2200 Series BenchMate
Vibration-Free Platforms

Features/Benefits:
- Unmatched price/performance
- Low profile Passive-Air or Active-Air designs
- VibraDamped construction
- Low natural frequency
- Excellent horizontal isolation
- Flatness: 0.005” over 24” x 24” on -22 and -32 top surfaces
- SPILLPRUF spill management
- Class 100 Cleanroom Compatible - Class 10 available

BenchMate Vibration-Free Platforms enhance the performance of precision tabletop equipment.

The 2210 Series is a Passive-Air design requiring an optional hand pump if an air source is not available. It requires periodic manual leveling.

The 2212 Series is an Active-Air design that requires an air source for use (not included). It is a self-leveling unit and recommended for regular use.

Ultimate BenchMate
The 2214 Series is very similar to the 2212, however it has the added benefit of multistage horizontal isolation. It is recommended in applications where horizontal vibrations are a problem.

Models
2210 & 2212
Now Available with Ultraflat Breadboard Top (-22 & -32 Tops Only)
Specifications

Min. Load @ 20 psi system pressure
Vertical Natural Frequency 2.3 Hz
Isolation Efficiency @ 5 Hz 52%
Horizontal Natural Frequency 2.8 kHz
Isolation Efficiency @ 5 Hz 40%
Max. Load @ 80 psi system pressure
Vertical Natural Frequency 2.1 Hz
Isolation Efficiency @ 5 Hz 72%
Horizontal Natural Frequency 1.8 kHz
Isolation Efficiency @ 5 Hz 87%
Net Load Capacity @ 80 psi:
2210-02-03 540 lbs. (244 kg)
All Others 200 lbs. (91 kg)

Optional Accessories
Hand Pump = HP
Portable Air Compressor = PAC

Applications (Partial List)

Dimensions

Ordering Information

Configuration
10 = Passive-Air
12 = Active-Air
14* = Active-Air with enhanced horizontal isolation

Tabletop Size
(Height x width)
01 = 20” x 24” (508mm x 609mm)
02 = 24” x 30” (609mm x 762mm)
03* = 24” x 36” (609mm x 914mm)
04 = 16” x 19” (406mm x 482mm)

Top Description
11 = White plastic laminate
12 = Ferromagnetic stainless steel
13 = Black plastic laminate
14 = White antistatic laminate
22 = Ferromagnetic stainless steel with 1/4–20 x 1" centers (SPILLPRUF) MaxxAlign
25 = Ferromagnetic stainless steel with 1/4–20 x 0.5" centers (SPILLPRUF) MaxxAlign
32 = Ferromagnetic stainless steel with M6 holes x 25mm centers (SPILLPRUF) MaxxAlign
35 = Ferromagnetic stainless steel with M6 holes x 12.5mm centers (SPILLPRUF) MaxxAlign

Finish:
Standard Linear White Polyurethane
Class 10 White Epoxy Powder Coat

Approximate Shipping Weight:
2210-01-xx 137 lbs. (62 kg)
2210-04-xx 107 lbs. (48 kg)
2211-01-xx 117 lbs. (53 kg)
2211-02-xx 210 lbs. (95 kg)
2212-03-xx 440 lbs. (199 kg)
2212-04-xx 142 lbs. (64 kg)
2214-01-xx 157 lbs. (71 kg)

Note: Typical performance efficiencies are for microdisturbances

Dimensions (Partial List)

Dimensions for 2210/2212-01/04
Dimensions for 2212-02/03
Dimensions for 2214-01-22