

INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

REQUEST FOR QUOTATION

Tender No. IITK/TA202-Lab./2018-2019/02

Tender Opening date: 13/02/2019

Tender Closing Date: 25/02/2019

Sealed two bid system type tender are invited for 3D Laser Scanner as per details given below.

Quantity: 01

Tender Document for 3D Laser Scanner

Features:

1. Industrial measurement accuracy up to: 0.02mm, Resolution: 0.05mm.
2. Handheld scanning: No any outer measurement arm or aid should be required.
3. Triangle self-positioning technology, parts can move freely, high accuracy should be assured without fixed installation.

Hardware Specifications:

Weight	Not more than 1 kg
Measurement Efficiency	480,000 times /s - 900,000 times /s
Scanning Range	375 × 350 mm
Light Source	7 laser crosses (+ extra 1 beam), or 3 laser crosses (+ Extra 1 beam)
Laser Class	Class 1 (eye-safe)
Resolution	up to 0.05 mm
Accuracy	up to 0.02 mm
Volume Accuracy	0.02 + 0.06 mm/m
Volume Accuracy (Combined with Photoshop)	0.02 + 0.025 mm/m
Reference Distance	300 mm
Focus Depth	250 mm
Output Format	.asc, .stl, .obj, .ply, .txt, .xyz etc., customisable
Type of Scanning	Texture with Geometry
Visual	Real time data
Object bed	Rotary
Transmission	USB 3.0
Operation Temperature	-0 ~ 70 °C

Operation Humidity	10 ~ 90%
Resolution	3D Point Density on Target Surface is 300 to 1200 DPI in macron mode and 300-600dpi in wide mode.
Compatible Software	3D Systems (Geomagic Solutions), InnovMetric Software (PolyWorks), Dassault Systemes (CATIA V5 and SolidWorks), PTC (Pro/ENGINEER), Siemens (NX and Solid Edge), Autodesk (Inventor, Alias, 3ds Max, Maya, Softimage).
Power Failure Protection	Yes

Software should have at least following features:

1. Automatic & manual registration using reference targets and without target.
2. Automatic coloring of scan data with photographs.
3. 3D view, planar view, quick view; distance, area & volume calculation.

Terms and Conditions:

- The bidder must supply and install the items. Data sheets and brochures for quoted items should be provided.
- The 3D scanner model being quoted must have been sold for more than 2 years in India. Supporting documentation (work orders or purchase orders) for the same must be provided.
- More than 25 units of the 3D scanner being quoted must have been sold in India till date. Supporting documentation (work orders or purchase orders) for the same must be provided.
- The 3D scanner must be fully serviceable in India.
- Repair/replacement in event of breakdown of machines must be carried out within 5 working days of reporting of issue during the warranty period and/or AMC.
- Provide “Authorization certificate” from the manufacturer, in case the quotation is submitted by an Indian Agent.
- Prices should be FOB/ CIF up to IITK.
- Prices should include installation and training cost, and all additional charges including freight, insurance etc.
- Validity of quotation should be at least for 30 days.
- Warranty: Completely comprehensive warranty for 2 years. During the warranty period, should there be a failure of any parts, these parts have to be replaced free of cost. The comprehensive warranty should cover all the parts of the machine including electrical, electronic and mechanical systems/components. Additional 1 year extended support warranty.
- The supplier should provide training for the use of the equipment.
- An undertaking that the vendor will supply all the spares and services for the equipment for at least 5 years from the date of commissioning.
- Availability of after sales service and support in India. Supplier has to compulsorily indicate details of facilities/expertise/qualification/cost (after warranty period) of support in India. Factory trained engineers should be available in India for complete product support.

- Discount: maximum educational discount to be provided keeping in view IITs being nonprofit making organizations.
- Normal payment terms for the institute will be applicable.
- Delivery must be within 4-5 weeks. Earlier would be better.
- In case of any dispute, the decision of the Institute authority shall be final.

Kindly send hard copy of your best offer (Technical and Commercial offers separately in two envelopes. The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges if any, shipping and handling charges) so as to reach us on or before February 25, 2019 (by 3.00 PM) to the following address.

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