

State-of-the-art vibration isolation performance.



20 SERIES, Active Vibration Isolation Tables

TMC's Active Vibration Isolation Table features state-of-the-art vibration isolation performance. By integrating their new Compact Sub-Hertz Pendulum Isolation System (CSP®) for horizontal vibration reduction with the new PEPS-VX® Inertial Damper for vertical vibration cancellation, TMC has produced a superior, ultra-quiet table in six degrees-of-freedom. This advanced isolation technology may be combined with TMC optical tables and other TMC products, as well as designed into equipment for OEM applications.

Featuring 10 dB of isolation vertically and 20 dB of isolation horizontally at 2 Hz (a frequency at which other tables amplify vibration), the Active Vibration Isolation Table is ideal for the most demanding applications in unusually severe vibration environments.

Isolator natural frequency

Low Input

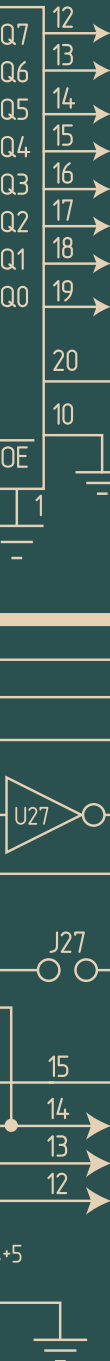
Vertical 0.5 Hz (actively suppressed)
Horizontal 0.5 Hz

Isolation efficiency @ 2 Hz

Vertical = 10dB
Horizontal = 20 dB

Net Load Capacity

1,200 lbs. (545 kg)



Finish

Medium texture black powder coat frame; stainless steel top.

Facilities required

3 CFM @ 80 psi air filtered to 20 microns or less
120 VAC or ± 15 VDC
7 w nom, 12 w max

Features

- Compact Sub-Hertz Pendulum Isolation System (CSP®) for 0.5 Hz horizontal resonant frequency.
- PEPS® Precision Electronic Positioning System for non-contacting height control of isolated surface to one micron.
- PEPS-VX® Vibration Cancellation add-on to PEPS® Precision Electronic Positioning System for low frequency vibration cancellation in the three vertical degrees-of-freedom.
- Rigid steel frame construction in a desk-style configuration.
- Highly damped, high stiffness two-inch thick, stainless steel, laminate top

Applications

- Atomic Force Microscopes
- Scanning Probe Microscopes
- Commercial Interferometers
- Electro-Physiology Recording
- Semiconductor Inspection Equipment

TMC Air Table Ordering Information

Part No.	Product Description	Price
TM-20-561	Series 20 - Active Vibration Isolation Tables	\$14,640+
	Complete TMC product line available. Call or email for part numbers.	

U.S./Canada prices shown. International prices add 15%. Email or visit web store for latest prices.