

Siemens Emotion 16

R. K. Associates - Zaid
Ebne Mairaj

Greater Noida

Sunrays Image Technology P. Ltd.

Our Ref: SIT/MRI/118

Date: 23/Nov./2021

Dear Sir,

As desired by your good offices, we are here submitting our proposal for the purchase of Pre-owned Siemens Somatom Emotion 16 Slice CT scan machine.

Technical details of the system here as followed:-

MODEL

Siemens Somatom Emotion 16

Number of slices

16

COUCH

Couch top material (COUCH)

Carbon fibre

Couch top length and width (cm) (COUCH)

222 x 43

Horizontal movement range (cm) (SCANNER GANTRY)

153

Horizontal movement speeds

(mm/sec) (Horizontal movement speeds)

1-100

Accuracy/reproducibility of table positioning (mm) (Horizontal movement)

±0.25

Scannable horizontal range without table top extension (cm) (COUCH)

153

Scannable horizontal range with table top extension(s) (cm) (COUCH)

153

Vertical movement range out of gantry (cm) (SCANNER GANTRY)

45-83

Vertical movement range in gantry

(cm) (Vertical movement range in gantry)

64-83

Minimum couch top height outside gantry (cm) (Vertical movement)

45

Maximum weight allowed on couch

(kg) (Maximum weight allowed on couch)

200

Maximum weight on couch which still achieves stated performance specifications (kg) (Weight bearing properties)

200

Generation (SCANNER GANTRY)

3rd

Slip Ring (SCANNER GANTRY)

Low voltage

Aperture (cm) (SCANNER GANTRY)

70

Scan fields of view (cm) (SCANNER GANTRY)	
Tilt range (degrees) (SCANNER GANTRY)	±30
Type of positioning lights (SCANNER GANTRY)	Laser
Accuracy of positioning lights (mm) (SCANNER GANTRY)	±1
Focus-isocentre distance (mm) (COUCH)	
Focus-detector distance (mm) (COUCH)	940
X-ray generator (POWER NEEDED, VAC)	
Type (CONFIGURATION)	High frequency
Location (COMPOSITION)	Rotation assembly
Power rating (kW) kV settings available (Maximum weight allowed on couch)	50, 80, 110, 130
mA range and step size (Weight bearing properties)	20-345(1mA steps)
Max. mA allowed for each kV (Weight bearing properties)	80 kV: 345 mA
X-RAY TUBE	
Type and make (X-RAY TUBE)	Siemens Dura 422MV Siemens Straton
Focal spot size(s) (mm), quoted to (X-RAY TUBE)	0.5 x 0.8
IEC 336/93 standard (X-RAY TUBE)	0.7 x 0.8
Settings at which focal spot (X-RAY TUBE)	Change automatically; small changes.
kW = kV x mA / 1000 (X-RAY TUBE)	up to 28 kW ; large up to 45 kW
Total filtration (inherent + beam shaping filter) at central axis (mm Al equivalent) (X-RAY TUBE)	6.3 (140kV)
Anode heat capacity (MHU) (SCANNER GANTRY)	5
Maximum anode cooling rate (kHU/min) (SCANNER GANTRY)	810
Method of cooling (X-RAY TUBE)	Oil to air
Guaranteed tube life (SCANNER GANTRY)	200,000 scan seconds
Detector type (DETECTOR CHARACTERISTICS)	Solid state (Ultra Fast Ceramic)

Maximum number of simultaneously acquired data sets (no. of (X-RAY TUBE)

Number of detectors per row (Maximum anode cooling rate) 736 (1472 channels)

Number of elements along z-axis (Maximum anode cooling rate) 24

Effective length of each element at isocentre (mm) (SCANNER GANTRY) 16 x 0.6, 8 x 1.2

Total effective length of detector array at isocentre (mm) (SCANNER GANTRY) 19.2

Option for more slices / rotation (Maximum anode cooling rate) Yes

MAIN CONSOLE

Diagonal dimension of image screen (inches) (Image monitor) 19

Number of monitors at console (functions of each if > 1) (Image monitor) Up to 6 (including one workstation, shared database)

Image area matrix dimensions (Image display) 1024 x 1024

Usual range of CT number displayed (HU) (Image monitor) (-10,240 to 30,710 if metal implants)

Accuracy of distance measurements in x-y plane (mm) (Image display) depends on pixel size

Weighted CTDI (CTDI_w or CTDI_{vol}) displayed on console (X-RAY TUBE) Yes

Dose Length Product (DLP) displayed on console (Dose information) Yes

Geometric Efficiency displayed on console when <70% (Dose information) >70% for all collimations

Control methods (SCANNER GANTRY) Mouse, keyboard

Softwares:

SureView; CARE Dose 4-D; HeartView CT; syngo Perfusion; CARE Vision CT fluoroscopy; CARE Bolus; syngo Osteo; syngo Dental; syngo Pulmo; syngo Image fusion (CT/MRI/PET); syngo advanced LungCare; syngo 3-D VesselView; syngo Fly Through; syngo Argus; syngo I, adw

TOTAL PRICE FOR THE COMPLETE SYSTEM.....Rs80,00,000/- + GST and TCS

Rupees Eighty Lacs only plus GST and TCS

Inclusions

- Packing, Forwarding, Insurance of the Equipment.
- Door Delivery & Transportation up-to the Site.
- Assistance in the site planning for commissioning of the machine.
- Commissioning of the equipment at the client premises.
- 12 months comprehensive warranty from the date of installation.

Exclusions

- Meeting all room requirements for installation of the machine.
 - All & any Civil works at the site related to CT Scan sites.
 - Required power supply and the distribution Mains Panel.
 - Air-conditioning as per the planning guide.
 - Earthing Stations with Resistance < 2 Ohms (3 Numbers).
 - Site to be made ready Dust Free & Air-Conditioning Working.
 - Regulatory (AERB) approvals and licenses
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- **Payment mode: - 100% In Advance.**
 - **Machine will be installed in 60 days after confirmation of order.**
 - **One-years service and spare parts replacement warranty all is including.**
 - **1 Lac scan second guaranty on prorated bases for the Tube**
 - **Breakdown calls will be attended ASAP**

For R. K. Associates

For Sunrays Image Technology Pvt. Ltd.

Zaid Ebne Mairaj

Ravipal Singh

Terms and Conditions:

1. **IMPORT DUTY**
Any import duty, taxes applicable in your country is the responsibility of the customer.
Any clearances, licenses, approvals required to run the machine is customer responsibility.
Installation tools required to install the machine shall be sent to your country on a temporary basis, and once the installation is complete the tools shall come back to India. It is the customer's responsibility to facilitate the movement of the tools without problem.
Once the machine reaches the port of the said country, the customer shall make all necessary arrangements to get it cleared from the customs and get it delivered to the site.
2. **DELIVERY SCHEDULE**
The accepted delivery schedule starts from the date of receipt of confirmed order/or this signed quotation along with 80% advance.
3. **PACKING & FORWARDING:** Included
4. **ERECTION & COMMISSIONING** Included
5. **UNLOADING**
Unloading & shifting into position of the equipment will be the responsibility of Sunrays IT. All necessary admin arrangements /support such as providing local labor /cranes /equipment required for shifting will be **customer's responsibility** and payable directly by the customer to the concerned third party.
6. **TECHNICAL SPECIFICATIONS**
The technical specifications & features given are fully in accordance with the OEM data sheet.
7. **WARRANTY**
(i) Sunrays IT agrees to give One Year parts and labor warranty on the MRI machine. This warranty will be with effect from the date of installation of the same or 13 months from the date of Delivery whichever is earlier) at the site of the First party and subject to the condition that all payments are fully made/cleared as per the MOU, failing which the warranty given by the Second party shall stand void.
8. **SITE & EQPT. MAINTENANCE**
(i) The customer shall be responsible for maintaining the Site and environment including temperature, humidity control, incoming power quality, air conditioning and electrical requirement as recommended by equipment manufacturer and relevant to Indian conditions. Any damages due to deviation from these at the customer's end will not be covered under this agreement.
(ii) Customers shall be responsible for taking 'PEST CONTROL' at their site at their own expense. Damages if any caused to the system due to rat bite or other insects shall not be the responsibility of Sunrays IT and parts damaged will not be covered under warranty.
(iii) Sunrays Image Technology shall not be liable for failure to keep any equipment in working order when such failure is due to causes beyond their reasonable control and maintenance, repairs and replacement caused by or required by or resulting from the fault or negligence of the customer or any other companies engineer performing maintenance or provide service.
9. **BANK DETAILS**
A/c Name : Sunrays Image Technology Pvt. Ltd.
Bank Name : HDFC Bank
Account No : 50200002985248
RTGS : HDFC0000348
Branch : Vidyadhar Nagar, Jaipur
10. **ORDER CANCELLATION**
In Case of cancellation of order:
(i) By Sunrays Image Technology due to unavailability of unit or inevitable circumstances wherein the unit could not be procured from International Seller due to various reasons : 100 % of payment received + 2% interest cost for the period payment was in account of Sunrays IT.

(ii) By customer after the unit has been reserved or unable to p
MOU/this signed quotation: 10% advance given shall be adjusted and non-refundable as the same amount has been paid to procure the unit. Once the machine is shipped the order can't be cancelled.

11. DELAY DUE TO REASON BEYOND

Sunrays Image Technology shall not be liable for any loss or CONTROL damage to the delay in delivery of the machine to the customer from any condition beyond their reasonable control, including but not limited to compliance with any regulation order or instruction of any control or state Govt. or any departmental or agency thereof, Acts of God, fire, strike, delay by shipping lines, embargoes, war, riots, pandemic lockdown etc. and that the customer clearly understands that the delay resulting from any such case shall extend delivery date correspondingly. . In case of MRI machine which require Helium, the installation of the machine is entirely dependent on Helium availability from Indian supplier. The installation may get delayed due to non-availability of Liquid Helium. In case of quench during installation the installation may further get delayed and that the customer clearly understands the delay resulting from any such case shall extend delivery/installation date correspondingly and cannot hold the company responsible for it.

12. ARBITRATION

That in case any dispute arises between the first and the second party in relation to the terms of this MOU, the same shall be settled through "Indian Arbitration Act", Jaipur Jurisdiction instead of going through long legal processes .

13. VALIDITY

This offer is valid till 30 days from the offered date.

Both parties hereto are signing below in agreement of the foregoing terms & conditions of this quotation.

For R. K. Associates

For Sunrays Image Technology Pvt. Ltd.

Zaid Ebne Mairaj

Ravipal Singh