

Active Vibration Isolator Platforms Sandwich Series



Features and benefits

- Modular design , two different standard sizes and five different load ranges available.
- AC power from an electrical outlet is sufficient , no compressed air supply is needed.
- Provides better vibration isolation (> 98.22 % isolation above 10Hz) than is normally possible with complicated , large passive floor platforms.
- No natural low-frequency resonance , as a result , excellent vibration characteristics also in frequency ranges below 5Hz.
- Active isolation in all six degrees of freedom.

Application

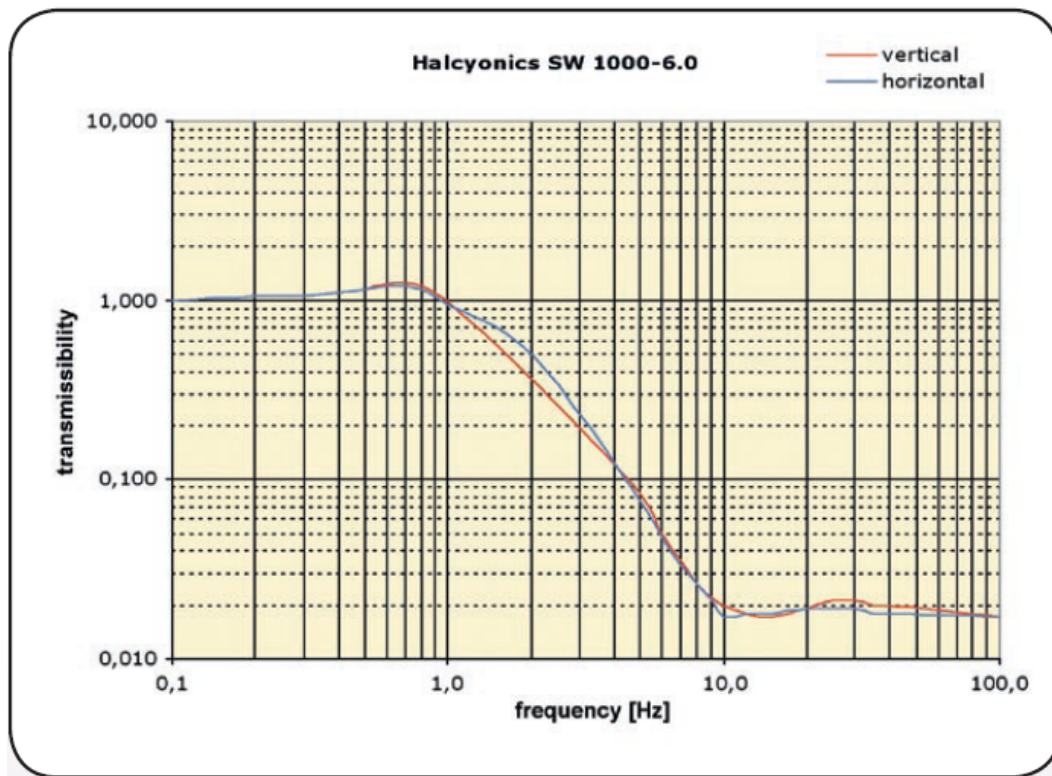
- Scanning Probe Microscopy (SPM)
- Scanning Electron Microscopy (SEM)
- Scanning Near-field Optical Microscopy
- Laser Scanning Confocal Microscopy
- Interferometer、Gauge、Plotter
- Nano-notch machine、Nano-lithography machine
- Micro Film Equipment、Balance Analysis、Biophysical Measurements

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Transmission graph of a Sandwich

Available Standard Versions

Sandwich 800-4.0	Sandwich 1000-4.4	Sandwich 1000-6.4
Sandwich 1000-4.0	Sandwich 1000-6.0	Sandwich 1000-8.0

Performance Specifications

Force Directions	Active isolation in all six degrees of freedom
Isolation Performance	The active vibration isolation of Sandwich platforms start right at 1 Hz , and above 10 Hz , attains more than 35dB(98.2%)
Frequency Bandwidth	1Hz ~ 200Hz : active isolation 200Hz above : passive isolation

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Load capacity	Sandwich 800-4.0 : 0 ~ 600 kg (0 ~ 1320 lbs) Sandwich 1000-4.0 : 0 ~ 600 kg (0 ~ 1320 lbs) Sandwich 1000-4.4 : 0 ~ 750 kg (0 ~ 1650 lbs) Sandwich 1000-6.0 : 0 ~ 900 kg (0 ~ 1980 lbs) Sandwich 1000-6.4 : 0 ~ 1050 kg (0 ~ 2310 lbs) Sandwich 1000-8.0 : 0 ~ 1200 kg (0 ~ 2650 lbs)
Max. correction forces	Sandwich 800-4.0、1000-4.0、1000-4.4 : 垂直 ± 16 N、水平 ± 8 N Sandwich 1000-6.0、1000-6.4 : 垂直 ± 24 N、水平 ± 12 N Sandwich 1000-8.0 : 垂直 ± 32 N、水平 ± 16 N
Dimensions	Sandwich 800 : 800mm $\times$ 800mm $\times$ 130mm Sandwich 1000 : 1000mm $\times$ 800mm $\times$ 130mm
Weight	Sandwich 800-4.0 : 105 kg (230 lbs) Sandwich 1000-4.0、1000-4.4 : 115 kg (250 lbs) Sandwich 1000-6.0、1000-6.4 : 135 kg (300 lbs) Sandwich 1000-8.0 : 155 kg (340 lbs)
Electrical Voltage	100 ~ 250 V、47 ~ 63 Hz
Power Consumption	Sandwich 800-4.0、1000-4.0、1000-4.4 : 20 W (max : 70 W) Sandwich 1000-6.0、1000-6.4 : 30 W (max : 140 W) Sandwich 1000-8.0 : 40 W (max : 140 W)
Operation Temperature	10 ~ 40 $^{\circ}$ C (50 ~ 104 $^{\circ}$ F)
Controller Front Display	Blue light : ON - the system is running normality in the active isolation mode OFF - the system is in the passive isolation mode Blinking - the system is in the initialization or stand-by mode Red light : overload

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