

Indian Institute of Technology Kanpur

Department of Electrical Engineering

Enquiry No: IITK/EE/GR/2016/2

Enquiry Date: 09/09/2016

Closing Date: 21/09/2016

Sealed quotations are invited for an optical table with four active vibration isolation legs and air compressor.

Optical Tabletop Specifications

Feature	Specification
Measuring System	Metric
Damping	Broadband damping
Dimensions	1m x 2m x 210 mm
Length	2 m
Width	1 m
Thickness	210 mm
Flatness	±0.1 mm
Top and Bottom Plates	Thick Stainless Steel
Core Construction	High-Density Plated Steel Honeycomb
Side Panels	Rigid Steel Box Section
Mounting Holes	M6 tapped on 25mm centers
Surface finish	Machined Matte finish
Distance from Edge to First Holes	12.5 mm from table edge
Maximum Dynamic Deflection coefficient	0.4×10^{-3}
Maximum Relative Tabletop Motion	< 0.14 nm

Support leg specifications

Feature	Specification
Height	700 mm
Vertical Resonant Frequency	1.25 Hz
Horizontal Resonant Frequency	1.0 Hz
Vertical Transmissibility at Resonance	10 dB
Horizontal Transmissibility at Resonance	12 dB
Vertical Transmissibility at 5Hz	-20 dB (90%)
Horizontal Transmissibility at 5Hz	-24 dB (94%)
Vertical Transmissibility at 10Hz	-32.5 dB (97.5%)

Horizontal Transmissibility at 10Hz	-30 dB (97%)
Maximum Load Capacity (set of four)	> 2400 kg
Height Adjustment Range	(-13 mm, +5 mm)
Self Leveling Repeatability	0.5 mm
Air Pressure (Maximum)	80 psi (551 kPa)

Air Compressor: Must be compatible with the optical table and legs.

Terms and Conditions

1. A single quote should be made with financial and technical specifications. The sealed envelopes with the quote should be superscribed with the inquiry number.
2. Manufacturer's specification sheet/brochure must be enclosed as a proof of technical specifications.
3. Quotations should not be an exact copy of the specifications mentioned above.
4. Quotes should have a minimum validity of 60 days.
5. Maximum educational discounts should be applied. This equipment will be used in a laboratory that will support research as well as teach and train students.
6. The delivery period and warranty should be specifically stated.
7. All items must be supplied by one manufacturer for compatibility during assembly of the experiment.
8. The bidder must be authorized by the manufacturer or OEM to supply, install and maintain the system. Specific authorization by the manufacturer for participating in this tender has to be enclosed with the bid.
9. The indenter/institute reserves the right to cancel the tender without any reasons. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

For Delivery to IIT Kanpur

1. The price should include delivery, installation, taxes and other charges. All prices are to be for IIT Kanpur.
2. Our standard payment terms are 90% against delivery and 10% after installation/inspection and approval.
3. Quotes should be made for the following delivery modes: (a) Ex-works, (b) FOB country of origin, (c) CIF Delhi
4. IIT Kanpur is exempted from payment of Excise Duty under notification No.10/97.

Address quotations to

Dr. G Rajshekhar
ACES 325B
Department of Electrical Engineering
Indian Institute of Technology, Kanpur
Kanpur-208016, UP, India
Email: gshekh@iitk.ac.in
Phone: +91-512-259-6477