

VIBRAPLANE Workstations

1200 Series LabMate

High Capacity up to 2800 lbs.



Features/Benefits:

- Suitable for moving loads and higher centers of gravity
- Ultra low vertical natural frequencies
- Isolation efficiencies approaching 99%
- High performance Active-Air Suspension
- Automatic leveling and height control
- VibraDamped for improved performance
- 1" Thick VibraDamped Steel or 4" granite tabletops
- Choose from 16 sizes
- Class 10 Cleanroom Compatible —Class 10 available



Model 1201-02-11 shown with optional accessories. See page 16

The 1200 Series LabMate Workstation is a proven performer providing a reliable vibration-free work environment.

Specifications

Min. Load @ 20 psi system pressure

Vertical Natural Frequency	2.1 Hz
Isolation Efficiency @ 5 Hz	43%
Isolation Efficiency @ 10 Hz	89%

Horizontal Natural Frequency	3.5 Hz
Isolation Efficiency @ 5 Hz	40%
Isolation Efficiency @ 10 Hz	80%

Max. Load @ 80 psi system pressure

Vertical Natural Frequency	1.6 Hz
Isolation Efficiency @ 5 Hz	76%
Isolation Efficiency @ 10 Hz	93%

Horizontal Natural Frequency	2.5 Hz
Isolation Efficiency @ 5 Hz	75%
Isolation Efficiency @ 10 Hz	88%

Gross Load Capacity @ 80 psi	
1201	1300 lbs. (590 kg)
1202	2800 lbs. (1270 kg)

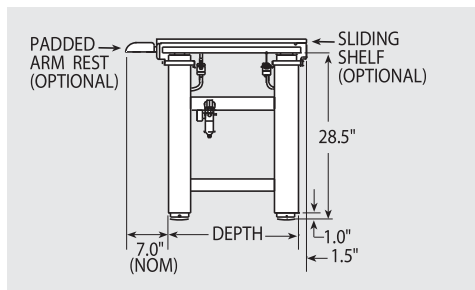
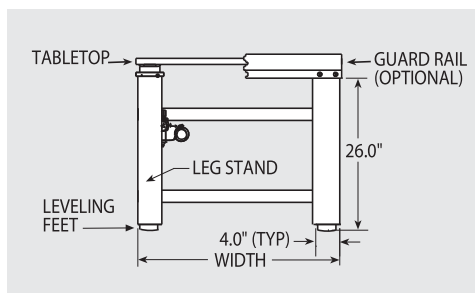
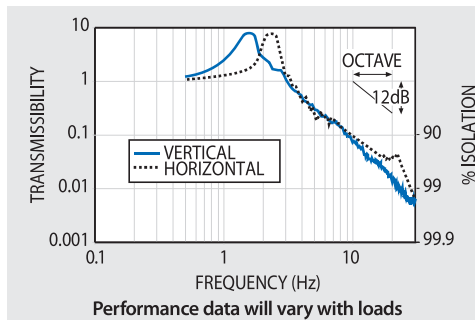
Finish:	
Standard	Charcoal Grey Medium Textured Polyurethane
Class 10	White Epoxy Powder Coat

Note: Typical performance efficiencies are for microdisturbances

Applications (Partial List)

Surface Plates, Analytical Balances, Profilometers, Tunneling Microscopes, Wafer Probing, Roundness Checkers, Mask Aligners, CMMs, and Prober Applications.

Performance Data



Ordering Information

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Gross Load Capacity
 01 = Up to 1300 lbs (591kg)
 02 = Up to 2800 lbs (1272kg)

Tabletop Size

Depth	Width
1 = 24" (609mm)	1 = 35" (889mm)
0 = 30" (762mm)	2 = 47" (1193mm)
2 = 36" (914mm)	3 = 59" (1499mm)
3 = 48" (1219mm)	4 = 71" (1803mm)
	5 = 42" (1066mm)

Tabletop Description

00 = No Tabletop	Weight lbs/sq.in (kg/sq.m)
11 = 1" (25mm) VibraDamped steel, white plastic laminate	.30 (211)
12 = 1" (25mm) VibraDamped steel, magnetic stainless steel laminate	.31 (218)
13 = 1" (25mm) VibraDamped steel, black plastic laminate	.30 (211)
14 = 1" (25mm) VibraDamped steel, white antistatic laminate	
30 = 4" (101mm) VT Gray Granite	.40 (281)

Note: See Page 16 and 18 for Tabletop Options and Accessories