

## Photonics Spectra – September 2012



### Negative-Stiffness Optical Table

**Minus K Technology** has announced an ultralow natural frequency negative-stiffness optical table isolation system for Raman spectroscopy, atomic force microscopy (AFM) and AFM-Raman integration. The MK52 achieves 0.5 Hz or lower vertical and horizontal natural frequencies and supports static loads. When adjusted to a 0.5-Hz natural frequency, it achieves 93% isolation efficiency at 2 Hz, 99% at 5 Hz and 99.7% at 10 Hz. Available in sizes up to 4 × 8 ft with gross load capacities up to 2000 lb, it has a  $\frac{3}{16}$ -in.-thick ferromagnetic stainless steel top skin,  $\frac{3}{16}$ -in.-thick carbon steel bottom skin and a plated-steel honeycomb core. It is suitable for cell injection, confocal and optical microscopy, wafer probing and laser applications in medical research.

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