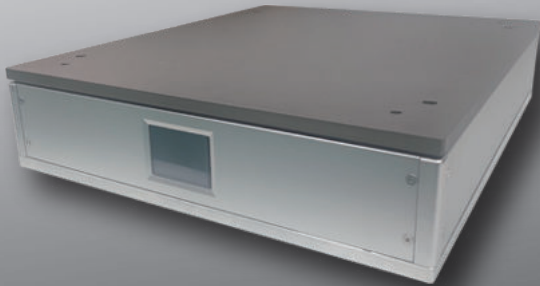


THA1 Series Active Vibration Isolation Systems Tabletop



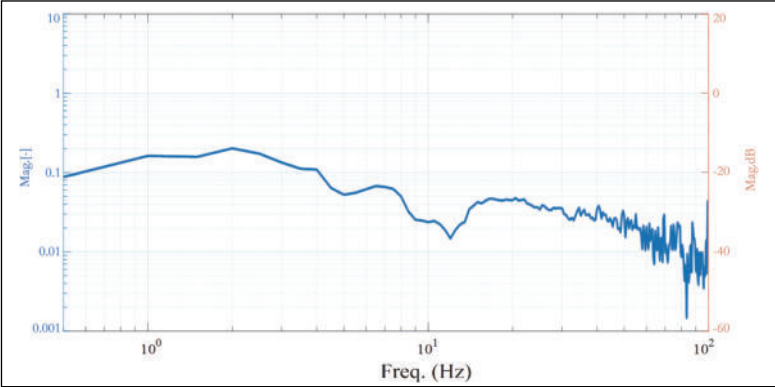
Product characteristics

- Lightweight and convenient, easy to install, no need for air source, can be used by connecting to the power supply
- Manual/automatic level adjustment, easy to operate
- Real time detection of 6-degree-of-freedom vibration signals, actuator provides thrust, actively attenuates amplitude
- Real time monitoring of tabletop vibration

Product application

Atomic Force Microscope (AFM)/Scanning Probe Microscope (SPM)、3D Surface Measurement System、Tabletop SEM (Mini-SEM)、High-precision Optical Microscope、Nano Indentation System、Nano Measurement / Analysis Instruments.

Transmissibility



Specification parameters

Model	THA1M-045-100	THA1M-056-200	THA1-045-100	THA1-056-200
Size(mm)	520*440*125	600*500*125.5	520*440*125	600*500*125.5
Load(kg)	5-100	5-200	5-100	5-200
Weight(kg)	32	38	32	38
Leveling method	Manual leveling		Automatic leveling	
Vibration isolation range	1-1000Hz			
Control degrees of freedom	3-axis 6 degrees of freedom			
Actuator	Voice Coil Motor			
Maximum thrust	Vertical: 6N, horizontal: 3N			
Vibration isolation performance	60%@2Hz, 99%@10Hz			
Stability time	0.3s			
Power supply	AC220V/50Hz			

THA2 Series Active Vibration Isolation Systems Base Platform



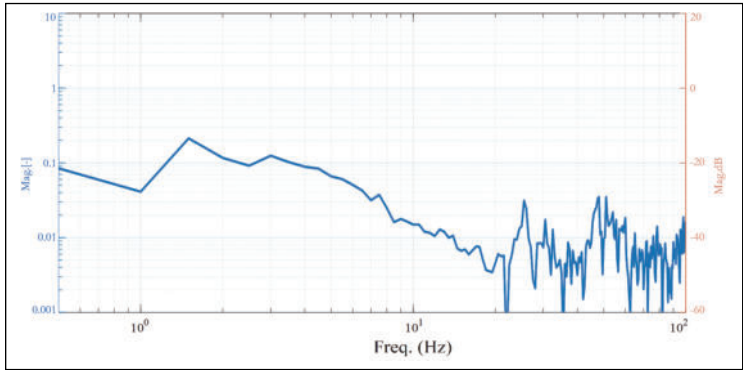
Product characteristics

- THA2 series active vibration isolator Developed for ultra precision equipment such as scanning electron microscopy, transmission electron microscopy, scanning tunneling microscopy, etc
- Using high-end air suspension dampers for foundation isolation ensures continuous vibration stability even in the presence of irregular impact vibrations in the installation site environment
- The self-developed THA active vibration reduction system achieves 6 degrees of freedom active vibration reduction. The combination of feedforward control technology and feedback control provides excellent isolation effect in the low frequency range
- Optional electronic control automatic leveling system or mechanical leveling system, automatic leveling adjustment, one click start vibration reduction

Product application

Scanning Electron Microscope (SEM)、Focused Ion Beam (FIB)、Transmission Electron Microscope (TEM)、Scanning Tunneling Microscope (STM)、Heavy Load Precision Instrument.

Transmissibility



Application



Specification parameters

Model	THA2-1000	THA2-1000A	THA2-1000-4-J3	Other
Size(mm)	1100*900*221	1100*900*221	split type	customized
Load(kg)	1-1600	1-1600	300-1800	customized
Weight(kg)	350	350	26/Unit	According to reality
Leveling method	Mechanical leveling	Electronic leveling	Mechanical leveling/ Electronic leveling	
Vibration isolation range	1-1000Hz			
Control degrees of freedom	3-axis 6 degrees of freedom			
Actuator	Voice Coil Motor			
Maximum thrust	Vertical: 40N, horizontal: 20N, Or customized as needed			
Vibration isolation performance	50%-80%@1Hz,90%@2Hz,99%@10Hz			
Stability time	0.3s			
Power supply	AC220V/50Hz			