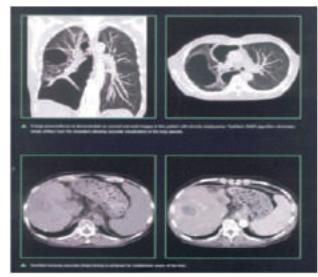
X-RAY DETECTION:

- **Detection system :** Solid-state detectors
- **Main detector :** 896chennals x 22 elements
- **Data acquisition :** 788 channels x 4 rows
- **Acquisition (4-rows):**
0.5mm x 4 rows, 1mm x 4 rows ,
2mm x 4 rows, 3mm x 4 rows,
4mm x 4 rows, 5mm x 4 rows



RECONSTRUCTION UNIT:

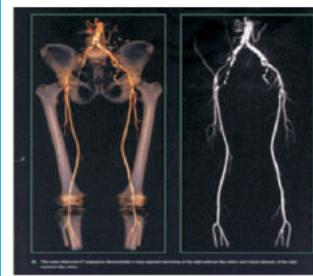
- **Image recon.** Time : Min. 0.25s time
- **Central processing unit :**32-bit processor x 1
- **Memory size :** (1) Row data – 36 GB
(2) Image data- 16000 images



Clinical Features:

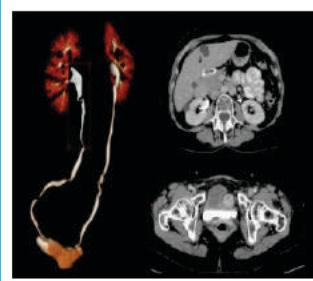
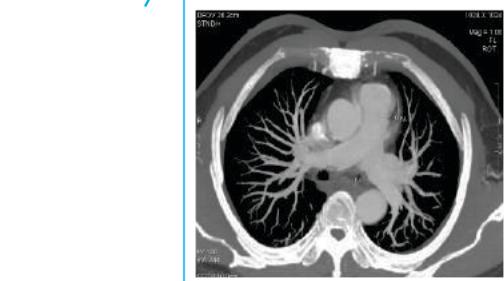
1. 3D COLOR IMAGE PROCESSING:

- 3D surface rendering
 - 3D volume rendering (Max-IP & Min-IP)
 - Cine display
 - MPR-3 orthogonal planes/oblique image Curved MPR
 - Display/processing function -Zooming, panning, measurement (distance, angle),annotation, cutting, Drilling
2. Cerebral blood-flow analysis system
3. Quantitative bone mineral study system
4. Display system for dental application
5. FlyThrough software (OPTIONAL)
6. Multislice CT fluoroscopy (OPTIONAL)
7. Color printer interface
8. Pediatric scanning system
9. ECG-gated scanning system
10. Auto filming in exam Plans
11. Angiography technique:
 - Lower limb and upper limb angiography
 - Renal angiography
 - Pulmonary angiography



Power Requirements:

- 200 VAC 3-phase (75 KVA Max)
- Room Temperature: 20°C -26°C
- Frequency: 50 Hz or 60 Hz



Performance Specification:**SPECIFICATION:**

- **Scan region :** Whole body , Including head
- **Scan system:** 360 degree continues rotate/rotate
- **Scan field :** 480 mm max.
- **Scan time :** 0.6 ,1 , 1.5 ,2 and 3s
- **CT scan field :** ϕ 180mm(SS) , ϕ 240mm(S) , ϕ 320mm(M) , ϕ 400mm(L) , ϕ 480mm(LL)
- **Scan mode:** S&S , S&V,Helical ,GG-Helical , GR-Helical , Dynamic , SURE Start
- **Slice thickness :** 1 , 2 , 3 , 5 ,7 and 10 mm
- **Gantry tilt angle :** From forward 30° to backward 30°(in 0.5° increment)

X-RAY GENERATION:

- **X-ray exposure :** Continues
- **X-ray tube voltage:** 80 ,100 ,120 ,135 KV
- **X-ray tube current :** 30 mA to 200 mA (step of 10 mA)
- **X-ray tube heating capacity :** 2 MHU OR 3.5 MHU
- **X-ray tube cooling rate:** 336 KHU/min (2.0 MHU)
735 KHU/min (3.5 MHU)

X-RAY DETECTION:

- **Detection system :** Solid-state detectors
- **Main detector :** 640 channels x 16 elements
- **Data acquisition :** 640 channels x 1 rows
- **Acquisition :** 1mm x 1 rows , 2mm x 1 rows, 3mm x 1 rows,
4mm x 1 rows, 5mm x 1 rows

RECONSTRUCTION UNIT:

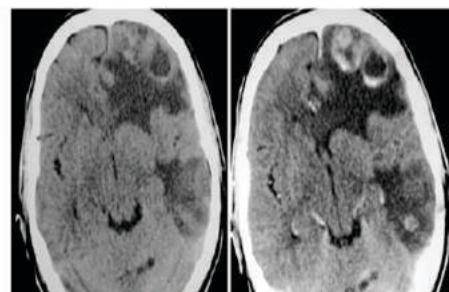
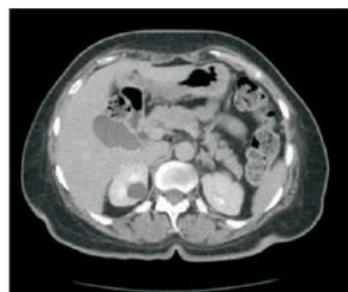
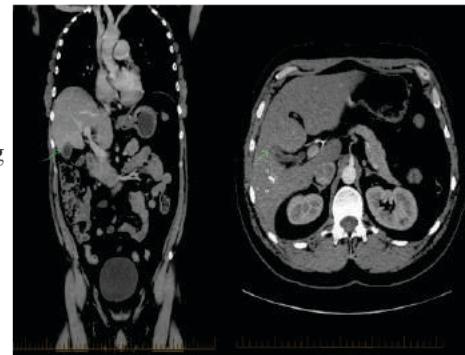
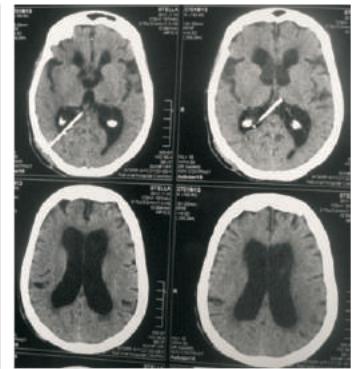
- **Image recon. Time :** Min. 1.00s time
- **Central processing unit :** 64-bit processor x 1
- **Memory size :** (1) Row data – 3000 Rotation
(2) Image data- 32000 Images



Other Clinical Features:

3D COLOR IMAGE PROCESSING:

- 3D surface rendering
 - 1.Clipping, texture or non-texture
- 3D volume rendering (Max-IP & Min-IP)
 - 1.Maximum intensity projection (Max-IP)
 - 2.Minimum intensity projection (Min-IP)
 - 3.X-ray volume rendering
 - 4.Intensity volume rendering
 - 5.Shaded volume rendering (an arbitrary opacity curve can be set)
- Cine display
- MPR and Curved MPR
- Display/processing function
 - 1.Zooming, panning, measurement (distance, angle),annotation, cutting, drilling
- Color printer interface
- Pediatric scanning system
- Histogram
- CT number display
- Mark display (grid display, scale display)
- Volume calculation
- Enlargement (arbitrary size)
- Addition/subtraction between images
- Comment and arrow insertion
- Top/bottom, right/left, black/white reversal of image
- Image filtering
- Screen save
- High-speed axial interpolation
- Quantum denoising software (QDS)



POWER REQUIREMENTS:

- 200 VAC 3-phase (60 KVA Max)
- Room Temperature: 20°C -26°C





Aquilion 64 first look:

Proven Performance, Uncompromised Speed

The Aquilion 64 lifts the award winning Aquilion multi-slice CT platform to a new benchmark. It is twice as fast as a 32 detector row CT system and comes with workflow-enhancing software that delivers unsurpassed image quality, improved dose management and superior patient care.

In a single breath-hold of 6-10 seconds, the Aquilion 64 can capture superior, precise images of the heart to help early detection of heart disease—often eliminating the need for invasive cardiac angiograms.*

- 0.5 mm x 64 detector row
- Leading Low Contrast Resolution LCR
- Quantum Denoising Software (QDS)

Boost 3D

- Improves image quality by reducing both quantum noise and structured noise in the raw data domain. Structured noise, unlike quantum noise, is noise that has a pattern, such as streaking artifact.

Performance specification:

Scan time : 0.5, 0.75, 1,1.5,2 and 3 sec

Gantry Type : Direct Drive Motor – Cylinder Type Rotation Frame

Scan field : 500 mm max.

Slice Thickness : 0.5 , 1, 2 ,3, 4, 6 and 8 mm

Acquisition (64-rows) : 0.5 mm X 64 rows, 0.5 mm X 32 rows, 1 mm x 32 rows,
0.5 mm X 16 rows ,1 mm x 16 rows, 2 mm X 16 rows

Gantry Aperture : 720 mm

X-ray tube Capacity : 7.5 MHU

Tube KV : 80 , 100, 120 and 135 KV

Tube mA : 10 mA to 500 mA (steps of 10 mA)

Rated output : Max 60 KW

Detection System : Solid state Detectors

Main Detector : 896 Channels X 64 elements

Reconstruction Time : 0.4 second

Real Technology : Real Time Helical (12 frames per second), SURE®Start
Special Applications : Cardiac function analysis software VesselView

Power Requirements : 200 V, 3 phase , 100 KVA

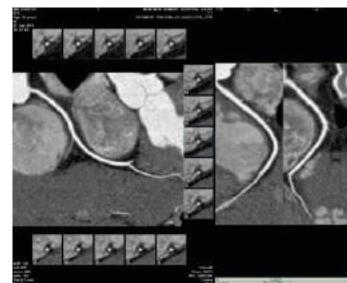
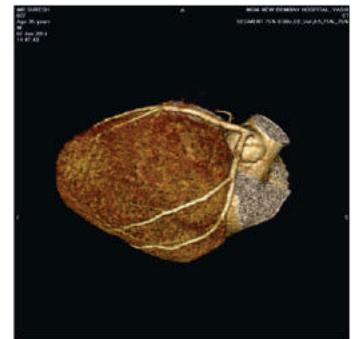
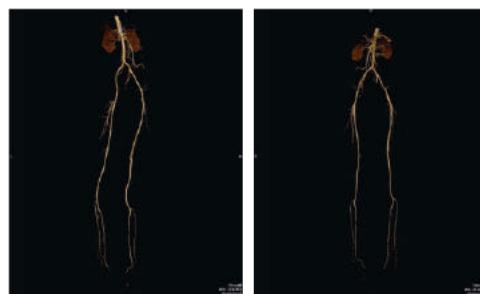
Room temperature : 20°to 26°C

Min. area for installation : CT room – 25 m² , control room – 6 m²



Advance clinical features:

- Superior and precise cardiac angiography
- High resolution Pediatric Abdominal study
- Pediatric Aorta view
- Aortic Stent Graft
- Coronary 3D image with vessel analysis
- Neuro and all body angios





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