

CSIR – Central Scientific Instruments Organisation

7/05/2024

Sub: Requirement of Optical/ Vibration Free Table for Characterisation Set-up

An Optical/ Vibration Table for Characterisation Set-up is required as per the attached Annexure-I.

The Budgetary Quotation by the Interested and authorized firms can be submitted through e-mail to the undersigned (karankumar@csio.res.in) on or before 14.05.2024, 5:00 PM. The Budgetary Quote must be submitted along with the Authorisation certificate of the original manufacturer.

Other Terms & Conditions:

1. Delivery: F.O.R. CSIO Chandigarh
2. Payment Terms: Within 30 days after delivery

Name: Karan Kumar

Post: Technical Assistant

Department: μ-NoC

E-mail: karankumar@csio.res.in Ph – 0172 2672331

Annexure-I

Specification for Optical / Vibration Free Table for testing and characterisation set-up

No.	Specification	Compliance
1.	5mm thick non-magnetic SS top skin (SS 304)	
2.	0.25 mm thick aluminium honeycomb core	
3.	Core Cell Size of 6 sq.cm (approx)	
4.	Nylon Cups under each tapped hole	
5.	+/- 0.1 mm flatness on top area (non-cumulative error)	
6.	Size: 2400mm x 1200 mm or greater	
7.	M6 tapped holes on 25 mm grid	
8.	Semi Solid epoxy bonding	
9.	Side walls finished with black form	
10.	Compressed wooden particle boards as side walls to dampen acoustic vibrations	
11.	PASSIVE SUPPORT (Automated Pressure & Level Controlled) Compatible air compressor providing max air pressure 80 psi or better	
12.	Vertical Transmissibility at 5Hz. , less than or equal to -20dB (90%)	
13.	Horizontal Transmissibility at 5Hz, less than or equal to -24dB (94%)	
14.	Vertical Transmissibility at 10Hz, less than or equal to -30dB (97.5%)	
15.	Horizontal Transmissibility at 10Hz, less than or equal to -30dB (97.5%)	
16.	Appropriate dissipation at frequencies lower then 5Hz	
17.	Height Adjustment Range, -10mm, +5mm	
18.	Self-Leveling Repeatability, $\leq \pm 0.5\text{mm}$	

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19.	Height: ~700 mm	
20.	Load capacity \geq 700kg	
21.	Warranty : 12 months or greater	
22.	Required accessories/spares /attachments for installations to be provided by the supplier	
23.	Product installation and demonstration by the supplier	