



# Micro-g<sup>®</sup> System 1

## Optical Top Support Systems

### The Micro-g Advantage

**Flexibility.** Choose from a wide variety of sizes, heights, weight capacities and vibration isolation performance

**Interchangeable Isolators.** Micro-g floor vibration isolators are designed to fit the same System 1 posts.

Micro-g optical table support systems are an ideal match for our CleanTop optical tables and breadboards. A wide range of configuration options, including height, weight capacity, and vibration isolation performance, are available.



Most tops are best supported by a 4-post system with tie-bars, however for those longer than 10 ft. (3 m) we recommend a 6-post system. In addition to the higher weight capacity, the structural characteristics of the top are enhanced by the additional support points.

When open access between the posts is necessary Micro-g Free-Standing Posts are a convenient alternative to posts with tiebars. Though generally configured in sets of 4 and 6 legs, other configurations include 3 and 5 legs. The independent posts offer the maximum flexibility in post positioning with respect to the optical top.

#### Gimbal Piston

The ideal solution for most optical table applications. Widely regarded as the industry standard for many years, Gimbal Piston isolators provide excellent vertical and horizontal vibration isolation down to very low levels of vibration input.

Gimbal Piston isolators require compressed air. Leveling is mechanically automated via control valves.

#### MaxDamp

Provides more aggressive damping than Gimbal Piston and is ideal for high center-of-mass payloads and narrow, thick table tops. The patented design amplifies less at resonance and is more effective at rapidly settling motion of the table top caused by motorized stages, robots, and other on-board sources of force.

Like Gimbal Piston, MaxDamp requires compressed air and has auto leveling.

#### Interchangeable Isolators



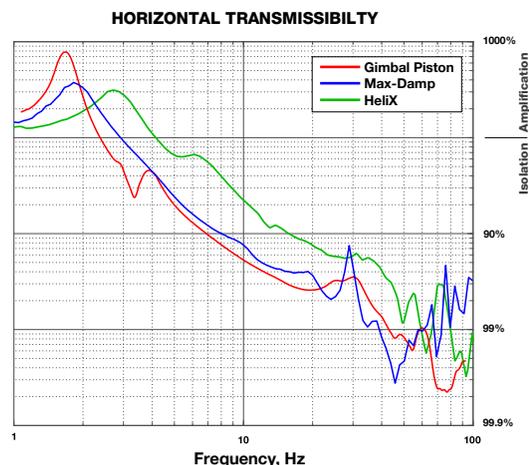
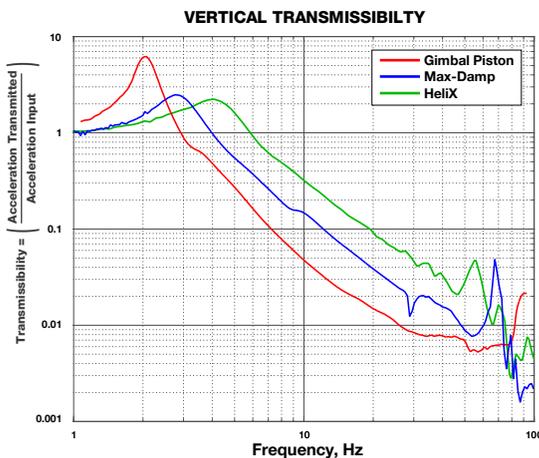
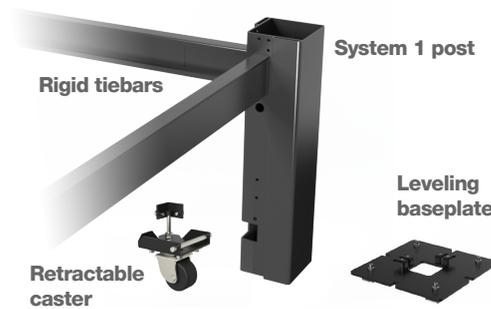
Gimbal Piston    MaxDamp    HeliX    Non-Isolating

#### HeliX

Designed to be used *without* compressed air, HeliX isolators are an ideal solution for smaller optical tops and breadboards that require less isolation. With a load capacity of 1500 lbs. (680 kg) for a set of four, the isolators can typically accommodate an optical top up to 4x8x1 ft. (120x240x30 cm). With the unique Helix design, performance is maintained across the load ranges. The payload can be manually leveled as needed.

#### Non-Isolating

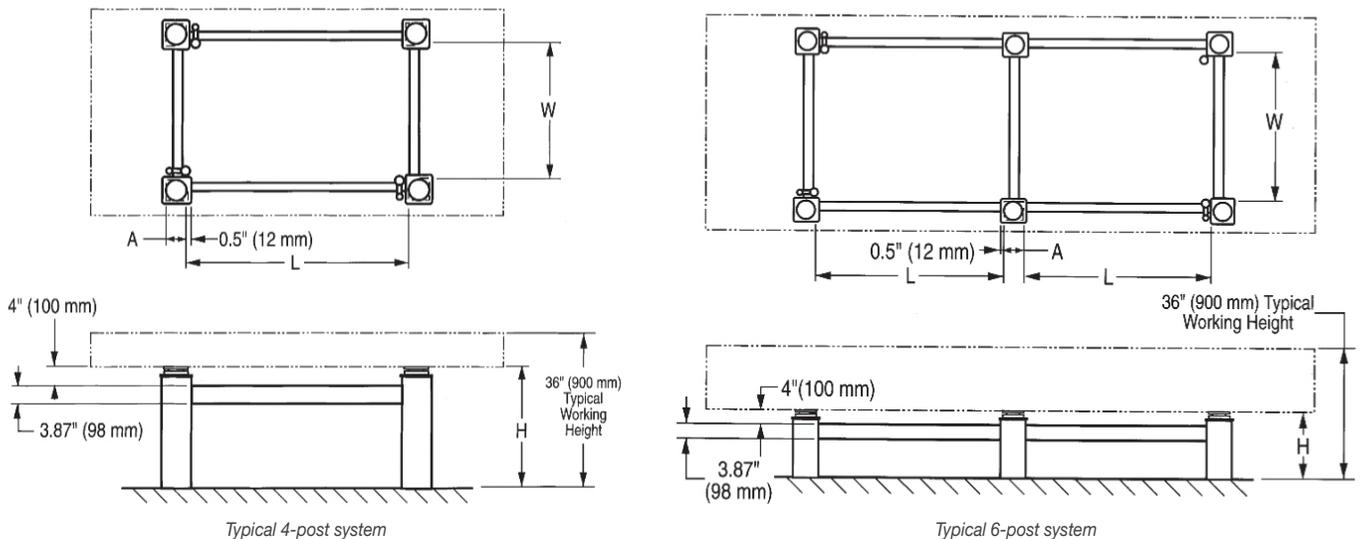
Rigid non-isolating supports reduce costs when no additional floor vibration isolation is required. Each support can be manually leveled.



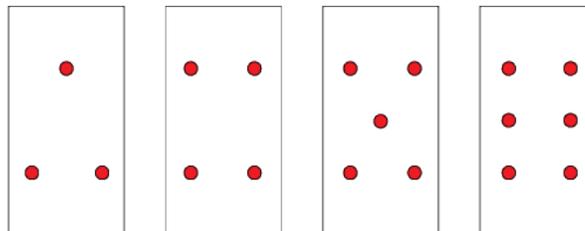
# Micro-g System 1

## Ordering Information Overview

<b>Standard configurations</b>	4-post system with tie-bars 6-post system with tie-bars Free-standing posts
<b>Vibration isolation options</b>	Rigid non-isolating supports with manual leveling HeliX airless isolators with manual leveling Gimbal Piston pneumatic isolators with automatic mechanical leveling MaxDamp pneumatic isolators with automatic mechanical leveling
<b>Optional addons</b>	Leveling baseplates Precision valves (Gimbal Piston and MaxDamp only) Casters Height control valve kit (free standing Gimbal Piston or MaxDamp posts only; comes standard with 4- and 6-post systems)
<b>Available standard lengths</b>	34 - 82 in. (86 - 208 cm) for 4-post 78 - 138 in. (198 - 350 cm) for 6-post
<b>Available standard widths</b>	27 - 52 in. (69 - 132 cm) for 4-post 42 - 52 in. (107 - 132 cm) for 6-post
<b>Available standard heights</b>	12 - 32 in. (30 - 80 cm)
<b>Weight capacities</b>	350, 1000, or 2500 lbs. (150, 450 or 1130 kg) per post for Gimbal Piston, MaxDamp, and Rigid Support 375 lbs. (170 kg) per post for HeliX



Positioning options with freestanding posts



To configure your system and get a quote visit  
<https://configure.techmfg.com>

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