

# CT Scan-3008

## High Resolution CT Scan



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► **Standered Configuration**

<b>No.</b>	<b>Technical features</b>	<b>Descriptions</b>
<b>1</b>	<b>Gantry</b>	
1.01	Gantry type	PowerLink™ Non-Slip Technology
1.02	Gantry driven type	Strap Driven
1.03	Patient opening	70cm
1.04	Mechanical tilt capability	±30°
1.05	Gantry remote-Control	Provided
1.06	Detector type	Rare-earth ceramic detector
1.07	Distance of focus-isocenter	57mm
1.08	Distance of focus-detector	1010mm
1.09	Numbers of detector rows	64
1.10	Width of Z-axle detector	40mm
1.11	Detector columns of channels per row	896
1.12	Numbers of detector columns	896x64=57344
1.13	Data-transfer type	RF, optical fiber communication
1.14	3D laser orientation	Provided
1.15	Automatic exposure control (mA Modulation)	Provided
1.16	Auto-voice manager	Breath graphical display, Hold message (Record/Playback), Breath message (Record/Playback)
1.17	ECG-gating unit	External type, provided

No.	Technical features	Descriptions
<b>2</b>	<b>Scan Parameter</b>	
2.01	Shortest 360 degree rotation time	0.37s
2.02	Allowed rotation times	0.37s, 0.5s, 0.66s, 1.0s
2.03	Slice numbers per rotation	128
2.04	Minimum slice thickness of scan	0.625mm
2.05	Minimum slice thickness of reconstruction	0.625mm
2.06	Maximum slice thickness of scan	10mm
2.07	Nominal reconstruction slice thickness	0.625mm, 1.25mm, 2.5mm, 5.0mm, 7.5mm, 10mm
2.08	Speed of image reconstruction(512×512)	50 frames/s
2.09	Scan FOV	50cm
2.10	Image reconstruction matrix	512×512, 1024×1024
2.11	Image display matrix	512×512, 1024×1024
2.12	Maximum continuous scan duration	120s
2.13	Maximum continuous scan length	1800mm
2.14	Direction of TOPO	Front-back, Left-right
2.15	Max. length of TOPO	1800mm
2.16	Range of pitch	0.5~1.5
2.17	Scan mode	Scout scan Axial scan Helical scan Cine scan

No.	Technical features	Descriptions
<b>3</b>	<b>HVPS and X-ray Tube</b>	
3.01	Maximum continuous output of HV generator	80kW
3.02	Tube kV selections	80kV, 100 kV, 120 kV, 140 kV
3.03	Tube mA range	10-667mA
3.04	Tube anode heat capacity	8.0MHU
3.05	Heat dissipation rate	931kHU/min
3.06	Type of cooling	Oil cooling + Air cooling
3.07	Tube focus	Large: 1.1mm×1.2mm Small: 0.6mm×1.2mm
3.08	Dynamic flying focal spot technology	Provided
<b>4</b>	<b>Patient Table</b>	
4.01	Maximum horizontal-movable range	1900mm
4.02	Table horizontal-scannable range	1800mm
4.03	Table horizontal-position repeatability	±0.1mm
4.05	Maximum vertical-movable range	550mm
4.06	Lowest position above floor	430mm
4.07	Maximum speed of vertical movement	20mm/s
4.08	Maximum speed of horizontal movement	200mm/s
4.09	Maximum patient weight	205kg
4.10	Foot pedal of patient table control	Provided

No.	Technical features	Descriptions
-----	--------------------	--------------

## 5 Image Quality

5.01	High contrast resolution	21lp/cm@0%MTF
5.02	Low contrast resolution	2.0mm@0.30%
5.03	Isotropic imaging resolution	0.625mm
5.04	Range of CT numbers	-32767~32768
5.05	Image noise	≤0.29@25mGy

## 6 OC Workstation

6.01	CPU	3.5GHz
6.02	Memory	64GB
6.03	Storage of hard-disk	1Tx2
6.04	Monitor	24" LCD Monitor
6.05	Resolution of monitor	1920×1200
6.06	Image-data external storage type	CD/DVD/USB
6.07	Image reconstruction speed	50 frames/s
6.08	DICOM 3.0 interface	Provided
6.09	Printer DICOM 3.0 interface	Provided
6.10	Auto filming	Provided
6.11	Worklist function	Provided

No.	Technical features	Descriptions
-----	--------------------	--------------

<b>7</b>	<b>Post-processing Workstation</b>	
----------	------------------------------------	--

7.01 CPU	3.5GHz
7.02 Memory	16G
7.03 Storage of hard-disk	2Tx2 SATA Hard Disk
7.04 Monitor	24" LCD Monitor
7.05 DVD burner	Provided
7.06 Win10	Provided
7.07 4G Professional graphic display card	Provided
7.08 100M/1000M exchange device	Provided
7.09 ANYTHINK CT PLUS workstation software	Provided

<b>8</b>	<b>Advanced Applications</b>	
----------	------------------------------	--

8.01 Multi-planar reconstruction (MPR)	Provided
8.02 Curved Planar Reformation (CPR)	Provided
8.03 Shaded Surface Display (SSD)	Provided
8.04 Volume rendering (VR)	Provided
8.05 Maximum intensity projection (MIP)	Provided
8.06 Minimum intensity projection (MinIP)	Provided
8.07 Virtual endoscopy (VE)	Provided
8.08 CT angiography (CTA)	Provided
8.09 Tissue segmentation	Provided
8.10 One click bone remove	Provided
8.11 Automatic patient table remove	Provided

<b>No.</b>	<b>Technical features</b>	<b>Descriptions</b>
8.12	Bolus-tracking technology	Provided
8.13	Spiral auto start	Provided
8.14	Cine display	Provided
8.15	CT coronary artery analysis	Provided
8.16	LISA iterative reconstruction	Provided
8.17	Blood vessel analysis	Provided
8.18	Calcium scoring	Provided
8.19	Stenosis analysis	Provided
8.20	Stent simulation	Provided
8.21	Automatic tracking technology of contrast medium	Provided
8.22	Automatic linkage triggering technology	Provided
8.23	Abast™ bone artifact suppression technology	Provided
8.24	Abast™ metal artifact suppression technology	Provided
8.25	Admir <sup>3D</sup> all-field iterative reconstruction	Provided
8.26	Abast™ Tube Current Regulation technology	Provided
8.27	Low-dose pediatric scan technology	Provided
8.28	Low-dose lung scan technology	Provided
8.29	ECG gating technology	Provided
8.30	Low-dose cardiac (axial acquisition in spiral mode)	Provided

No.	Technical features	Descriptions
8.31	AccuHead grey-white matter enhanced technology	Provided
8.32	AccuOtica inner-ear high resolution scan technology	Provided
8.33	AccuBody high resolution scan technology	Provided
8.34	AccuBone high resolution scan technology	Provided
8.35	Aheart cardiac scan in spiral mode	Provided
8.36	Aheart heart coronary artery imaging technology	Provided
8.37	AccuImage microscopic Imaging technology	Provided
8.38	Ahead dual-energy imaging technology	Provided
8.39	Adose mA current modulation technology	Provided
8.40	CT Vessel Analysis	Provided
8.41	Tissue Fluoro	Provided
8.42	Tissue Element Analysis	Provided
8.43	Low-dose cardiac (axial acquisition in spiral mode)	Provided
8.44	CT Calcium Score Analysis	Provided
8.45	CT Coronary artery analysis	Provided



## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :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 Maintenance 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.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

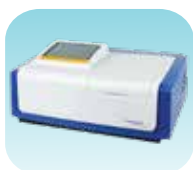
**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## 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, Manufacturing, 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



UV/VIS  
Spectro 2080+  
Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

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

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

## Reach us @



 **Analytical**<sup>®</sup>  
Technologies Limited

HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W. [www.analyticalgroup.net](http://www.analyticalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)  
[www.ais-india.com](http://www.ais-india.com)

Sales & Support Offices:  
across the country :  
Distributors & Channel  
partners World Wide