

ACTIVE VIBRATION ISOLATION



SCIENTIFIC INSTRUMENTS

TS-Series

The Table Top System



	Dimensions	Max. Load
TS-C30	300 x 300 x 70 mm ³	0 - 40 kg
TS-150/LP	400 x 450 x 75 mm ³	0 - 150 kg
TS-140/LP	500 x 600 x 84 mm ³	0 - 140 kg
TS-140+40/LP	500 x 600 x 84 mm ³	40 - 180 kg
TS-300LT/LP	600 x 800 x 120 mm ³	0 - 120 kg
TS-300/LP	600 x 800 x 120 mm ³	0 - 300 kg
standard top plate	aluminium	
optional top plate	stainless steel, grid M6 x 25 mm or 1/4"-20x1 inch	

Proven technical excellence with elegant design

These compact state-of-the-art dynamic vibration isolation tables achieve better isolation performance than most other comparable vibration damping systems. Ready-to-use on a plug-and-switch basis, the TS-Series systems now have been setting the standards for an excellent performing and easy-to-handle vibration isolation solution.

The isolation of the TS-Series begins at 0.7Hz (1.2Hz for TS-C30), increasing rapidly to 40db beyond 10Hz. Above 300Hz purely passive isolation.

passively isolated

actively isolated

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actively isolated

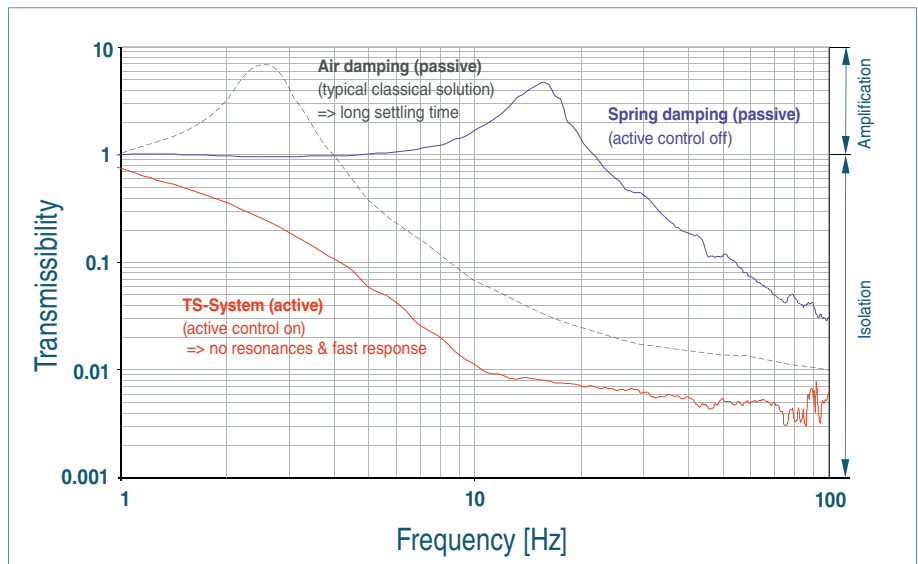
Key Applications

- Cryogenics
- Scanning Electron Microscopy
- Laser Scanning Microscopy
- Transmission Electron Microscopy
- Quantum Technology Research
- Stationary Roughness Measuring Systems
- Nanoengineering & Nanolithography
- Scanning Probe Microscopy (AFM, STM)
- Scanning Near-Field Optical Microscopy
- Micro & Nano Hardness Tester
- Interferometry & Wafer Inspection Systems
- and more!

Supporting focus

Advantages active vs. passive

- Small size
- No air required
- No set-up time
- Lack of any low frequency resonance
- Inherent stiffness \hookrightarrow 500x greater than that of a 1Hz passive isolator
- Rapid recovery time from shock (<10ms)
- Isolation in all six translational and rotational vibration modes
- Superior to any passive system



Accessories



TS-Workstation

- built-in active antivibration system
- mechanically decoupled working surface
- available for all TS series tables
- table size : 1600 x 800 x 720 mm
- customized table size possible
- optional: roller container



Exciter Box

Turning the TS-Series antivibration isolation systems into a shaker in any direction

Support Frame

Rigid support frames for all TS-Series systems

