

HERZAN

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Acoustic, Vibration, and EMI Isolation Specialists

TS Series

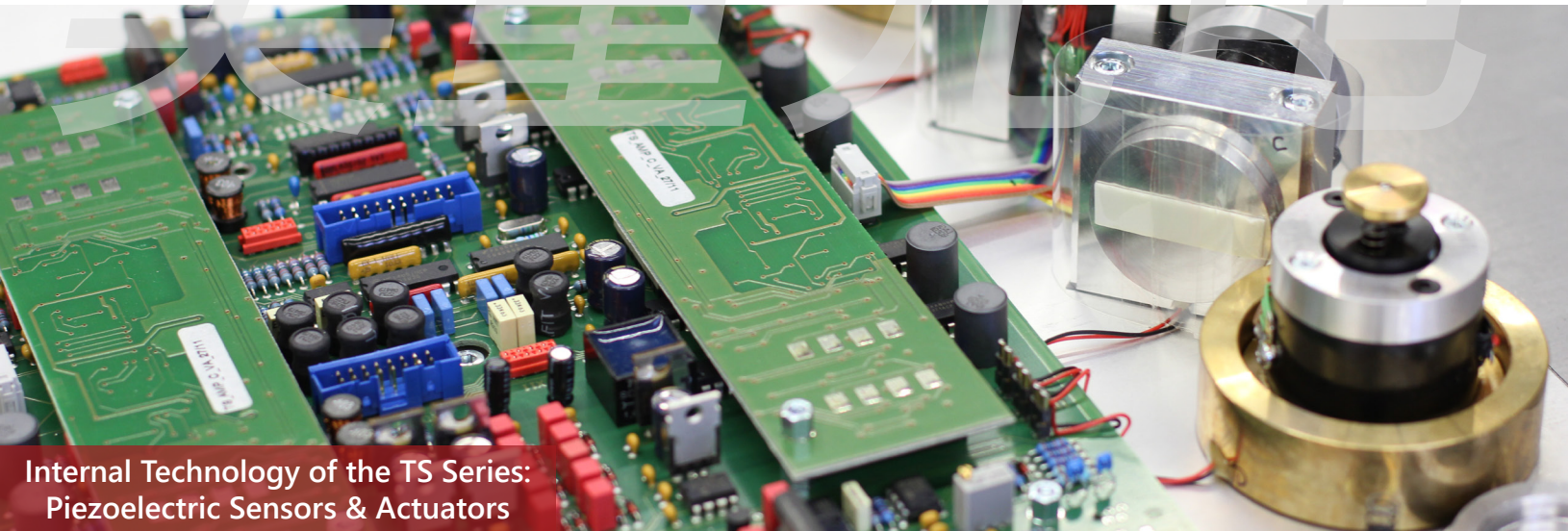
Overview

TS Series tables provide industry leading active vibration isolation performance (sub 1 Hz), helping users achieve more from their research by removing disruptive vibration noise from their measurements.

The TS Series is also designed to prioritize the user experience (i.e. automatic leveling, LCD display, and more), becoming the perfect solution for users wanting to focus on their research and not on their research equipment.



TS-150 Active Vibration Isolation Table



Internal Technology of the TS Series:
Piezoelectric Sensors & Actuators

Product Highlights

- Active isolation from 0.7 to 1,000 Hz
- Isolates vibrations in all six degrees of freedom
- Advanced piezoelectric sensors & actuators
- Automatic leveling and adjustment for load
- Internal feedback loop damps resonances
- Easy to install and simple to use (via LCD Display)

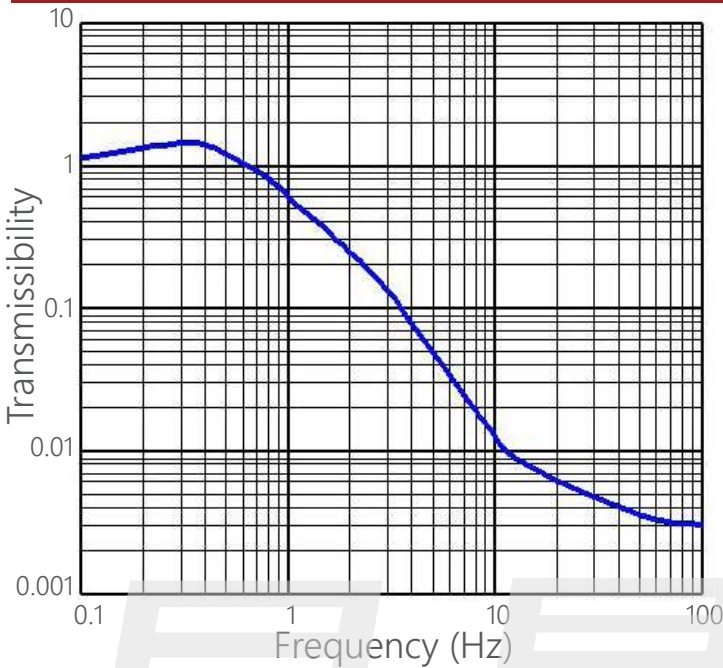
Applications

- Atomic Force Microscopy
- Interferometry
- Profilometry
- Micromanipulation Systems
- High Precision Metrology
- And More!



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TRANSMISSIBILITY



Performance Highlights

- Active vibration isolation from 0.7 - 1,000 Hz
- Passive vibration isolation from 1,000 Hz+
- 90% vibration attenuation at 3.5 Hz
- 99% vibration attenuation at 10 Hz+
- Up to 55 dB of reduction

Performance

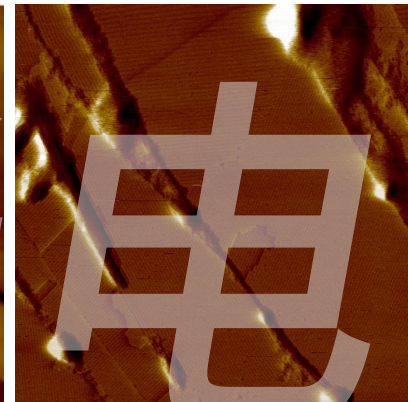
The performance graph is to be considered for all TS Series tables. The transmissibility graph is a conservative estimate of performance in any given lab environment and pertains to all six translational and rotational modes of vibration (all six degrees of freedom).

Performance Comparison Images

A researcher operating an AFM imaged a sample under two unique conditions: **without a vibration isolation system** and **with a TS Series table**. The resulting images demonstrate a significant improvement in image quality and overall measurement clarity when a TS Series table is used to support an AFM.



Without Vibration Isolation



With Active Vibration Isolation

MODEL	LOAD CAPACITY				DIMENSIONS					
	Minimum Load		Maximum Load		Width		Depth		Height	
	Lbs	Kgs	Lbs	Kgs	Inches	MM	Inches	MM	Inches	MM
TS-150	0	0	330	150	15.7	400	17.7	450	3.1	78.5
TS-140	0	0	308	140	19.7	500	23.6	600	3.3	84
TS-140+40	88	40	396	180	19.7	500	23.6	600	3.3	84
TS-300	0	0	660	300	23.6	600	31.5	800	4.7	120
TS-300 LT	0	0	264	120	23.6	600	31.5	800	4.7	120



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