

BM-1 Bench Top Vibration Isolation Platform

Weight: Approximately 80 lb (36 kg)	
Dimensions: 24" W x 22.5" D x 8.5" H (610mm W x 572mm D x 216mm H)	
Load Capacities (approximate):	
Model	Payload Range
100BM-1	60 - 105 lb (27 - 48 kg)
150BM-1	90 - 155 lb (41 - 70 kg)
250BM-1	180 - 270 lb (82 - 123 kg)
350BM-1	290 - 370 lb (132 - 168 kg)
500BM-1	360 - 525 lb (164 - 239 kg)
650BM-1	500 - 680 lb (227 - 309 kg)
Weight: Approximately 90 lb (41 kg) - Dimensions - an additional 0.675" taller than the above unit	
850BM-1	630 - 900 lb (285 - 408 kg)
1000BM-1	890 - 1050 lb (403 - 476 kg)
Performance	
<ul style="list-style-type: none"> Vertical natural frequency of 1/2 Hz or less can be achieved over the entire load range. Horizontal natural frequency is load dependent. 1/2 Hz or less can be achieved at or near the upper limits of the payload range. 	
Simple Set-Up and Adjustment	



1) Vertical Load Adjustment Crank

Simple manual adjustment compensates for changes in vertical load.

2) Vertical Position Indicator

Easily determine optimum setting using this simple visual indicator.

3) Vertical Stiffness Adjustment Screw

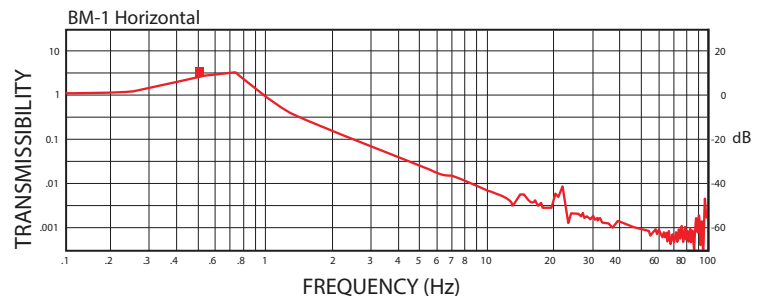
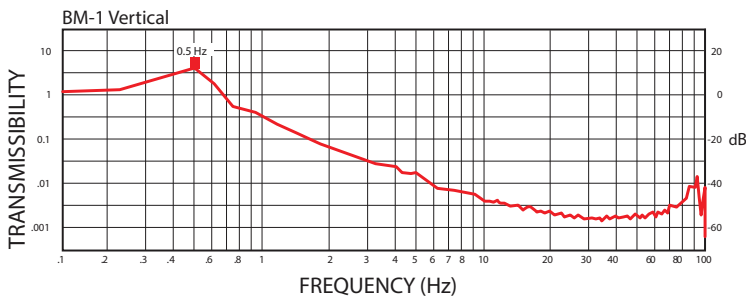
Dial in Guaranteed 1/2 Hz or less Vertical natural frequency using this simple adjustment.

Our highest capacity bench top isolator. A cost effective product for weight loads up to 680 lb and 1/2 Hz performance vertical and horizontal.

For more information contact us at: 310-348-9656 or sales@minusk.com

The vertical curve below shows the typical vertical 1/2 Hz performance. The horizontal curve below shows a slightly higher natural frequency. The BM-1 offers 10-100 times better performance than typical high-performance air tables.

Typical Performance Curves:



New CT-2 Ultra-Thin Low Height Tabletop Vibration Isolation Platform



The Compact Tabletop (CT-2) uses Minus K's patented breakthrough technology allowing for the best performance on the market in just a 2.7-inch-tall isolation platform. This unit is an upgrade from Minus K's CT-1 and offers better horizontal performance with additional payload ranges for heavier instruments.

This completely passive mechanical isolator offers 10 -100 times better performance than a full-size air table. It does this without any air or electricity!

This vibration isolation platform is extremely easy to use and offers our signature 0.5 Hz vertical natural frequency and ~1.5 Hz horizontal natural frequency. There are only two adjustments. The CT-2 is ideal for all types of benchtop microscopes.

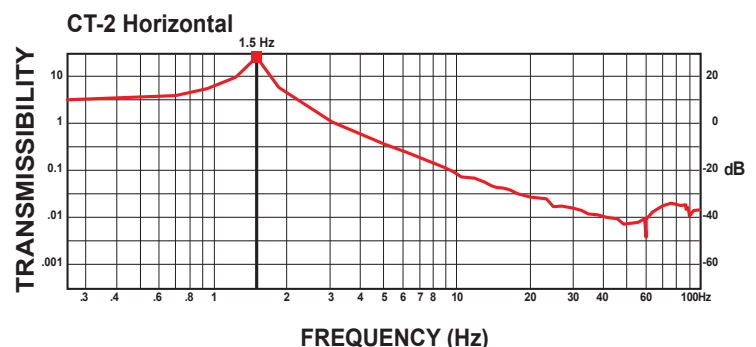
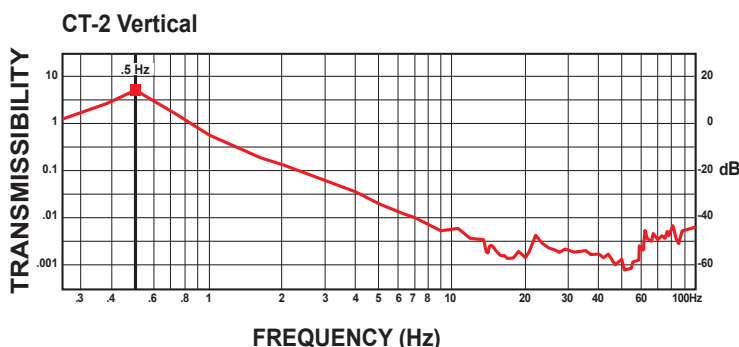
This is the thinnest, most portable and most user-friendly isolator ever offered that is capable of delivering this performance.

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The vertical curve below demonstrates the vertical 1/2 Hz performance of the CT-2. Horizontally, the CT-2 offers natural frequencies as low as 1.5 Hz, much better than typical air tables.

Weight: Approximately 30 lbs (16 kg)	
Dimension: 18" W x 20" D x 2.7" H (457mm W x 508mm D x 68.6mm H)	
Approximate payload weight range	
Model	Payload Range
30CT-2	18 – 31 lb. (8.2 – 14 kg.)
60CT-2	42 – 70 lb. (19 – 31.7 kg.)
100CT-2	68 – 104 lb. (31 – 47 kg.)
150CT-2	112 – 158 lb. (51 – 71.5 kg.)
200CT-2	155 – 210 lb. (70.5 – 95.2 kg.)
250CT-2	205 – 252 lb. (93 – 114.3 kg.)
Performance	
<ul style="list-style-type: none"> Horizontal frequencies are weight dependent. Horizontal frequency of ~1.5 Hz is achieved at or near the upper limits of the payload range. At the lower payload weights the horizontal frequency will increase. Vertical frequency is tunable to 0.5 Hz throughout the payload range. 	

Typical Performance Curves:



LC-4 Ultra Compact Low Frequency Vibration Isolator

Weight: Approximately 7 lb (3.1 kg)		
Dimensions:		
Low Frequency Horizontal 4.75" W x 4.75" D x 7" H (121mm W x 121mm D x 178mm H)	Ultra Low Frequency Horizontal 4.75" W x 4.75" D x 8" H (121mm W x 121mm D x 203mm H)	
Load Capacities (approximate):		
Model	Payload Range	
25LC-4	25LC-4U	12 - 25 lb (5.4 - 11.3 kg)
35LC-4	35LC-4U	25 - 35 lb (11.3 - 15.8 kg)
50LC-4	50LC-4U	36 - 55 lb (16.3 - 25 kg)
70LC-4	70LC-4U	50 - 70 lb (22.6 - 31.7 kg)
100LC-4	100LC-4U	75 - 100 lb (34 - 45.3 kg)
125LC-4	125LC-4U	95 - 130 lb (43 - 59 kg)
Performance		
<ul style="list-style-type: none"> Vertical natural frequency of 1/2 Hz or less can be achieved over the entire load range. Horizontal natural frequency is load dependent. 1 1/2 Hz (low horiz. freq.) or 1/2 Hz (ultra low horiz. freq.) or less natural frequencies can be achieved at or near the nominal load. See Performance for a typical transmissibility curve with 1/2 Hz natural frequency. 		



Low frequency vibration isolator for weight loads from 15 to 130 lbs. and 1/2 Hz performance vertical and horizontal.

Minus K's new LC-4 is an ultra compact, low-frequency negative-stiffness isolator. It comes in two configurations, our low horizontal frequency performance of 1.5 Hz or our ultra low horizontal frequency performance of 0.5 Hz. Both configurations offer our signature 0.5 Hz vertical natural frequency.

The LC-4 isolators can be combined into multi isolator systems to support heavier payloads while taking up very little room themselves. The isolators are passive, manually-adjustable and require no air or electricity.

If needed, the LC-4 isolators can be customized to achieve user specific needs. Eg., different horizontal and vertical frequencies, damping, etc. They can also be made cleanroom and vacuum. compatible.

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Typical Performance Curves:

