

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 levelling accuracy to 0.001" with high accuracy valve

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

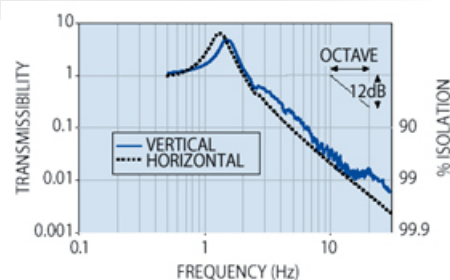
Applications

Analytical Balances
Cell Injection
Confocal Microscopes
Patch Clamping
Optical Microscopes
Atomic Force Microscopes
Microscopes

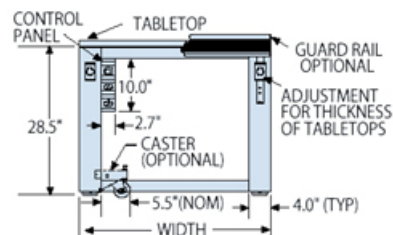
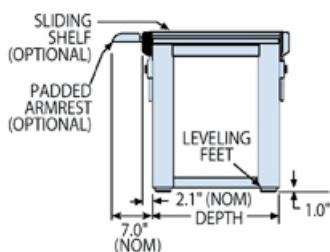


Model 9101-02-45 shown with optional accessories.

Performance Data



Performance data will vary with loads



Setting the Standard for Quality

Specifications:

Min. Load @ 20 psi system pressure

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 system pressure

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:

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



Model 9101-02-45

Shown with optional Faraday
Cage with Roll-Up Door,
Right Side Controls and Fixed
Shelf accessories.

Ordering Information

91 - -			
Gross Load Capacity (Including Tabletop) 01 = Up to 800 lbs (364kg) 02 = Up to 1300 lbs (591kg)		Tabletop Description	
Tabletop Size		Weight lbs/sq.in (kg/sq.m)	
	Depth	Width	00 = No Tabletop
			21 = 2" (51mm) Composite w/white plastic laminate
	0 = 30" (762mm) 2 = 36" (914mm)	1 = 36" (914mm) 2 = 48" (1219mm) 3 = 60" (1524mm) 4 = 72" (1828mm)	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
	0 = 30" (762mm) 2 = 36" (914mm)	1 = 36" (914mm) 2 = 48" (1219mm) 3 = 60" (1524mm) 4 = 72" (1828mm)	40 = 2" (51mm) Honeycomb/no holes
			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
			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.			

Personalize Your Workstation For Maximum of Accessories

Accessories

Features/Benefits:

- Complete line of accessories designed for each isolation system
- You customize your workstation
- Ergonomically correct comfort
- Optional roll-up door for enhanced laboratory space utilization

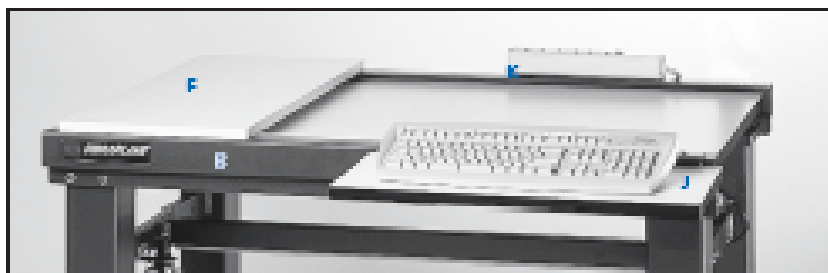
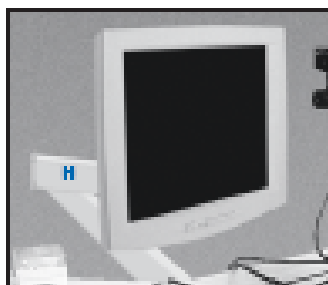
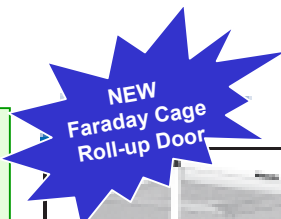
Using KSI's full line of accessories, personalized customization is a reality. Each accessory has been designed with the end use in mind. Shelves are strong to handle heavy loads, guard rails are comfortable, all accessories are separated from the tabletop ensuring maximum isolation, and all are designed with ergonomic user comfort as a priority.

Faraday Cages

For electrical and magnetic field shielding, KSI provides high performance Faraday cages for field damping. We offer two specialized designs: The first design (see photo "A" this page) features high density 16 mesh copper wires, with either roll-up or hinged front doors, while the second design (see photo "A1" below) is a Faraday Cage/Darkbox that utilizes an aluminium construction with multiple panel doors for easy access from all sides. Special shelving, access ports and door configurations are available on either configuration.



Provides attenuation of up to 100dB below 500 kHz, 60dB below 50MHz, and 20dB below 5 GHz.



Photos:

A = Faraday Cage

B = Guard Rail

C = Padded Armrest

D = Overhead Side Equipment Shelf

E = Overhead Rear Equipment Shelf

F = Sliding Shelf

G = Casters

H = Monitor Support

J = Keyboard Shelf

K = Electrical Outlet Strip

L = Fixed Shelf

Comfort and Convenience

ACCESSORY	Model #	MK26	9100	9211	1200	2000	2200	1206	9300	9600	8001	8002
Class Ten Cleanroom Compatible Finish	CL10	*	*	*	*	*	*	*	*	*		*
Damping Tank	DT							*				
Electrical Outlet Strip	EOS	*	*	*	*	*						*
Enclosures ²	ENC	*	*		*	*					*	*
Faraday Cage ² - Mesh	FC	*	*	*	*	*	*				*	*
Faraday Cage/Darkbox ² - Aluminium	FC						*					
Fixed Shelf (24" or 30" deep tables)	FS	*	*		*	*						*
Fixed Shelf Custom (tables deeper than 30")	FSC	*	*		*	*				*		*
Gross Load Upgrade: 800 lbs. to 1300 lbs.	GLU		*									
Guard Rails (front and rear)	GR - 'L'	*	*	+	*	++				*		*
Hand Pump	HP						*					
Height Extension - 5" (integral)	HE-5	*	*	*	*					*		
Height Extension - 5" (field retrofit)	HER-5	*	*	*	*							
Keyboard Shelf ¹ (Fixed) 10" x 24"	KS	*	*	*	*	*						*
Kinematic Feet (set)	KF		*	*	*							
Monitor Support (Corner Mount)	MS-CRT	*	*	*	*					*		*
Monitor Support (LCD)	MS-LCD	*	*	*	*	*				*		
Monitor Support (Double)	DMS-CRT	*	*	*		*				*		*
Monitor Support (Double LCD)	DMS-LCD	*	*	*	*	*				*		
Overhead Rear Equipment Shelf	ORES	*	*		*	*						*
Overhead Additional Rear Shelf	AERS	*	*		*	*						*
Overhead Side Equipment Shelf	OSSES	*	*		*	*						*
Overhead Additional Side Shelf	AESS	*	*		*	*						*
Padded Armrests (pair) ¹	PA2	*	*	*	*	*						*
Portable Air Compresso	PAC		*	*	*	*	*	*	*	*		
Rear Mounted Brace	RB				*							
Retractable Casters (set)	RC	*	*	*	*	*						*
Seismic Restraint	SR		*	*	*	*						*
Side Rails	SDR	*	*		*							
Sliding Shelf ¹ - 10" Wide	SS-10	*	*		*	*				*		*
Sliding Shelf ¹ - 12" Wide	SS-12	*	*		*	*				*	*	*
Sliding Shelf ¹ - 14" Wide	SS-14	*	*		*	*				*	*	*
Sliding Shelf ¹ , Custom (> 14" W, > 30" D)	SSC	*	*		*	*				*	*	*

Note: 'L' = Length of Table ¹= Requires Guard Rails ²= Requires Side and Guard Rails

+ = Standard Front Guard Rails Included

++ = Standard Front and Rear Guard Rails Included