

VIBRATION ISOLATOR SELECTION GUIDE



Newport's broad offering of vibration isolation solutions includes active, passive, and elastomeric [Vibration Isolators](#). Our S-2000 pneumatic isolators are the industry standard for optical table performance and our broad offering of OEM vibration isolators are preferred by the world's leading semiconductor equipment, microscope and diagnostic instrument manufacturers. Our elastomeric isolation solutions are preferred by the leading photovoltaic (PV) system integrators and metrology instrument manufacturers for their excellent balance of high load capacity, damping and isolation performance.

Selecting a Vibration Isolator

Click [Vibration Isolators](#) to shop or browse all of our standard models, or select a product family below to learn more about our products and capabilities. We also offer a complete line of [Optical Tables](#).

Series		Resonant Frequency Vertical/ Horizontal	Load Range (Per 4 Isolators)	Application
	Pneumatic Isolators with Automatic Re-Leveling	1 Hz / 1.5 Hz	660–8000 lb (300–3636 kg)	High-resolution experiments and processes Electro-optical experiments and systems Interferometry, spectroscopy applications
	Cleanroom Pneumatic Isolators with Automatic Re-Leveling	1 Hz / 1.5 Hz	660–8000 lb (300–3636 kg)	High-resolution experiments and processes Electro-optical experiments and systems Interferometry, spectroscopy applications
	Non-Magnetic Pneumatic Isolators with Automatic Re-Leveling	1 Hz / 1.5 Hz	660–8000 lb (300–3636 kg)	High-resolution experiments and processes Electro-optical experiments and systems Interferometry, spectroscopy applications
	SL Air Mount Isolators	3.2 Hz / 1.5 Hz	600–4800 lb (300–2180 kg)	Experiments requiring lower levels of vibration isolation with total loads less than 4800 lbs on a four leg system
	I-500 Series Pneumatic Isolators	1.6 Hz / 1.5 Hz	500–2000 lbs (225–900 kg)	Fast response, fast settling time Excellent for moving loads
	Compact Pneumatic Isolator with Self-Leveling	3.5 Hz / 3.5 Hz	50–225 lb (22–100 kg)	Very low profile requirements
	Constant Natural Frequency Elastomeric Isolators	9 Hz / 4 Hz	52–1800 lb (24–800 kg)	Excellent for applications that do not require the wider, low frequency isolation bandwidth of pneumatic or active isolation systems