

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



Medical Product Manufacturing News – September 2013

PRODUCTS & SERVICES

Vibration Isolator

The compact, high-capacity CM-1 low-frequency negative-stiffness isolator is designed to support heavy payloads while reducing low-frequency vibrations. Minus K Technology offers the customizable isolator in several capacity ranges for weight loads from 50 to 800 lb to match vibration-sensitive

instruments such as scanning probe microscopy systems, microhardness testers, profilers, interferometers, electron microscopes, and other imaging systems. The unit can deliver a vertical natural frequency of $\frac{1}{2}$ Hz or less over the entire load range.



Horizontal natural frequency is load dependent, with $\frac{1}{2}$ Hz or less being achievable at or near the nominal load. Completely passive, the isolator uses no air or electricity. It can be made cleanroom and vacuum compatible, and several units can be combined into a multiisolator system to support heavy payloads.

 **Minus K Technology**
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