

HERZAN

Acoustic & Vibration Isolation Specialists

MicroDamp Series

OVERVIEW

The MicroDamp Series vibration isolators are an affordable and effective solution, optimized to any instrument's weight and dimension profile. Utilizing a polished aluminum housing and highly damped composite material, the MicroDamp Series provides a cost-effective solution for instruments experiencing broad frequency vibration noise within their lab environment.

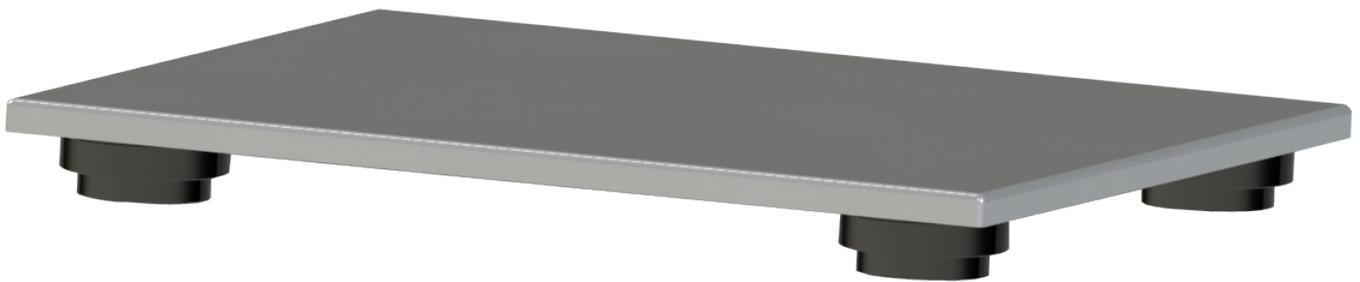


PRODUCT HIGHLIGHTS

- Affordable and efficient vibration isolation
- Minimal amplitude within resonant frequency
- Compact, modular form factor
- Wide range of supported instrument weights
- Easy to integrate into existing instrument setups
- No air or electricity required
- Light-weight and easy to install/use

APPLICATIONS

- Optical Microscopy
- Interferometry
- Profilometry
- Microbalance Systems
- Precision Inspection Stations
- Highly Sensitive Lab Equipment
- And More!



Rendering of a vibration isolation platform with four MicroDamp isolators and a damped aluminum top plate

SELECTION GUIDE

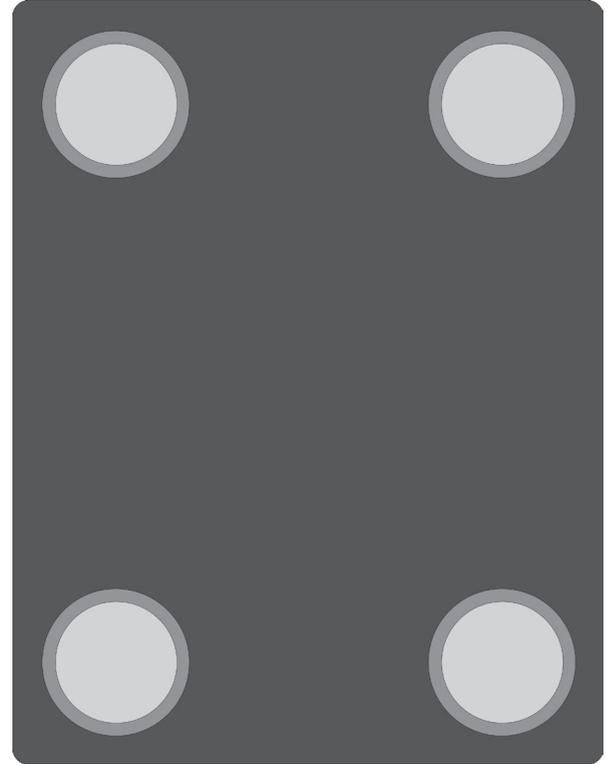
The MicroDamp series often utilizes three to four isolators within a vibration isolation platform, depending on the supported instrument's dimension profile and overall weight distribution. When paired with a damped top plate (i.e. granite, aluminum, breadboard, etc.), the MicroDamp Series becomes a complete solution for instruments requiring a stable and reliable vibration isolation platform.

To determine the correct isolator configuration for your instrument, review the MicroDamp models below and locate the model able to sufficiently support the weight of your instrument.

Please note: the values listed below are for individual isolators only. To correctly select the relevant model for your instrument, multiply the minimum/maximum load capacities by three to determine the total minimum/maximum load capacities. Your instrument must fall within this range to receive optimal vibration isolation performance. If your instrument's weight does not fall within this range, multiply the minimum/maximum load capacities by a larger number (>3) until your instrument falls within range.

Example: Atomic Force Microscope
- Weight: 150 Lbs / Dimensions: 20 x 24 inches

Recommendation: QTY 4 MD-60 isolators and a top plate measuring 20 x 24 inches.



Rendering of the underside of a vibration isolation platform with four MicroDamp isolators and a damped aluminum top plate (20 x 24 in.)

MODEL	MINIMUM LOAD		MAXIMUM LOAD		ISOLATOR DIAMETER		PRICE
All Values Per Isolator							
Model #	Lbs	Kgs	Lbs	Kgs	Inches	MM	USD
MD-35	25	11.4	35	15.9	4	102	\$165
MD-60	25	11.4	60	27.3	4	102	\$165
MD-80	60	27.3	80	36.4	4	102	\$165
MD-120	50	22.7	120	54.5	4	102	\$170
MD-240	180	81.8	240	109.1	4	102	\$170
MD-333	150	68.2	333	151.4	4	102	\$170
MD-480	240	109.1	480	218.2	4	102	\$175
MD-900	480	218.2	900	409.1	4	102	\$175

HELPFUL TIP

For further instruction on the correct configuration for your instrument, contact a Herzan representative and share your instrument's weight, dimensions, and approximate load distribution. Once that information has been received, a tailored recommendation will be made to ensure your instrument receives maximum vibration isolation performance from a MicroDamp Series platform.



Address: 23042 Alcalde Drive, Suite E
Laguna Hills, CA 92653

Email: sales@herzan.com

Phone: (949) 363-2905

Website: www.herzan.com

Connect With Us

