

Minus K Technology, a leading manufacturer of vibration isolation products has partnered with Kinetic Systems, Inc in designing a new, versatile, ultra-low-natural-frequency optical table isolation system. The MK52 negative-stiffness optical table achieves 0.5 Hz or lower vertical and horizontal natural frequencies without limiting its ability to support static loads. When adjusted to a 0.5 Hz natural frequency, the MK52 achieves 93% isolation efficiency at 2 Hz, 99% at 5 Hz, and 99.7% at 10 Hz.

The MK52 Optical Vibration Isolation Table 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 applications such as analytical balances, cell injection, confocal microscopes, patch clamping, optical microscopes, wafer probing, sensor calibration, and laser applications in fields such as semiconductor processing, telecommunications, aerospace engineering, and medical research. The MK52 is also ideal for applications requiring high resolution, such as Raman spectroscopy, atomic force microscopy (AFM), AFM-Raman integration, and micro-hardness testing.

The MK52 is available in table sizes up to 4' x 8' with gross load capacities up to 2000 pounds (909Kg) (larger optical table sizes will be considered). Tables are constructed with a 3/16" thick ferromagnetic stainless steel top skin, 3/16" thick carbon steel bottom skin, and plated-steel precision honeycomb core.

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



**New MK52 Negative-Stiffness Optical
Vibration Isolation Table**

Minus K Technology, Inc. designs, manufactures and markets high performance vibration isolation products, systems and services to a wide range of markets from biology and neuroscience to aerospace, semiconductors, and nanotechnology. Minus K's innovative solutions enhance the capabilities and productivity of its customers' manufacturing, engineering and research applications. Minus K is the vibration isolation platform of choice for many critical applications, providing end-user and OEM solutions to commercial, academic and government customers worldwide. They are an OEM supplier to leading manufactures of SPMs, micro-hardness testers and other sensitive instruments. Founded in 1993, Minus K is headquartered in Inglewood, California.

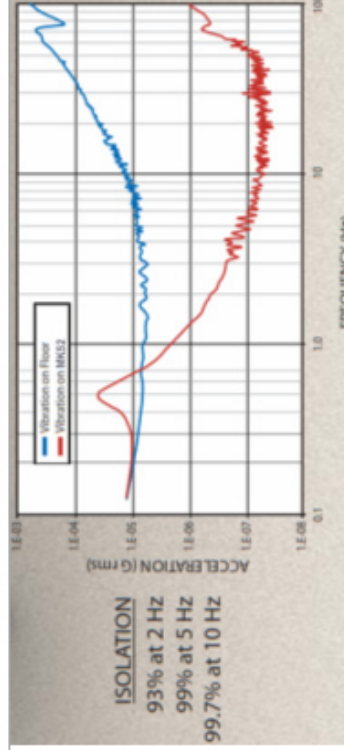
MK52 Negative-Stiffness Optical Vibration Isolation Table Specifications

	MK52 - 36" x 60" Frame (91 cm X 152 cm) = Frame Size = 3660	
	M K5202 : 350BM-1 Isolators	M K5205 : 850BM-1 Isolators
Composite Payload Range :	418 lb - 748 lb (190 kg - 340 kg)	968 lb - 1498 lb (435 kg - 681 kg)
Honeycomb Payload Range :	461 lb - 791 lb (209 kg - 359 kg)	1001 lb - 1541 lb (455 kg - 700 kg)
	MK52 - 36" x 72" Frame (91 cm X 183 cm) = Frame Size = 3672	
	M K5202 : 350BM-1 Isolators	M K5205 : 850BM-1 Isolators
Composite Payload Range :	357 lb - 687 lb (162 kg - 312 kg)	897 lb - 1437 lb (408 kg - 653 kg)
Honeycomb Payload Range :	409 lb - 739 lb (186 kg - 336 kg)	949 lb - 1489 lb (431 kg - 677 kg)
	MK52 - 48" x 96" Frame (122 cm X 244 cm) = Frame Size = 3696	
	M K5202 : 350BM-1 Isolators	M K5205 : 850BM-1 Isolators
Composite Payload Range :	238 lb - 568 lb (107 kg - 257 kg)	776 lb - 1316 lb (353 kg - 598 kg)
Honeycomb Payload Range :	305 lb - 635 lb (139 kg - 289 kg)	846 lb - 1385 lb (384 kg - 630 kg)
	MK52 - 48" x 60" Frame (122 cm X 152 cm) = Frame Size = 4860	
	M K5202 : 350BM-1 Isolators	M K5205 : 850BM-1 Isolators
Composite Payload Range :	317 lb - 647 lb (144 kg - 294 kg)	857 lb - 1397 lb (389 kg - 635 kg)
Honeycomb Payload Range :	374 lb - 704 lb (170 kg - 320 kg)	914 lb - 1454 lb (416 kg - 661 kg)
	MK52 - 48" x 72" Frame (122 cm X 183 cm) = Frame Size = 4872	
	M K5202 : 350BM-1 Isolators	M K5205 : 850BM-1 Isolators
Composite Payload Range :	238 lb - 568 lb (107 kg - 257 kg)	776 lb - 1316 lb (353 kg - 598 kg)
Honeycomb Payload Range :	305 lb - 635 lb (139 kg - 289 kg)	846 lb - 1385 lb (384 kg - 630 kg)
	MK52 - 48" x 96" Frame (122 cm X 244 cm) = Frame Size = 4896	
	M K5202 : 350BM-1 Isolators	M K5205 : 850BM-1 Isolators
Composite Payload Range :	75 lb - 405 lb (34 kg - 184 kg)	615 lb - 1155 lb (279 kg - 525 kg)
Honeycomb Payload Range :	187 lb - 497 lb (85 kg - 228 kg)	707 lb - 1247 lb (321 kg - 567 kg)

Table Top Options = TT

-21 Composite (2") white plastic laminate
-22 Composite (2") white stainless laminate
-23 Composite (2") white/black plastic laminate
-24 Composite (2") white anti-static laminate
-40 Honeycomb (2") no holes (see composite payload range)
-46 SPILLPROOF Honeycomb (2") 44.20 x 1" centers
-48 SPILLPROOF Honeycomb (2") M6 x 25mm centers

*Other table top options available



More information is available at www.minusk.com.



To order, create the model number with the options desired:
 MK52XX-WWLL-TT (MK52XX = Isolator size, WWLL = Frame Size, TT = Table Top option)