



PRESS RELEASE

25 May 2012

The MK52: Vertical and Horizontal Vibration Isolation

The new MK52 negative-stiffness optical vibration isolation table from **Kinetic Systems** achieves vertical and horizontal natural frequencies of 0.5 Hz or lower without limiting its ability to support static loads. At a natural frequency of 0.5 Hz, it provides isolation efficiencies of 93% at 2 Hz, 99% at 5 Hz, and 99.7% at 10 Hz.

The MK52 can be configured for a wide variety of locations and applications – wherever external vibrations can adversely affect the operation of sensitive equipment. Ultra-low natural frequencies, high internal structural frequencies, and excellent vertical and horizontal isolation efficiencies make the system well-suited to a wide variety of applications.

Available in table sizes up to 1219mm x 2438mm (4' x 8'), with gross load capacities up to 909kg (2,000lbs), tables are constructed with a 4.76mm (3/16") thick ferromagnetic stainless steel top skin, 4.76mm (3/16") thick carbon steel bottom skin and plated-steel precision honeycomb core.

Customisation options include guard rails, padded armrests, overhead equipment shelves, monitor stands, non-isolated shelves for supporting equipment off the table top, seismic restraints, auxiliary work surfaces, retractable casters, Faraday Cages, and table top enclosures to protect against harsh manufacturing environments.

APPLICATIONS

- Raman spectroscopy
- Atomic Force Microscopy (AFM)
- AFM-Raman integration
- Micro-hardness Testing
- Analytical Balance
- Cell Injection
- Confocal Microscopy
- Patch Clamping
- Optical Microscopy
- Wafer Probing
- Sensor Calibration
- Laser Applications
- Semiconductor Processing
- Telecommunications
- Aerospace Engineering
- Medical Research

For more information on the MK52 or other vibration isolation solutions, contact **Warsash Scientific** on +61 2 9319 0122 or sales@warsash.com.au.

