Active Electronic Vibration Isolation
8001 Series Vibration Free Platform

Features/Benefits:
• Active Feedback Control system provides fast response and control
• Isolation of all six translational and rotational modes of vibration
• Ultra low natural frequency < 1 Hz
• No low frequency resonance
• Isolation beginning at < 1 Hz, increasing rapidly to 40 dB at 10 Hz
• 500 times stiffer than air tables
• Automatic leveling
• Compact, lightweight, ergonomic design

Introducing the 8001 Series active vibration isolation system. A compact lightweight tabletop system that senses and responds to disturbances providing superior isolation compared to standard passive isolation systems. A precise automatic level adjustment mechanism adjusts for varying loads without user reconfiguration.

The 8001 Series offers the ultimate performance for a wide range of high resolution instruments such as atomic force microscope, interferometer and microscopy.

Specifications
Load Capacity
01 = 330 lbs
02 = 300 lbs
03 = 264 lbs
04 = 600 lbs
Size = See Ordering Information
Natural Frequency 0.7 Hz
Isolation Efficiency @ 2Hz 90%
Isolation Efficiency @ 5Hz 99%
Isolation Efficiency @ 10Hz 99%

Performance Data

Ordering Information
8001

Tabletop Size
01 = 16" (406mm) x 18" (457mm) x 3.75" (95mm)
02 = 20" (508mm) x 24" (609mm) x 4.75" (121mm)
03 = 24" (609mm) x 31" (787mm) x 5.75" (146mm)
04* = 24" (609mm) x 31" (787mm) x 5.75" (146mm)

*High Load Capacity (See specifications at left).

Tabletop Description
11 = White Plastic Laminate
12 = Ferromagnetic Stainless Steel
13 = Black Plastic Laminate
14 = White Anti-static Laminate
21 = 1/4-20 x 1" Centers Aluminum Plate
25 = 1/4-20 x 0.5" Centers Aluminum Plate MaxxAlign
31 = M6 x 25mm Centers Aluminum Plate
35 = M6 x 12.5mm Centers Aluminum Plate MaxxAlign

Note: See Pages 18 and 20 for Tabletop Options and Accessories