

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



Laboratory Equipment – March 2013 Instrumentation & Equipment

Vibration Isolator Can Support Heavy Payloads

Minus K Technology's CM-1 isolated is a compact high capacity, low-frequency negative-stiffness isolator designed to support heavy payloads while reducing low-frequency vibrations. The isolators come in several capacity ranges to match your 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 lb. The isolator can deliver a vertical natural frequency of $\frac{1}{2}$ Hz or less, which can be achieved over the entire load range. Horizontal natural frequency is load-dependent. The unit is completely passive, using no air or electricity. It can be combined into multi isolator systems to support heavy payloads while taking up very little room. It can also be placed on pedestals to bring them to an appropriate height to retrofit existing air tables. **Minus K Technology, Inc.** www.minusk.com, 310-348-9656



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