

(See vibration isolation technology @ www.minusk.com?pdf)

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Minus K Technology has just released a compact, high-capacity, low-frequency negative-stiffness isolator designed to support heavy payloads while reducing low-frequency vibrations. The new CM-1 isolator comes in several capacity ranges to match vibration-sensitive instruments such as SPMs (AFMS, STMs, etc), micro-hardness testers, profilers, interferometers, electron microscopes, or other imaging systems, for weight loads from 50 to 800 lbs.

The CM-1 can deliver a vertical natural frequency of 1/2 Hz or less, which can be achieved over the entire load range. Horizontal natural frequency is load dependent. 1/2 Hz or less can be achieved at or near the nominal load.



As with all Minus K isolators, the CM-1 is completely passive, using no air or electricity. The new isolators can be combined into multi-isolator systems to support heavy payloads while taking up very little room themselves. The CM-1 isolators can be placed on pedestals to bring them to an appropriate height to retrofit existing air tables, enabling existing table top systems to achieve much better isolation.

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