

# HERZAN

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Acoustic, Vibration, and  
EMI Isolation Specialists

## TS-C30 Table

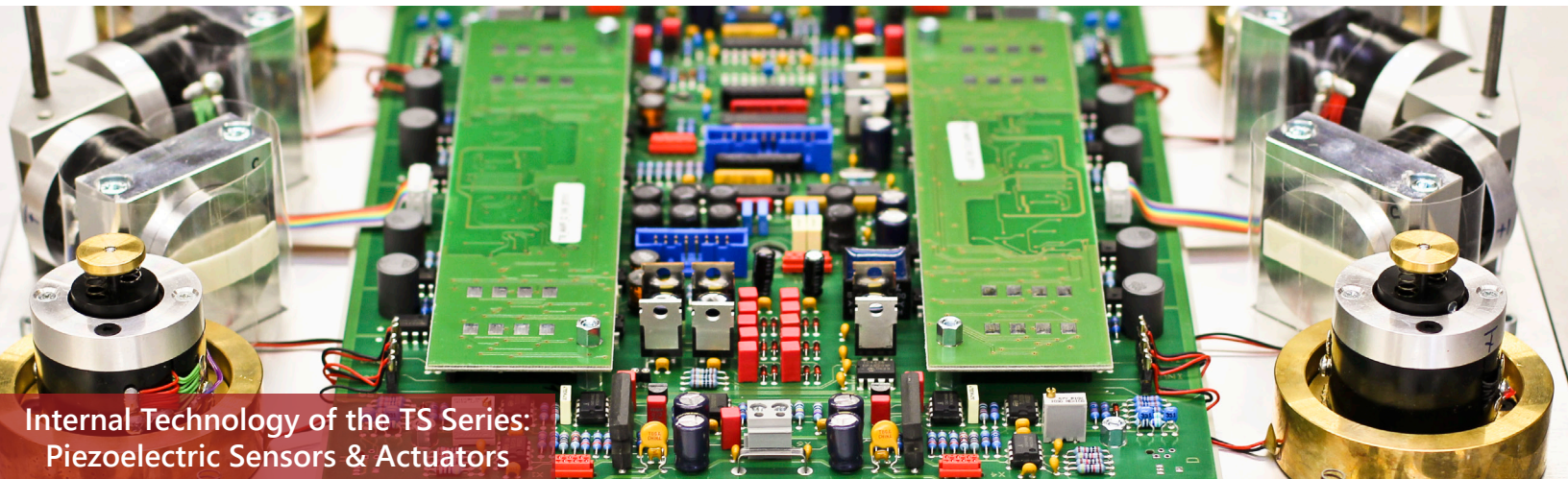
### Overview

The TS-C30 active vibration isolation table is the latest innovation from the TS Series, offering substantial active vibration isolation performance for researchers operating compact, nanoscale microscopes.

The TS-C30 is also Herzan's most affordable active vibration isolation table available, delivering greater value for researchers requiring low-frequency vibration isolation and a slate of features directly benefitting their application.



*TS-C30 Active Vibration Isolation Table*



**Internal Technology of the TS Series:**  
Piezoelectric Sensors & Actuators

### Product Highlights

- **Performance:** active isolation from 1.2 to 1,000 Hz in all 6 DOF
- **Technology:** advanced piezoelectric sensors & actuators
- **Dynamic Isolation:** internal feedback loop damps resonances
- **Premium Design:** brushed metal with black anodized top plate
- **Accessibility:** Easy to install and simple to use

### Applications

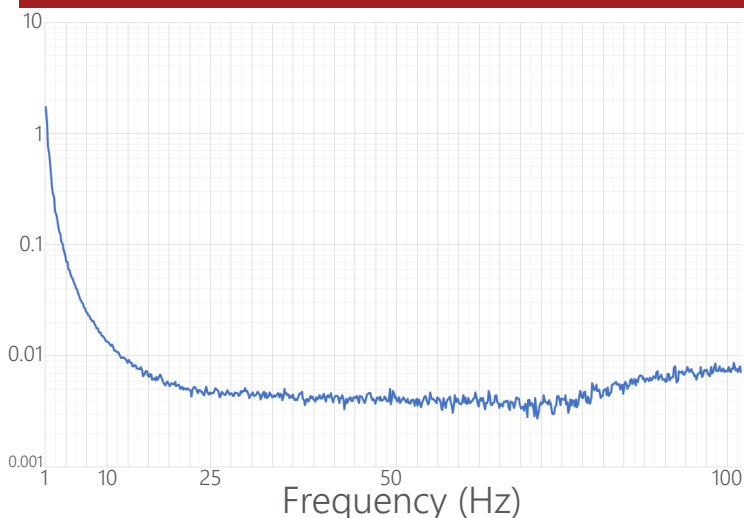
- Atomic Force Microscopy
- Interferometry
- Profilometry
- Micromanipulation Systems
- And More!

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## TRANSMISSIBILITY



### Performance Highlights

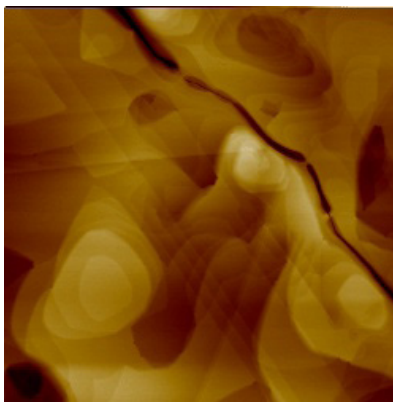
- Active vibration isolation from 1.2 - 1,000 Hz
- Passive vibration isolation from 1,000 Hz+
- 90% vibration attenuation at 3.3 Hz
- 99% vibration attenuation at 11.5 Hz+
- Up to 50 dB of reduction
- Feedback loop provides dynamic isolation
- Isolates vibrations in all 6 Degrees of Freedom

## Performance

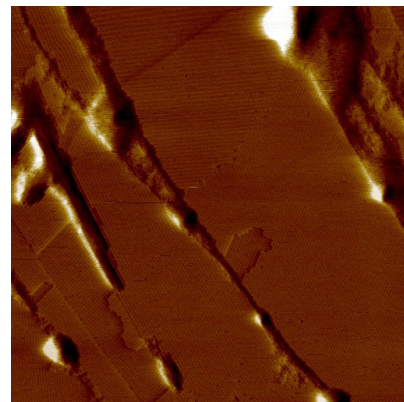
The transmissibility curves highlighted in the performance graph relate to the TS-C30's ability to isolate vibrations across a broad frequency range. The transmissibility graph is a conservative estimate of performance in any given lab environment and pertains to all six translational and rotational 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					
Model #	Minimum Load		Maximum Load		Width		Depth		Height	
	Lbs	Kgs	Lbs	Kgs	Inches	MM	Inches	MM	Inches	MM
<b>TS-C30</b>	0	0	88	40	11.8	300	11.8	300	2.5	70

### Demo Units Available

The TS-C30 is available for researchers wanting to evaluate the performance and features of the TS-C30 table risk free for two weeks. Contact us today to learn more and reserve your demo unit!



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## Connect With Us

