

Enquiry for Optical table with Vibration Isolation Legs

Enquiry No.: IITK/EE/SG/2018-19/03

Enquiry Date: 26/07/2018

Closing Date: 16/08/2018 at 12 noon

Sealed quotations are invited as per the specifications and terms and conditions listed below.

A. Optical table-top (Qty 1)	B. Vibration isolation legs (one set of four legs)
Following are <u>must-have</u> features: <ol style="list-style-type: none">1. Damping: Tuned mass damping2. Length: 2400 mm3. Width: 1200 mm4. Thickness: > 300 mm and < 310 mm5. Flatness: $\leq \pm 0.1$ mm6. Core construction: Honeycomb7. Side panels: Highly damped composite wood to help eliminate vibrations from the side8. Mounting holes: M6 in a 25 mm grid, individually sealed holes9. Working surface: ferromagnetic stainless steel10. Maximum dynamic deflection coefficient: $< 1 \times 10^{-3}$11. Maximum relative tabletop motion: $< 2 \times 10^{-7}$ mm12. Grid labels on the table top	Following are <u>must-have</u> features: <ol style="list-style-type: none">1. Damping: Laminar flow damping2. Height: > 590 mm and < 600 mm3. Vertical isolation resonant frequency: 1 Hz4. Horizontal isolation resonant frequency: 1.5 Hz5. Vertical amplification at resonance: 10 dB6. Horizontal amplification at resonance: 9 dB7. Vertical isolation: > 90% (5 Hz) and 95% (10 Hz)8. Horizontal isolation: > 80% (5 Hz) and 90% (10 Hz)9. Maximum load capacity (per isolator): > 800 kg10. Height adjustment range: > 30 mm11. Self levelling repeatability: better than ± 0.3 mm12. Air pressure (Maximum): 85 psi13. Self centering

Terms and conditions:

1. All items **must be** supplied by one manufacturer for compatibility during assembly of the experiment.
2. The items should be from one of these four established brands: Thorlabs, Newport, TMC, Kinetic Systems.
3. All the items **must be** compatible with 220V/50Hz supply and metric measuring units.
4. The table top **should be** covered under lifetime warranty against debonding/delamination and rest of the components for atleast 1 year from the date of installation, without additional charge.
5. No separate installation charges will be admissible. All required accessories must be included in the quote.
6. Include authorization certificate from the principal if you are a local agent.
7. If import is required, quoted price should be CIP New Delhi. For quotes in INR, the price quote should be for delivery to Kanpur.
8. Payment terms must be NET 30.
9. The manufacturer's specification sheets for the products **must be** enclosed.
10. Attach compliance sheet and complete details of the products.
11. Quotations should have a minimum validity of 90 days.
12. The goods should be delivered no later than 75 days from the day of the placement of the order from, IIT-K. Particular importance will be given for prompt delivery of the goods. The delivery period should be specifically stated.
13. Maximum educational discount should be applied – these products will be used for research as well as to teach and train students.
14. The institute reserves the right of accepting and rejecting any quotation without assigning any reason.
15. The indenter reserves the right to cancel the tender without being answerable.
16. A single quote should be made with technical and financial specifications. The sealed envelopes with the quote should be superscribed with the inquiry number.

Address quotations to

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