

## 4i-Laboratory

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Enquiry no.: 4i-Lab/2013-14/08

Enquiry Date: 18/10/2013  
Closing date: 28/10/2013

Sealed quotations (commercial and technical offers in separately sealed packets) should reach the undersigned latest by 10:00 AM on October 28, 2013 for **Portable 3D Scanner** equipment with following specifications.

- 3D laser or optical technology with three (or more) cameras.
- The entire system should have only two key hardware components: a hand held unit, and a portable laptop for data acquisition/analysis. No part of the hand held unit (except for cables if any) should be mounted on ground.
- The hand-held unit should not weigh more than 1400 grams.
- Handheld, self aligning, and self positioning
- Should be able to start and stop scanning intermittently without needing external referencing necessarily.
- Hand held device should be a line scanner with a speed of at least 15000 measurements per second.
- Maximum size of hand held device should not exceed 180 X 280 X 250 mm.
- Accuracy required: 50 microns or better
- Resolution: 120 microns in x, y, z axes for an object 1 meters long
- Robust carry-on case for equipment should be provided.
- No requirement of rigid setups should be mandatory while the object is being scanned.
- Self positioning technology
- Easy to use GUI for software
- All requisite connectors, adaptors, and long cables
- Requisite power supply, and requisite software
- Requisite calibration equipment with initial supply of consumables
- Laptop required to interface with equipment should be included in the quotation. It should have appropriate hardware and software configuration.
- Warranty of 2 years on parts, labor and system calibration
- Five years of software updates
- AMC for parts and labour may be mentioned as an option
- Onsite (at IITK) training for at least 5 days
- The system should be self contained and should not need any other equipment and software to function.
- Software/hardware required to expand capabilities of scanner (so that it can scan larger objects with limited loss of accuracy) may be included in quotation as an option.

Please see next page for more details.

Other optional accessories (if required) may be included in the quotation. Proprietary certificate, if relevant, should be provided.

1. Delivery time should be clearly mentioned in the quotation.
2. Vendors may provide separate quotations for each of these products.
3. The quotation should be accompanied with complete product description, technical literature, etc.
4. Please send your technical and commercial offers in separately sealed packets.
5. You are requested to submit your quotation in sealed envelope with complete product description, technical literature, price, warranty period, delivery time and other conditions by October 28, 2013 (10 AM) at the address given below.

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