



DT Series

Desktop Vibration Isolation

High Performance
in a Small Package



DESIGN FEATURES

The DT has a unique frame design which offers a number of advantages over traditional air tables.

- High Stiffness and Rigidity
- Fully Integrated System
- Reduced User Disturbance
- Low Profile. (2 to 3 inches)
- Non-slip Damped Mounting Surface

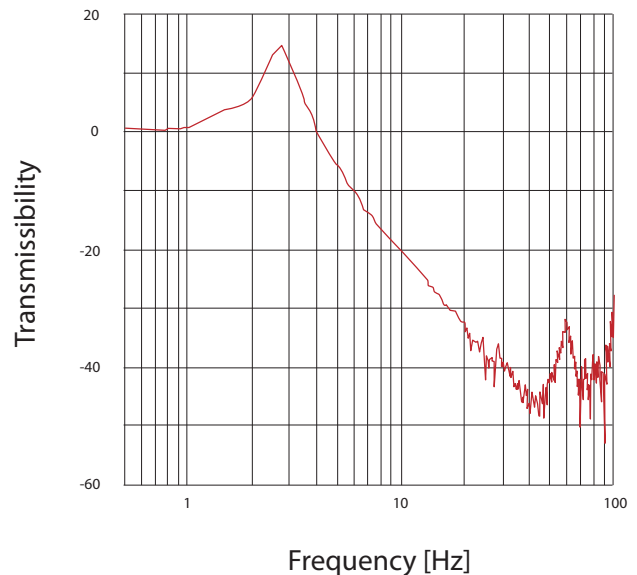
APPLICATIONS include

- optical microscopy
- interferometry
- profilometry
- micromanipulation
- materials testing
- high precision scales
- wire bond and pull test

PERFORMANCE

- 90% reduction past 6.5 Hz
- 99% reduction past 20 Hz
- Low Natural Resonance
- Settling time of less than one second

Z-AXIS TRANSMISSIBILITY



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DT Series

Active Vibration Isolation

OPTIONS

- Three Standard Sizes
- Custom sizes available
- Load Adjustment:
 - Manual – Operation by Hand Pump
 - Automatic – Operation by Air Supply
- Top Plate Options:
 - Damped Non-Slip Sheet
 - Ferromagnetic Steel
 - Drilled and Tapped Holes



DT in use with Zygo Interferometer

TECHNICAL SPECIFICATIONS

Natural Frequency	1.9 - 2.6 Hz
Transmissibility	90% reduction past 6.5 Hz 99% reduction past 20 Hz
Air Supply Requirements	DT-M: Manual Hand Pump (included); DT-A Continuous Compressed Air, 3-7 kg/cm ² (20-50psi)
	Horizontal: approx 30 - 40 μm/ N
Accessories	DT-M: Hand Pump and air valves DT-A. Auto Level Sensors, Air Filter, and Regulator

MODEL	DIMENSIONS	OVERALL DIMENSIONS	LOAD CAPACITY
DT-4048	400 x 480 mm 15.7 x 19"	430 x 530 x 48 mm 16.9 x 21 x 1.9"	30 kg 66 lbs
DT-6050	600 x 500 mm 23.6 x 19.7"	640 x 560 x 73 mm 25.2 x 22 x 2.9"	70 kg 154 lbs
DT-8060	800 x 600 mm 31.5 x 23.6"	840 x 660 x 73 mm 33 x 26 x 2.9"	60 kg 132 lbs



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