



CS - 3005 CT - SCANNER 128 SLICE



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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>> Product Configuration

Gantry	
Aperture	76cm
Tilt	±30°
Scan Field	50cm
Rotation Time	0.37 s/rot,0.4 s/rot,0.5 s/rot, 0.6 s/rot, 0.7 s/rot, 0.8 s/rot, 0.9 s/rot, 1.0 s/rot, 2.0 s/rot
Focus-to-isocenter Distance	1015 mm
Focus-to-ground Distance	1012 mm
Scan Localizer	Laser positioning lamp) Sagittal and transverse localizer
Guiding screen	Multi-function LCD screen

Patient table	
Max. table Load	250 kg
Max.Scannable Range	1850mm
Max.Movement Range	1950 mm
Inaccuracy in scanning step movement	≤ ±0.25 mm
Table Feed Speed	5 mm/s ~ 150 mm/s ±3%
Vertical Travel Speed	565 mm
Console	
CPU	≥3.5GHz
Memory	≥32GB

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Hard-disk	≥5 TB
Image storage	≥16000000 (512×512 DICOM format)
Additional Storage	DVD Drive USB
LCD Monitor	24 "
Display matrix	1024×1024
X-ray Tube	
Tube Anode Heat Storage Capacity	5.3 MHU (3.8 MJ)

Cooling Rate	815 kHU/min(9.6 kW)
Max.Tube Voltage	140 kV
Focal Spot Size	1.0mm x 1.0mm
	0.5mm x 1.0mm
Generator	
Max. power	50.4 kW
Max.Tube Voltage	140kV
Max.Tube current	420mA @ 120kV
Continue exposure	Up to 100 second



Detector system	
Material	GOS solid Detector
Detector rows	64 rows
Min. Slice thickness	0.625 mm
Detector coverage	40 mm
Detector Array	64×0.625mm
Image scan number in axial mode	128 slice
ImageQuality	
Spatial resolution (high-contrast resolution)	≥21lp/cm (0% MTF); ≥17 lp/cm (10% MTF);
	≥10 lp/cm (50% MTF)
Image noise	≤ 0.35%

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3.0 mm @ 0.3%

Water: 0±4HU Air

: - 1000±10HU

Low-contrast detectability

CT value



>> Filming

- Digital film documentation, connection to a suitable digital camera.
- Connection via DICOM Basic Print
- Interactive Virtual film Sheet

Image transfer/Networking

Interface for transfer of medical images and information using the DICOM standard. Facilitates communication with devices from different manufacturers. DICOM Storage (Send/Receive) DICOM Query/Retrieve DICOM Basic print DICOM Get Worklist (HIS/RIS) DICOM MPPS DICOM Storage Commitment DICOM Viewer on CD

>> Application

MPR	Nerve System DSA*
SSD (Surface Shaded Display)	Brain Perfusion*
Volume Calculation, VR	Lung NoduleAnalysis*
AutoVoice	Coronary Calcium Scoring*
Auto Send	Coronary Artery Analysis*
Networking	Virtual Colonoscopy*
PreView	
Auto mA	
Bolus Tracking	
MIP	
MinIP	
VE	
AIP	
DICOM Viewer	
Bone Remove	
Vessel Measurable Analysis*	
Dental Analysis*	

05



>> Cardiac Scan System

Heart-scan CT with ECG-synchronized true isotropic volume acquisition using prospective

06

Scout Scan

4 projection mode: 0°, 90°, 180° and 270° ≥ 1850mm **Temperature** Scan room :20 \sim 26 $^\circ \! \mathbb{C}$ Operation room:18 \sim 28 $^\circ \! C$ Humidity of Scanning room : Scan room:30% -70%,Control room:20% - 80% Atmospheric Pressure : 70 kPa \sim 106 kPa **Power Supply Requirements** Power Capacity :100 kVA Input Voltage : Equipped with transformer, Power supply option: 380-480VAC Voltage Variation : Tolerance <±5% Frequency :50Hz/60Hz±1Hz **Environment Requirements** Min. Area of scanning room : $22.4m^2(5.6m \times 4.0m)$ Recommended Room Size :30m² (6.0m×5.0m)



HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicir	ng :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most
	affordable cost.
Trainings	:We also take up preventive Maintenace to reduce downtime of HPLC's Trainings.
AMC's/CMC	:AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-
	shooting.
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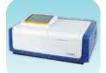


About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufaturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies

Infra FTIR







Optical Emission Spectrophotometer

Fully Automated

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Optima Gas Chromatograph 3007



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Flash

Chromatograph







Liquid Partical Counter



Total Organic Carbon 3800





Water purification system

NOVA-2100 Chemistry Analyzer

PCR/Gradient PCR/ RTPCR

TOC Analyzer

Laser Particle Size Analyzer

Atomic Absorption Spectrophotometer





URINOVA 2800 Urine Analyzer

Ion Chromatograph





Regulatory compliances



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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.





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