

# TS-C30

THE TABLE TOP SYSTEM

Low Power Technology

ACTIVE ANTIVIBRATION SOLUTIONS



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Frequency	1.2 - 300 Hz (active)
Load capacity	0 - 40 kg
Dimensions	300 x 300 x 70 mm <sup>3</sup>



**This compact state-of-the-art dynamic vibration isolation table achieves better isolation performance than most other comparable vibration damping systems. Ready-to-use on a plug-and-switch basis, the TS-C30 now has been setting the standards for an excellent performing and easy-to-handle vibration isolation solution. The TS-C30 is the newest addition to the TS table top family and has very unique features. It has an even smaller form factor than the TS-150/LP while offering outstanding active vibration isolation capabilities. It comes at a very affordable price supporting compact measuring equipment.**

The isolation of the TS-C30 begins at 1.2Hz, increasing rapidly to 40db beyond 10Hz. The lack of any low frequency resonance means much better performance than with most common passive air damping approaches. The inherent stiffness of the TS systems imparts excellent directional and positional stability. The outstanding performance of the TS-Series includes all six translational and rotational vibration modes.

## Key Applications

- Laser Scanning Microscopy
- Scanning Probe Microscopy (AFM,STM)
- Scanning Near-Field Optical Microscopy (SNOM)
- Interferometry
- Metrology / Profilometry
- Micro & Nano Hardness Tester
- Nano Indentation
- Nano Lithography
- Ultrathin Film Applications
- Analytical Balances
- Bio-Physical Measurements
- Cryogenics
- Quantum Technology
- Single Molecule Investigations
- Cell Micro Injection
- Patch Clamp
- IVF Techniques
- and many more!

# TS.C30

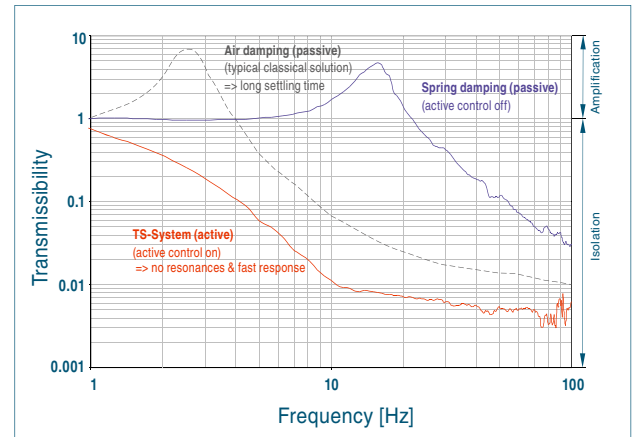
## ACTIVE ANTIVIBRATION SOLUTIONS

The TS-C30 is combining proven technical excellence with elegant and user friendly design

### Advantages active vs. passive

- small size
- no air required
- no set-up time
- lack of any low frequency resonance
- inherently stiff (500x greater than that of a 1Hz passive isolator)
- rapid recovery time from shock (<10ms)
- includes all six translational and rotational vibration modes
- superior to any passive system

### Transmissibility Curve



### Technical Specifications

Isolation	Dynamic 1.2 Hz to 300 Hz, mainly passive beyond 300Hz
Transmissibility	See transmission curve above Above 10 Hz transmissibility <0.01 (-40dB)
Maximum Load	0 - 40 kg
Size	300 x 300 x 70 mm <sup>3</sup>
Weight	9.2 kg
Electrical	Safety class 1
Power consumption	Max. 2.5 W
Input voltage	115-230 V AC ±10%, 50-60 Hz
Normal environmental conditions	Protection class IP20
Temperature range	5 °C - 40 °C, relative humidity 10-90 % (5-30 °C) / 10-60 % (30-40 °C)
Application	Indoor, altitude up to 2000 m (6500 ft)
Table Top	
Size	300 x 300 mm <sup>2</sup>
Material	Solid aluminium plate



TS-C30 rear view



TS-C30 front view



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HWL Scientific Instruments GmbH, Germany

www.hwlsscientific.com ✉ info@hwlsscientific.com ☎ +49 7073 85 218 12