

9100 Series VIBRAPLANE Workstations...

For Load Ranges up to 1300 lbs.

The 9100 Series Vibration Isolation Workstation sets the industry standard for the vast majority of vibration control applications. Designed to isolate sensitive instruments and experiments weighing up to 1300 lbs., the 9100 Series is an efficient, aesthetically and ergonomically styled piece of working furniture. It provides a comfortable work environment that can be customized to its specific use by adding a variety of worksurfaces and accessories. The 9100 provides both vertical and horizontal isolation. Supported by a VibraDamped steel frame with an Active-Air suspension, the worksurface will maintain a preset zero deflection level regardless of load addition or removal.

Features/Benefits:

- Vertical vibration isolation
- Horizontal vibration isolation
- VibraDamped steel frame
- High performance Active-Air Suspension
- Maintains a preset zero deflection level (regardless of load addition or removal)
- Choice of tabletops
- Choose from 12 sizes
- Ergonomic styling
- Class 100 Cleanroom Compatible —Class 10 available
- Tabletop uplimit travel restraints
- Precise, repeatable leveling accuracy to 0.001" with high accuracy valve

The 9100 Series is available for two load capacities, and is field convertible to desired capacity.

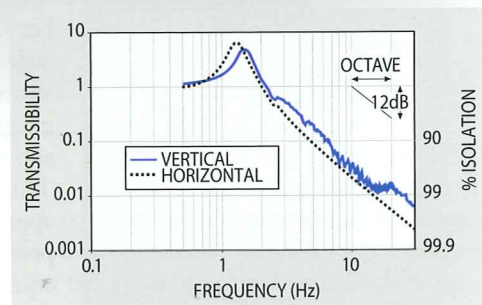
Applications

Analytical Balances
 Cell Injection
 Confocal Microscopes
 Patch Clamping
 Optical Microscopes
 Wafer Probing
 Mask Aligning
 Atomic Force Microscopes
 Microscopes

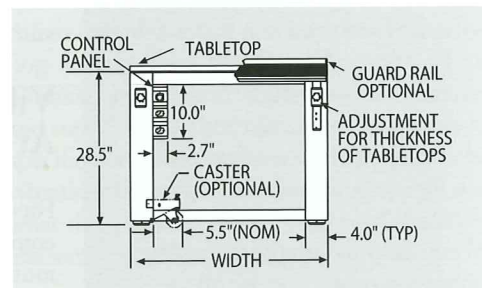
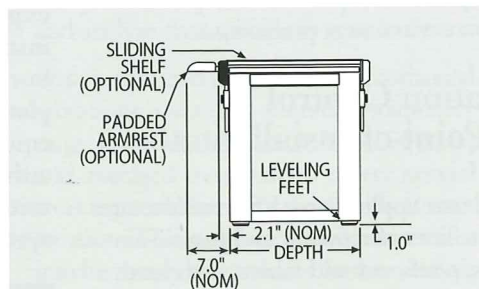


Model 9101-02-45
 shown with optional accessories. See page 18

Performance Data



Performance data will vary with loads



Setting the Standard for Quality



Specifications

Min. Load @ 20 psi

Vertical Natural Frequency	1.9 Hz
Isolation Efficiency @ 5 Hz	70%
Isolation Efficiency @ 10 Hz	90%

Horizontal Natural Frequency	2.2 Hz
Isolation Efficiency @ 5 Hz	64%
Isolation Efficiency @ 10 Hz	90%

Max. Load @ 80 psi

Vertical Natural Frequency	1.5 Hz
Isolation Efficiency @ 5 Hz	85%
Isolation Efficiency @ 10 Hz	97%

Horizontal Natural Frequency	1.2 Hz
Isolation Efficiency @ 5 Hz	91%
Isolation Efficiency @ 10 Hz	97%

Gross Load Capacity @ 80 psi	
9101	800 lbs. (363 kg)
9102	1300 lbs. (590 kg)

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

Note: Typical performance efficiencies are for microdisturbances

Optional Accessories

Select from the following accessories to build a workstation that satisfies your exacting requirements:

- Guard Rails - Front and Rear
- Side Guard Rails
- Padded Arm Rests
- Retractable Casters - Easily Move your Workstation in the Lab
- Faraday Cage
- Fixed Shelves - Standard and Custom Sizes
- Sliding Shelves - Gain More Tabletop Work Area
- Monitor Support - Offered for Both CRT and FPD
- Keyboard Shelf
- Overhead Rear Equipment Shelf
- Overhead Side Equipment Shelf
- Enclosures - Additional Protection for your Sensitive Equipment
- Portable Air Compressor
- Electrical Outlet Strip
- Class 10 Cleanroom Compatible Finish

See page 18 for Detailed Listing.



Model 9101-02-45
Shown with optional Faraday Cage with Roll-Up Door, Right Side Controls and Fixed Shelf accessories. See page 18

Ordering Information

91 - -

Gross Load Capacity (Including Tabletop)
01 = Up to 800 lbs (364kg)
02 = Up to 1300 lbs (591kg)

Tabletop Size



Depth	Width
1 = 24" (609mm)	1 = 36" (914mm)
0 = 30" (762mm)	2 = 48" (1219mm)
2 = 36" (914mm)	3 = 60" (1524mm)
	4 = 72" (1828mm)

Tabletop Description

Tabletop Description	Weight lbs/sq.in (kg/sq.m)
00 = No Tabletop	
21 = 2" (51mm) Composite w/white plastic laminate	.14* (98)
22 = 2" (51mm) Composite w/stainless laminate	
23 = 2" (51mm) Composite w/black plastic laminate	
24 = 2" (51mm) Composite w/antistatic laminate	
30 = 4" (101mm) VT Gray granite	.40 (281)
40 = 2" (51mm) Honeycomb/no holes	.14 (98)
45 = 2" (51mm) SPILLPRUF Honeycomb 1/4-20 x1" centers	
46 = 2" (51mm) SPILLPRUF Honeycomb M6 x 25mm centers	
80 = 4" (101mm) Honeycomb/no holes	
85 = 4" (101mm) SPILLPRUF Honeycomb 1/4-20 x1" centers	.16 (112)
86 = 4" (101mm) SPILLPRUF Honeycomb M6 x 25mm centers	

* 30" x 72", 36" x 60", and 36" x 72" composite tops weigh .11 lb/sq. in.

Note: See Page 18 and 20 for Tabletop Options and Accessories

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VIBRAPLANE Workstations

9211 Series Personal LabMate

For Load Ranges up to 440 lbs.



Features/Benefits:

- Vertical and horizontal vibration isolation
- High performance Active-Air Suspension
- Ergonomic styling
- Automatic leveling
- 1" Thick VibraDamped steel (see options for finish)
- Class 100 Cleanroom Compatible — Class 10 available
- Front guard rail is standard
- Leveling feet
- Tabletop uplimit travel restraints

The 9211 Series Personal LabMate Vibration Isolation Workstation is ideal for applications where floor space is limited.

Specifications

Min. Load @ 20 psi

Vertical Natural Frequency	2.1 Hz
Isolation Efficiency @ 5 Hz	72%
Isolation Efficiency @ 10 Hz	95%

Horizontal Natural Frequency	1.8 Hz
Isolation Efficiency @ 5 Hz	82%
Isolation Efficiency @ 10 Hz	93%

Max. Load @ 80 psi

Vertical Natural Frequency	1.5 Hz
Isolation Efficiency @ 5 Hz	85%
Isolation Efficiency @ 10 Hz	97%

Horizontal Natural Frequency	1.6 Hz
Isolation Efficiency @ 5 Hz	84%
Isolation Efficiency @ 10 Hz	94%

Gross Load Capacity @ 80 psi
600 lbs. (272 kg)

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

Note: Typical performance efficiencies are for microdisturbances

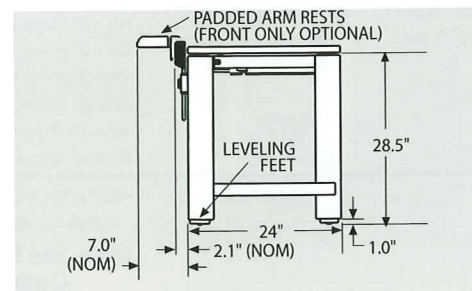
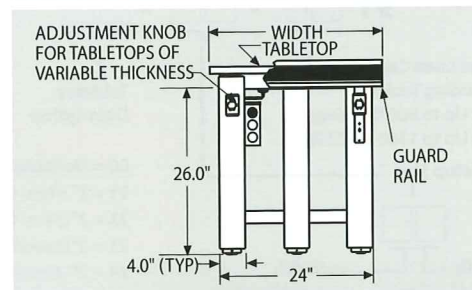
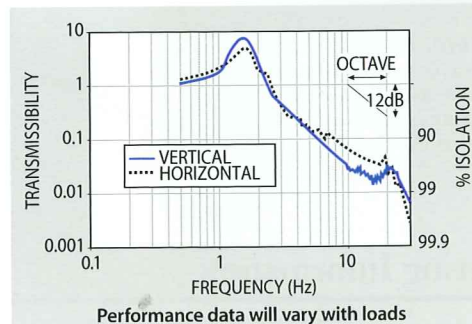
Applications (Partial List)

Balances, Optical Microscopes, Cell Injection, Roundness Checkers, and Surface Profilometers.



Model 9211-02-11 shown with optional accessories. See page 18

Performance Data



Ordering Information

9211 - [] - []

Tabletop Size (depth x width)

- 01 = 24" x 24" (609mm x 609mm)
- 02 = 24" x 30" (609mm x 762mm)
- 03 = 24" x 35" (609mm x 889mm)

Tabletop Description

Description	Weight lbs/sq.in (kg/sq.m)
00 = No Tabletop	
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	

Note: See Page 18 and 20 for Tabletop Options and Accessories