



Creating the best environment for your laboratory



**Electron
Microscopy
Sciences**

Vibration Isolation Products

High performance anti-vibration platforms
and workstations



VIBRATION ISOLATION PRODUCTS

High performance anti-vibration platforms and workstations

Creating the best environment for your laboratory

Overview

Vibrations limit the performance of sensitive instruments in numerous applications. Thus the need to remove vibrations to optimize performance has become crucial. We have spent many years developing state-of-the-art workstations and platforms, which provide the user with a truly vibration free surface on which the user can place equipment. Our products are available in a wide range of sizes and shapes to support instruments of varying weights and footprints.

Features

- Choice of elastomeric or air isolators according to instrument requirements
- Active air self leveling and passive pump up versions
- Highly rigid laminated construction with damping core
- Low cost, easy to install and free from maintenance
- Ideal for laboratories and clean rooms, will meet Class 10 (Class 1 available)
- Simple, compact, easy to use and clean
- Wide range of sizes, options and accessories

Laboratory Microscope on Contoured Platform



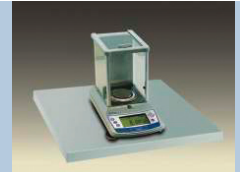
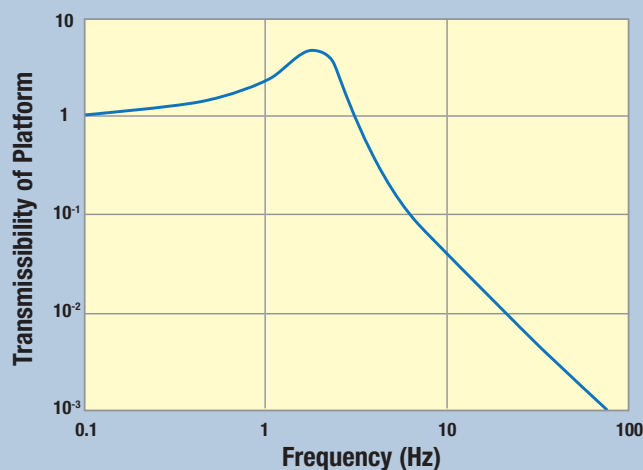
Theory

Elimination of movements from a working surface is achieved by isolating it from any external influences such as the floor and the structure itself. Worktop construction must be rigid to damp out any induced surface movements (fans etc.). The major sources of external disturbances are vertical and horizontal floor movements.

Floor vibrations arise from many sources; road traffic, trains, large machinery, lifts and building sway are among common examples. Typically building vibrations peak in the region of 7 Hz, however a metal frame building of height H has a resonance of roughly $46/H$ hertz, which means that on the fifth floor of a building you can expect horizontal and vertical displacements as low as 3 hertz. Floors almost never exhibit periodic vibrations in the 1 to 3Hz band.

The measure of the effectiveness of an isolation system is given by its transmissibility (below). As an approximate rule isolators start to become effective at between two to three times their own natural resonant frequency. Thus to remove vibrations at 7Hz an isolator with a natural frequency of about 2Hz is required.

The performance of an isolator depends on its stiffness and the mass it is supporting. In general isolator performance improves as mass is increased and for optimum performance one should work close to the maximum load an isolation system is designed to support. As an example, it is bad practice to place a 50kg load on a table designed to support 500kg, whereas a load of 200kg or more would be suitable.



Analytical Balance



Confocal Laser Microscope



Materials Tester



Semiconductor Bond Tester

Excellence in design

Great care has been taken in the design of our products to ensure they achieve the highest levels of performance while being easy to use and to clean thoroughly. With isolation design optimized for use in microscopy and surface design optimized for easy cleaning, our tables are ideal solutions for use in general purpose microscopy to cleanrooms and Biohazard areas.

- Excellent working environment
- Comfortable ergonomic design
- 240grade silicon stainless steel surface available

A better working environment

Platforms and workstations improve the environment for microscopes with all the features necessary to make your work easier. Workstations provide a tailored working environment as well as featuring an isolation platform built into the work surface, making working with a microscope both faster and easier, leading to more reliable measurements in your laboratory. Platforms can also be used stand alone beneath microscopes to isolate them from external disturbances and speed up measurement.

Vibration control

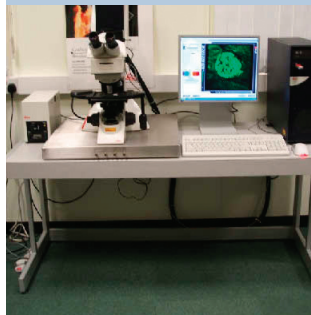
The AMF and AMP platforms offer the ultimate performance, incorporating four 2Hz damped rolling diaphragm air isolators, efficiently isolating frequencies from 6Hz and upwards. The AMS tables incorporate Sorbothane isolators, giving excellent isolation with a natural frequency of less than Hz. Our isolators considerably outperform both simple air cushion and rubber isolators, shortening stabilization times and speeding up measurements.

Flexible solutions

We offer a range of workstations and platforms to suit different environments and microscope performance levels. Workstations feature a platform mounted on a study steel frame with height adjustable leveling feet and guards to protect the table from accidental knocks during use.

Ergonomic design

The ergonomic workstation design minimizes user stress. With the active area option microscope platforms sit flush with the work surface and the surrounding area is useable for general work without disturbing measurements. Frames have height adjustable leveling feet, for excellent stability and user comfort with retractable castor feet, frame shelf and monitor support optional.



Construction of Air Platforms

Our platforms combine a highly rigid damped table with an excellent vibration isolation system in one unique package.

It has long been accepted that the best isolation is achieved using pneumatic isolation chambers, which utilize high performance rolling diaphragms. All our air isolators contain such a specially designed diaphragms.

Our air isolators are also connected to a damping volume via a tuned restrictor. The restrictor absorbs system energy by converting air movements into heat as it is forced through the restrictor. This removes the overshoot and oscillations, which occur in isolators without dampening chambers and highly specialized restrictors such as ours.

We use a low isolation volume to damping volume ratio, which means that the working surface appears stiff to the touch (as all large low frequency disturbances are rapidly damped away). Small higher frequency disturbances are removed by the isolator chamber, these have a resonant frequency (dependant on version and load) typically in the range 1.5 to 2Hz. and whose characteristics are given in the transmissibility curves.

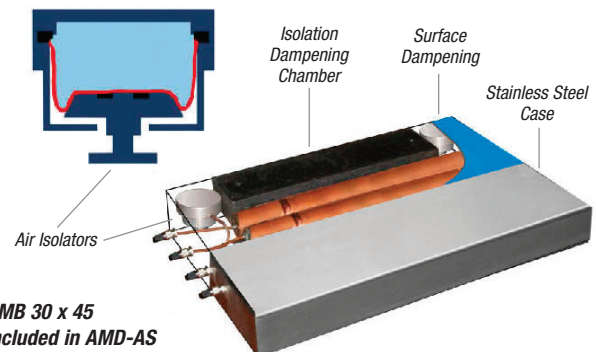
Our platforms feature a seamless steel top finished in either a white epoxy powder coat or pharma grade stainless steel. Both finishes meet the Class 10 requirements. The stainless finish may be required in certain environments and we would be pleased to advise on this. The tops are formed by laminating a highly damping core between two steel plates using high strength aerospace grade adhesives, a technique we developed in producing our range of high performance optical tables and breadboards.

Four isolators, airflow restrictors and damping volumes are integrated into the platforms, which allow the working surface to float freely away from its base during operation. The natural frequency is typically 2Hz both vertically and horizontally and is suitable for all but the most sensitive instruments, where our low frequency option should be selected. We offer a choice of active and passive platform versions.

In active platforms, each isolator is connected to a self-leveling arm, which can be externally adjusted to set the height of the platform and level it. They should be chosen when the load on a table is expected to vary frequently. These platforms require a continuous supply of air. This can be provided by a compressor or using a gas bottle (suitable for months of normal operation and ideal for clean room uses).

Passive platforms are designed for applications where load does not vary. This includes balance tables, which are designed for light loads where the platform is weighted to give good performance.

Platforms are manufactured in one location using state-of-the-art automated machinery to guarantee high tolerances and consistency while keeping costs low. Our products are assembled by a highly skilled workforce and rigorous quality control is applied throughout the manufacturing process.



**AMB 30 x 45
included in AMD-AS**

PLATFORMS

To select a platform you must first decide on the size of the working surface you require, the load it needs to support and the sensitivity of the equipment to vibrations; from this you can determine the class of product you require. You then need to decide whether you will require it to be floor mounted and what type of air supply would be best suited. We would be pleased to assist you and answer any questions you may have.

ACTIVE PLATFORMS

AMF Series Active Air Isolation Platforms

High performance anti-vibration platforms for microscopes



- Unique air damped rolling diaphragm sub 2Hz frequency isolator removes up to 99 percent of vibrations
- Stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened construction eliminates unwanted surface vibrations

Our range of active isolation platforms is large enough to support most of the larger microscopes along with their support equipment. The air isolation platform effectively removes most vibrations while combining excellent stability. The rigid frame option has leveling feet which ensure the table is in excellent contact with the floor. The damped rolling diaphragm isolators have a low natural frequency of 2Hz which effectively isolates out vibrations above 6Hz well below the frequencies at which typical building vibrations begin to occur. A wide range of options includes: guard rails, monitor arms, castors, stainless surface and silent air compressors. White epoxy optional.

Specifications

Platform Working Height (mm)	60
Load Capacity	100kg
Level Adjustment (mm)	+/-3mm
Surfaces	Pharma stainless steel
Isolators	4off damped rolling diaphragm, active air self-leveling

Isolation Performance

50Hz	97 percent
100Hz	99 percent

Natural Frequency	2Hz
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Air Supply	5 bar (max 7) via 6mm push-fitting
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Working Temperature	-20°C to 160°C
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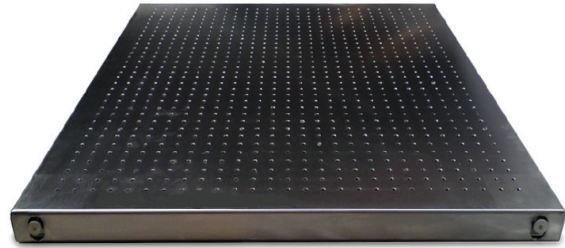
Ordering Information *Choose White Epoxy or Stainless Steel.*

Cat No. White Epoxy	Cat No. Stainless	Mfr.'s Code	Description	Qty.
6200	6200-SS	AMF-60x60	60 x 60 cm	each
6250	6250-SS	AMF-60x90	60 x 90 cm	each
6260	6260-SS	AMF-60x120	60 x 120 cm	each
6261	6261-SS	AMF-75x75	75 x 75 cm	each
6270	6270-SS	AMF-75x90	75 x 90 cm	each
6280	6280-SS	AMF-75x120	75 x 120 cm	each
6290	6290-SS	AMF-75x150	75 x 150 cm	each
6300	6300-SS	AMF-90x90	90 x 90 cm	each
6310	6310-SS	AMF-90x120	90 x 120 cm	each
6320	6320-SS	AMF-90x150	90 x 150 cm	each

See Modular Accessory Options on page 5.

AMFH Breadboards with Active Air Isolation

M6 x 25mm hole pattern



- Wide range of vibration isolation active air isolation breadboards with M6x25mm hole pattern in sizes from 60x60 to 120x75cm
- Incorporates unique air damped rolling diaphragm sub 2Hz isolators which remove up to 99 percent of vibrations
- A modular range of options allows you to configure tables to your own specifications
- Stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened table construction eliminates surface vibrations

Our range of active isolation breadboards allows you to build up systems on a bench with the advantage of a high performance isolation system being built into the breadboard. The air isolation effectively removes most vibrations while combining excellent stability. The damped rolling diaphragm isolators have a low natural frequency of 2Hz which effectively isolates out vibrations above 6Hz well below the frequencies at which typical building vibrations begin to occur. A wide range of option includes: frames, guard rails, monitor arms, castors, stainless surface and silent air compressors.

Specifications

Platform Working Height (mm)	60
Load Capacity	100kg
Level Adjustment (mm)	+/-3mm
Surfaces	Ferritic satin silicon stainless steel
Isolators	4off damped rolling diaphragm, active air self-leveling

Isolation Performance

50Hz	97 percent
100Hz	99 percent

Natural Frequency	2Hz
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Air Supply	5 bar (max 7) via 6mm push-fitting
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Working Temperature	-20°C to 160°C
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Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6210	AMFH-60x60	60x60	each
6215	AMFH-90x60	90x60	each
6220	AMFH-75x75	75x75	each
6225	AMFH-90x75	90x75	each
6230	AMFH-120x75	120x60	each

See Modular Accessory Options on page 5.

Packaging Options for AMF and AMP Series

Crates Platform and with Frame

Cat #	Description
6480	Up to and including 90 x 60cm
6490	Crates larger Platform and Frame

ACTIVE PLATFORMS

CONTINUED

AMF-LX Series Active Air Isolation Platforms

High performance anti-vibration platforms for balances and microscopes



- Performance vibration isolation active air isolation platforms for microbalances in sizes 45x50 and 60x60cm
- Unique air damped rolling diaphragm sub 2Hz frequency isolator removes up to 99 percent of vibrations
- Surface pharma grade stain silicon stainless with Ra of 0.25 microns
- Stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened table construction eliminates unwanted surface vibrations

Our range of active air balance isolation platforms is large enough to support most of the larger microbalances. The air isolation platform effectively removes most vibrations while combining excellent stability. The damped rolling diaphragm isolators have a low natural frequency of 2Hz which effectively isolates out vibrations above 6Hz well below the frequencies at which typical building vibrations begin to occur. The pharma stainless work surfaces have an Ra of 0.25 micron suitable for the highest levels of clean rooms. A wide range of options include: tables with guard rails, monitor arms, castors, stainless surface and silent air compressors. A 316 stainless version is available for Class 3 applications.

Specifications

Platform Working Height (mm)	60
Load Capacity	100kg
Level Adjustment (mm)	+/-3mm
Surfaces	Pharma stainless steel Ra 0.25 micron
Isolators	4off damped rolling diaphragm, active air self-leveling
Isolation Performance	
50Hz	97 percent
100Hz	99 percent
Natural Frequency	2Hz
Air Supply	5 bar (max 7) via 6mm push-fitting
Working Temperature	-20°C to 160°C

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6235	AMF-40x50-LX	40x50	each
6240	AMF-60x60-LX	60x60	each

Modular Accessories

Our accessories and options can be used with any of our range of tables and platforms over 60x60cm to improve the environment for your instruments as well as making your work easier.

Frame: Frames bolt directly to the platforms and are feature a hard grey epoxy powder finish. They are supplied with four leveling feet, giving 3cm of adjustment to ensure the frames stability on the most uneven floors. Frame height 71cm, going to a working height of 78cm.

Frame Shelf: Made from 2cm laminated board and are suitable for supporting equipment such as computers

Platform Guard: The platform guard is a sturdy rail (with side rail option) that fully surrounds the platform and protects it against accidental knocks, which would otherwise disturb instruments on the platform

Platform Shelf: A 30cm wide shelf, which sits on the guard rail over the platform and is quick and easy to remove and replace.

Retractable Castors: These castors incorporate a foot, which can be raised and lowered using a thumbwheel, allowing the workstation to be wheeled around and then securely mounted to the floor in a new location.

Monitor Stand: Supports monitors weighing up to 30kg. It features 360 degree rotation of the arm as well as height adjustment. It mounts to the platform guard.

Flat Screen Monitor Arm: The LCD monitor post bolts to the back guard at position of either the right or left support bar. It has an adjustable multi directional arm that allows the user to place the screen at the height and position most comfortable for use. It will support most standard monitor brackets. They also bolt directly to the AMT table tops (version shown)

Keyboard Shelf: Attaches to the base of the platform and is pulled out as required. It measures 50x35cm (WxD) and will accommodate most keyboards

Platform Guard with **Arm Rest Bar** and **Gel Rest** on AMF-120x75 table

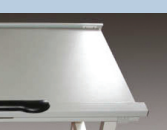
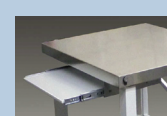
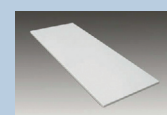


Silent Compressor: These compact and oil free air compressors are virtually silent (30dB/A) versions and suitable for running several platforms.

Air Preparation Unit: An air preparation unit should be used if compressed air is used which may be damp or contain small particles. The unit will ensure the air supply is properly cleaned and dry before entering the platforms.

Mini Compressor: With noise levels of less than 47dB and almost no vibration, this is the best compressor for use with vibration isolation tables. The rings ensure the air is clean and pure and each compressor is fitted with a 10 bar regulator and 5 micron filter as standard. The air output is 6mm push fitting standard or 1/8 BSP if preferred. Models include: UK version 240Vac, European 220Vac version and USA 115 Vac version.

Mfr.'s				Mfr.'s			
Cat No.	Code	Description	Qty.	Cat No.	Code	Description	Qty.
6500	F01	Medium Frame for Platform	each	6525	F13	Passive Platform Guards	each
6510	F02	Frame Shelf	each	6580	F15	Gel Arm Rest	each
6520	F03	Active Platform Guards	each	6581-KS	F17	Keyboard Shelf	each
6530	F04	Platform Shelf	each	6581-TD	F19	Table Drawer	each
6540	F05	Monitor Stand (needs guard)	each	6590	F27	Active Area Plate (40x50cm)	each
6550	F06	Retractable Castor Feet	each	6600	F28	Active Isolation Area Top Plate	each
6560	F08	Arm Rest Bar	each	6610	C01	Silent Compressor	each
6570	F10	Flat Screen Monitor Arm	each	6620	C02	Air Preparation Unit	each
				6630	C03	Mini Compressor	each





PASSIVE PLATFORMS

AMP Series Passive Air Isolation Platforms

High Performance anti-vibration platforms for microscopes



- Unique air damped rolling diaphragm sub 2Hz frequency isolator removes up to 99 percent of vibrations
- Stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened construction eliminates unwanted surface vibrations

These passive platforms are designed to be pumped-up and left alone. Simple to use, they are ideal for use with fixed loads or in applications where pressurized air or gas cannot be used. They support loads up to 160kg and sizes range from 60x60cm to 150x90cm with a 6cm working height.

Specifications

Platform Working Height (mm)	60
Load Capacity	100kg
Level Adjustment (mm)	+/-15mm
Surfaces	white epoxy or stainless steel
Isolators	4off damped rolling diaphragm, passive air pump-up
Isolation Performance	
50Hz	97 percent
100Hz	99 percent
Natural Frequency	2Hz
Air Supply	Pumped via 4 woods cycle valves
Working Temperature	-20°C to 160°C

Ordering Information *Choose White Epoxy or Stainless Steel.*

Cat No. White Epoxy	Cat No. Stainless	Mfr.'s Code	Description	Qty.
6330	6330-SS	AMP-60x60	60 x 60 cm	each
6340	6340-SS	AMP-60x90	60 x 90 cm	each
6350	6350-SS	AMP-60x120	60 x 120 cm	each
6351	6351-SS	AMP-75x75	75 x 75 cm	each
6360	6360-SS	AMP-75x90	75 x 90 cm	each
6370	6370-SS	AMP-75x120	75 x 120 cm	each
6380	6380-SS	AMP-75x150	75 x 150 cm	each
6390	6390-SS	AMP-90x90	90 x 90 cm	each
6400	6400-SS	AMP-90x120	90 x 120 cm	each
6410	6410-SS	AMP-90x150	90 x 150 cm	each

See Modular Accessory Options on page 5.

Packaging Options for AMF and AMP Series

Crates Platform and with Frame

Cat #	Description
6480	Up to and including 90 x 60cm
6490	Crates larger Platform and Frame

AMB Series Passive Air Isolation Platforms

High Performance anti vibration platform for balances

- Three sizes of air isolation platforms for analytical balances
- Unique rolling diaphragm 2Hz natural frequency isolator design removes up to 90 percent of unwanted vibrations
- Ideal for clean room use and biohazard environments
- Pharma stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened layer construction eliminates surface vibrations



The custom design of low 2Hz natural frequency isolators built into this platform ensures that low frequency building vibrations that commonly occur from 6Hz upwards are effectively removed, increasing instrument performance. The design incorporates the proven technology of rolling diaphragm isolators, which greatly outperform rubber and elastomer isolators. A seamless design and pharma grade stainless make this platform ideal for laboratory environments and clean rooms.

The AMB series of pneumatic platforms incorporate four 2Hz natural frequency rolling diaphragm damped isolators. The platform surfaces are manufactured from Pharma grade stainless steel, which is seamlessly welded, ground and finished along the corners to produce a perfectly smooth surface which can be cleaned thoroughly. Tuned dampening chambers and masses are incorporated to maximize stability and performance. The table is simply inflated via adjustable valves using a standard bicycle pump.

Specifications

Platform Working Height (mm)	60
Load Capacity	100kg
Isolator Surface	Pharma grade stainless steel
Isolator Type	Pneumatic air
Isolation Performance	
50Hz	97 percent
100Hz	99 percent
Natural Frequency	2Hz
Dimensions (LxWxH)mm's	300 x 450 x55
Working Temperature	-20°C to 120°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable

Ordering Information *Stainless Steel.*

Cat. No. Stainless	Mfr.'s Code	Description	Qty.
6640-SS	AMB-45x30	45 x 30 cm	each
6650-SS	AMB-50x40	50 x 40 cm	each
6660-SS	AMB-60x60	60 x 60 cm	each

Cat. No.	Description	Qty.
6670	Crate for Above	each

SORBOTHANE PLATFORMS

- Unique Sorbothane isolator design removes up to 98 percent of unwanted vibrations
- Custom Damped Sorbothane low frequency isolators built in
- Pharma grade stainless meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened layer construction eliminates surface vibrations

Sorbothane elastomer isolators have outstanding damping performance compared to isolators that use springs, rubber, or neoprene and so eliminate any rocking or wobble that is a major problem with other brands of platform. Sorbothane rapidly damps down disturbances to the microscope, such as when it is being touched during operation. It greatly improves image quality by protecting microscopes from both horizontal and vertical vibrations emanating from sources such as floors, walls and benching and caused by traffic, elevators, rotating machinery and numerous other sources.

The seamless design and pharma grade stainless steel featured in the AMS, AMSM, and AMSR Series makes these tables ideal for use laboratories and cleanrooms and in Medical and Biological environments.

AMS Series Sorbothane Isolation Platforms

For 4 and 5 digit balances

Specifications

Load Capacity	25 kg
Surface	Pharma grade stainless steel
Surface Finish Ra	0.05 micron
Isolators	4off sorbothane (thermoset polyester based polyurethane)
Isolation Performance	50Hz 95 percent 100Hz 98 percent
Natural Frequency	7Hz
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Weight	12–15 kg



Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6870	AMS-30x45	30 x 45 cm	each
6870-40	AMS-40x50	40 x 50 cm	each
6870-60	AMS-60x60	60 x 60 cm	each

AMSM Series Sorbothane Isolation Platforms

For sensitive instruments

Specifications

Load Capacity	75 kg
Surface	Pharma grade stainless steel
Surface Finish Ra	0.25 micron
Isolators	4off sorbothane (thermoset polyester based polyurethane)
Isolation Performance	50Hz 95 percent 100Hz 98 percent
Natural Frequency	7Hz
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Weight	12–25 kg



Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6871-60	AMSM-60x60	60 x 60 cm	each
6871-75	AMSM-75x75	75 x 75 cm	each
6871-90	AMSM-90x75	90 x 75 cm	each
6871-120	AMSM-120x75	120 x 75 cm	each

AMSR Series Sorbothane Isolation Platforms

For heavy instruments

Specifications

Load Capacity	200 kg
Surface	Pharma grade stainless steel
Surface Finish Ra	0.25 micron
Isolators	4off sorbothane (thermoset polyester based polyurethane)
Isolation Performance	50Hz 95 percent 100Hz 98 percent
Natural Frequency	7Hz
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Weight	15–30 kg



Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6872-60	AMSR-60x60	60 x 60 cm	each
6872-75	AMSR-75x75	75 x 75 cm	each
6872-90	AMSR-90x75	90 x 75 cm	each
6872-120	AMSR-120x75	120 x 75 cm	each

HIGH-LOAD PLATFORMS



AMCU Series High-Load Isolation Platforms

High load anti-vibration platforms for heavy instruments

- Pump up air isolators with natural frequency of 3Hz remove up to 97percent of vibrations at 50Hz
- Pharma grade stainless seamless construction makes it suitable for use in most laboratory environments
- Options include a heavy duty stand with optional retractable castor feet

Our range of high load isolation platforms is large enough to support instruments with a footprint up to 900x900mm and weighing up to 1000kg. The 3Hz natural frequency air isolators effectively remove most vibrations while maintaining excellent stability. The rigid frame option has leveling feet which ensure the table is in excellent contact with the floor.

The isolators are simply pumped up with a foot pump, which floats the instrument away from the floor, isolating out vibrations above 6Hz well below the frequencies at which typical building vibrations begin to occur.

Specifications

Load Capacity	1000kg
Level Adjustment	6mm
Isolator Surface	Pharma grade stainless steel
Isolators	4off cushion air isolators (hand pumped via Schrader valve)
Isolation Performance	
50Hz	95 percent
100Hz	98 percent
Natural Frequency	3 to 5Hz
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Weight	45kg, 60kg, 80kg

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6953	AMCU-75x75	75 x 75 cm	each
6954	AMCU-75x90	75 x 90 cm	each
6955	AMCU-90x90	90 x 90 cm	each

CONTOURED PLATFORMS

AMC Series Contoured Platforms

Contoured shape ideal for use with microscopes

- Rolling diaphragm air isolator removes up to 99 percent of vibrations
- Ideal for laminar flow cabinets, biohazard areas, cleanrooms
- Electroless nickel version meets Class 1
- AMC-7 with sorbothane isolators gives economic isolation



AMC-1



AMC-3



AMC-7

These platforms remove unwanted vibrations which limit the performance of microscopes. Their T-shaped profile allows users to place their arms on either side of the platform, while the rear section is wide enough to accommodate most makes of microscope.

Air platforms are made from aluminum parts and are fully non-magnetic. They meet the most stringent cleanliness requirements, such as Class 1 and are resistant to most forms of biological and chemical attack. Their simple shape makes them very easy to clean. We offer a choice of white epoxy powder or electroless nickel finishes.

Air platform top plates rest on three pneumatic damped rolling diaphragm isolators. Typical building vibrations, which cause the most problems, are the cyclical ones between 7 and 30Hz. These isolators have a natural frequency of around 2Hz and start to effectively isolate vibrations from 7Hz upwards, greatly outperforming simple air cushion and rubber isolators which have much higher natural frequencies.

The isolators are inflated using a conventional bicycle pump. When pressurized the isolators float the platform free from the bench it is placed on and so isolate the microscope placed on top from vibrations present on the worksurface via a cushion of air enclosed by the rolling diaphragm.

The AMC-7 has three elastomeric isolators which give good isolation above 20Hz and features a white epoxy finish over a steel base.

Specifications

Specifications	AMC-1	AMC-3	AMC-7
Dimensions LxWxH (mm)	580x380x55		565x380x45
Load Capacity (kg)	100		25; 75 with Option L
Level Adjustment (mm)	5		N/A
Isolators	3off air rolling diaphragm damped. Pumped up		3 off elastomeric
Isolation Performance	50Hz	97%	95%
	100Hz	99%	98%
Natural Frequency	2Hz vertical 2Hz horizontal		7Hz vertical 2Hz horizontal
Surface Finish	Electroless Nickel	White Epoxy	White Epoxy
Construction	Aluminum		Steel
Bacterial Resistance	No growth		No growth
Fungal Resistance	No growth		No growth
Heat Aging	Stable		Stable
Working Temperature	-20°C to 160°C		-20°C to 160°C
Weight	5kg		12kg

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6701	AMC-1	Passive Isolation Plate. Nickel	each
6703	AMC-3	Passive Powdered, White	each
6719	AMC-7	Contoured Sorbothane	each
6732		L-Option for AMC-7, 75kg capacity	each

WORKSTATIONS



AMD Series Active Area Balance Tables — AMD-AS and AMD-SS

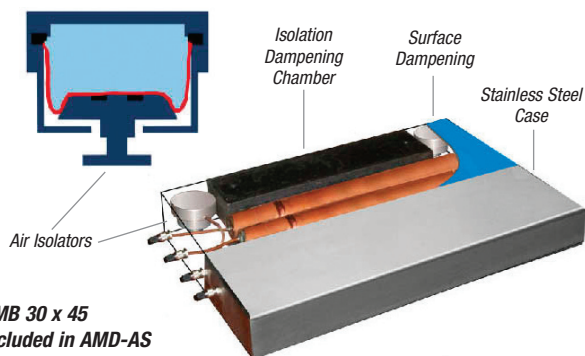
High Performance anti vibration tables for balances

- Built-in isolation area designed for analytical balance
- Removes up to 99 percent of unwanted vertical and horizontal vibrations
- Flush working area around balance for supporting hardware
- Pharma satin silicon 0.25Ra stainless steel meets international standards for cleanliness
- Outperforms rubber and spring isolators and simple granite and steel tables

These workstations remove unwanted vibrations which limit the performance of sensitive instruments such as balances. The table is offered in a range of sizes and incorporates a 30x45cm vibration isolation platform, which sits flush with the surrounding table surface in a recess. Instruments are placed directly onto this isolation section of the workstation and isolations are removed by the built-in isolators. Tilting leveling feet on the frame ensure the table sits stably on the floor.

The stainless steel versions feature a satin silicon finish with a very low Ra of 0.25 making them ideal for cleanrooms and as well as being resistant to almost all forms of biological and chemical attack. The frame is produced using tubular ERW steel which combines high rigidity with a closed profile that allows easy and thorough cleaning. Tilting leveling feet ensure it sits perfectly in contact with the floor.

AMD-AS stainless air table features our AMB-30x45 pneumatic platform. It incorporates four low 2Hz natural frequency rolling diaphragm damped isolators and the platform and table top feature 240 ground satin stainless steel. The isolators are simply inflated via adjustable valves using a bicycle pump.



AMB 30 x 45
included in **AMD-AS**

AMD-SS stainless version features an AMS-30x45 platform with four 7Hz sorbothane isolators which give an excellent 95 percent isolation at 50Hz. A unique sound deadening core soaks up surface borne vibrations and ensures our tables outperform simple granite and steel tables by up to 20dB. 240 silicon satin stainless ensures our tables meet all the requirements for use in stringent environments such as cleanrooms and biohazard areas.



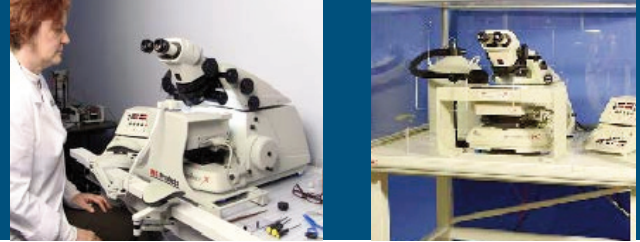
Specifications

	AMD-AS	AMD-SS
Isolation Platform	AMB-30x45	AMS-30x45
Table Working Surface	Satin silicon finished	stainless steel
Isolator Type	Pneumatic	Elastomer
Isolation Performance		
50Hz	97 percent	95 percent
100H	99 percent	98 percent
Natural Frequency	2Hz	
Working Height	75cm (90 cm optional)	
Table Top Thickness	2 cm	
Height Range Adjustable)	+/- 15 cm	
Isolation Platform Size	30x45 cm	
Load Capacity	100 kg	
Frame Construction	ERW box section steel	
Frame Finish	White powder epoxy	
Working Temperature	-20°C to 160°C	
Bacterial Resistance	No growth	
Fungal Resistance	No growth	
Heat Aging	Stable	

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
AMD-AS Series			
6705	AMD-AS-75x75	75 x 75 cm	each
6706	AMD-AS-90x75	90 x 75 cm	each
6707	AMD-AS-120x75	120 x 75 cm	each
With Trespa Top			
6716	AMD-AS-75x75-TR	75 x 75 cm	each
6717	AMD-AS-90x75-TR	90 x 75 cm	each
6718	AMD-AS-120x75-TR	120 x 75 cm	each
AMD-SS Series			
6690	AMD-SS-75x75	75 x 75 cm	each
6691	AMD-SS-90x75	90 x 75 cm	each
6692	AMD-SS-120x75	120 x 75 cm	each
With Trespa Top			
6693	AMD-SS-75x75-TR	75 x 75 cm	each
6694	AMD-SS-90x75-TR	90 x 75 cm	each
6695	AMD-SS-120x75-TR	120 x 75 cm	each

WORKSTATIONS (continued)



AMD-MA Active Area Table for Ultramicrotomes

High Performance anti vibration platform for ultramicrotomes

- Active vibrations isolation table for performance microtomes
- Unique damped rolling diaphragm sub 2Hz frequency isolator removes up to 99 percent of vibrations
- Active 35x55cm isolation area built into worktop sits on full size table underneath gives excellent stability and maximizes work area
- Stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened table construction eliminates unwanted surface vibrations



The use of a built in active isolation table ensures complete isolation from vibrations while combining excellent stability. A top plate sits over the isolation table and has an isolation area of 35x55cm built in for the microtome. Larger isolation areas are also available. The surrounding area of the worktop can thus be used for placing equipment on and for work without disturbing the microscope. The damped rolling diaphragm isolators have a low natural frequency of 2Hz which effectively isolates out vibrations above 6Hz, well below the frequencies at which typical building vibrations begin to occur. A wide range of option includes monitor arms, castors, stainless surface and silent air compressors.

See Modular Accessory Options on page 5.

Specifications

Dimensions (LxWxD)	780x780, 930x780, 1230x780mm
Active Area (LxW)	350x550; other sizes on request
Height	780mm
Load Capacity	100kg
Level Adjustment	+/-15mm
Surfaces	white epoxy (stainless steel option)
Isolators	4off damped rolling diaphragm active air isolators
Isolation Performance	
50Hz	97 percent
100H	99 percent
Natural Frequency	2Hz
Air Supply	5 to 10 bar max via 6mm airline
Working Temperature	-20°C to 160°C
Shipping Weight	90 kg

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
7710	AMD-MA-75x75	75 x 75 cm	each
7711	AMD-MA-90x75	90 x 75 cm	each
7712	AMD-MA-120x75	120 x 75 cm	each

AMD-MF Series Microscope Air Tables

High Performance anti vibration tables for microscopes

- Range of vibration air isolation tables for performance microscopes active self-leveling for varying loads
- Unique air damped rolling diaphragm sub 2Hz frequency isolator removes up to 99 percent of vibrations
- Full width table guards protect the table against accidental knocks and highly rigid frame with leveling feet guarantees stability
- Stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened table construction eliminates unwanted surface vibrations



These isolation tables are large enough to support most of the larger microscopes along with their support equipment. The air isolation platform effectively removes most vibrations while combining excellent stability. Guard rails protect against accidental knocks and the rigid frame has leveling feet which ensure the table is in excellent contact with the floor. The damped rolling diaphragm isolators have a low natural frequency of 2Hz which effectively isolates out vibrations above 6Hz well below the frequencies at which typical building vibrations begin to occur. A wide range of option includes monitor arms, castors, stainless surface and silent air compressors.

See Modular Accessory Options on page 5.

Specifications

Dimensions (LxWxD)	780x780, 930x780, 1230x780
Height	780mm
Load Capacity	100kg
Level Adjustment	+/-15mm
Surfaces	white epoxy or stainless steel
Isolators	4off damped rolling diaphragm active air isolators
Isolation Performance	
50Hz	97 percent
100H	99 percent
Natural Frequency	2Hz
Air Supply	5 to 10 bar max via 6mm push fitting
Working Temperature	-20°C to 160°C
Shipping Weight	70 kg

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
7515	AMD-MF-75x75	75 x 75 cm	each
7516	AMD-MF-90x75	90 x 75 cm	each
7517	AMD-MF-120x75	120 x 75 cm	each

WORKSTATIONS (continued)



AMD-MP Series Microscope Air Tables

High Performance anti vibration tables for microscopes

- Range of vibration air isolation tables for performance microscopes which are simply pumped up via cycle valves on a front panel
- Unique air damped rolling diaphragm sub 2Hz frequency isolator removes up to 99 percent of vibrations
- Full width table guards protect the table against accidental knocks and highly rigid frame with leveling feet guarantees stability
- Stainless steel version meets stringent cleanliness requirements and is resistant to almost all forms of chemical attack
- Sound deadened table construction eliminates unwanted surface vibrations



These isolation tables are large enough to support most of the larger microscopes along with their support equipment. The air isolation platform effectively removes most vibrations while combining excellent stability. Guard rails protect against accidental knocks and the rigid frame has leveling feet which ensure the table is in excellent contact with the floor. The damped rolling diaphragm isolators have a low natural frequency of 2Hz which effectively isolates out vibrations above 6Hz well below the frequencies at which typical building vibrations begin to occur. A wide range of option includes monitor arms, castors, stainless surface and silent air compressors.

See Modular Accessory Options on page 5.

Specifications

Dimensions (LxWxD)	780x780, 930x780, 1230x780
Height	780mm
Load Capacity	100kg
Level Adjustment	+/-15mm
Surfaces	white epoxy or stainless steel
Isolators	4off damped rolling diaphragm passive isolators
Isolation Performance	
50Hz	97 percent
100H	99 percent
Natural Frequency	2Hz
Air Supply	Pumped up via four woods cycle valves central placed on front side
Working Temperature	-20°C to 160°C
Shipping Weight	70 kg

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
7713	AMD-MP-75x75	75 x 75 cm	each
7714	AMD-MP-90x75	90 x 75 cm	each
7720	AMD-MP-120x75	120 x 75 cm	each

AMD-FH Series Microscope Tables

High Performance anti vibration tables for microscopes

- Range of vibration air isolation tables for performance microscopes with ferromagnetic stainless worktop with M6 holes on a 25mm grid
- Unique air damped rolling diaphragm sub 2Hz frequency isolator removes up to 99 percent of vibrations
- Full active table with self-leveling automatically adjusts to changes in load
- Includes platform guards , range of options includes adjustable arm rest bar with gel pad, castors and shelves
- Sound deadened table construction eliminates unwanted surface vibrations



The isolation table is large enough to support most of the larger microscopes along with their support equipment. The air isolation platform effectively removes most vibrations while combining excellent stability. The rigid frame has leveling feet which ensure the table is in excellent contact with the floor. The damped rolling diaphragm isolators have a low natural frequency of 2Hz which effectively isolates out vibrations above 6Hz well below the frequencies at which typical building vibrations begin to occur. A wide range of option includes: monitor arms, castors, frame and platform shelves and silent air compressors.

See Modular Accessory Options on page 5.

Specifications

Dimensions (LxWxD)	780x780, 930x780, 1230x780
Height	750mm (900mm option)
Load Capacity	100kg
Level Adjustment	+/-15mm
Surfaces	ferritic stainless steel with M6 holes on 25mm grid
Isolators	4off damped rolling diaphragm active air isolators
Isolation Performance	
50Hz	97 percent
100H	99 percent
Natural Frequency	2Hz
Air Supply	5 to 10 bar max via 6mm airline push fitting
Working Temperature	-20°C to 160°C
Shipping Weight	50 to 100 kg

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
7512	AMD-FH-75x75	75 x 75 cm	each
7513	AMD-FH-90x75	90 x 75 cm	each
7514	AMD-FH-120x75	120 x 75 cm	each

SORBOTHANE WORKSTATIONS

AMD Series Sorbothane Tables — AMD-SB, AMD-SM, and AMD-SR

High Performance anti vibration tables for sensitive instruments

- A range of pharma stainless worktop tables with vibration isolation, greatly improving the working environment for sensitive instruments
- Unique Sorbothane isolator design removes up to 98 percent of unwanted vibrations
- Wide range of accessories creates the best environment, increasing performance, productivity and user comfort
- Satin silicon stainless suitable for highest level cleanrooms with 0.25 Ra with seamless cleanroom stainless frame
- Sound deadened layer, steel-core dampening-steel construction eliminates surface vibrations

The custom design and low natural frequency of the isolators built into these platforms ensures that vibrations common in most laboratories are effectively removed, greatly increasing instrument performance. The seamless design and pharma grade stainless steel featured in the AMD-SB, AMD-SM, and AMD-SR Series make these tables ideal for use in cleanrooms and in Medical and Biological environments.



Trespa Toplab surface also available

AMD-SB Series Balance Tables

Application: Balances
Suitable for loads up to 25kg.



Specifications

Working Height	750mm (900 on request)
Load Capacity	25kg
Level Adjustment	+/-15mm
Surfaces	Top: pharma grade stainless steel; Frame: powder white epoxy
Isolators	4off sorbothane (thermoset polyester based polyurethane active air isolators)
Isolation Performance	
50Hz	95 percent
100H	98 percent
Natural Frequency	7Hz
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Shipping Weight	50 kg in 2 boxes

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
6700	AMD-SB-75x75	75 x 75 cm	each
6758	AMD-SB-90x75	90 x 75 cm	each
6759	AMD-SB-120x75	120 x 75 cm	each
Trespa Top			
7526	AMD-SB-75x75-TR	75 x 75 cm	each
7527	AMD-SB-90x75-TR	90 x 75 cm	each
7528	AMD-SB-120x75-TR	120 x 75 cm	each

AMD-SM Series Balance Tables

Application: Microscopes
Suitable for loads up to 75kg.



Specifications

Working Height	750mm (900 on request)
Load Capacity	75kg
Level Adjustment	+/-15mm
Surfaces	Top: pharma grade stainless steel; Frame: powder white epoxy
Isolators	4off sorbothane (thermoset polyester based polyurethane active air isolators)
Isolation Performance	
50Hz	95 percent
100H	98 percent
Natural Frequency	7Hz
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Shipping Weight	50 kg in 2 boxes

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
7506	AMD-SM-75x75	75 x 75 cm	each
7507	AMD-SM-90x75	90 x 75 cm	each
7508	AMD-SM-120x75	120 x 75 cm	each
Trespa Top			
7536	AMD-SM-75x75-TR	75 x 75 cm	each
7537	AMD-SM-90x75-TR	90 x 75 cm	each
7538	AMD-SM-120x75-TR	120 x 75 cm	each

AMD-SR Series Balance Tables

Application: Heavy Instruments Suitable for loads up to 200kg.



Specifications

Working Height	750mm (900 on request)
Load Capacity	200kg
Level Adjustment	+/-15mm
Surfaces	Top: pharma grade stainless steel; Frame: powder white epoxy
Isolators	4off sorbothane (thermoset polyester based polyurethane active air isolators)
Isolation Performance	
50Hz	95 percent
100H	98 percent
Natural Frequency	7Hz
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Shipping Weight	50 kg in 2 boxes

Ordering Information

Cat #	Mfr.'s Code	Description	Qty.
7509	AMD-SR-75x75	75 x 75 cm	each
7510	AMD-SR-90x75	90 x 75 cm	each
7511	AMD-SR-120x75	120 x 75 cm	each
Stainless Steel			
7522	AMD-SR-75x75-SS	75 x 75 cm	each
7523	AMD-SR-90x75-SS	90 x 75 cm	each
7524	AMD-SR-120x75-SS	120 x 75 cm	each
Trespa Top			
7545	AMD-SR-75x75-TR	75 x 75 cm	each
7546	AMD-SR-90x75-TR	90 x 75 cm	each
7547	AMD-SR-120x75-TR	120 x 75 cm	each

Options for AMD-SB, AMD-SM, and AMD-SR. See page 5 for more information.

F02 Frame shelf, F06 Foot castors, F05 Guard rails, F07 Bracket set, F08 Arm rest bar, F10 LCD monitor post, F15 Gel arm rests, F27 Keyboard shelf.

TABLES

AMTR Series Performance Laboratory Tables

A range of robust white Trespa Toplab worktop tables suitable for use in laboratories



- Welded box section white powder epoxy coated frames are easy to clean and stainless frames are optional
- Wide range of accessories creates the best environment, increasing performance, productivity and user comfort
- Trespa Toplab meets the highest level of laboratory requirements and our seamless design allows for thorough cleaning
- The robust solid welded box frame and top construction gives excellent stability
- Available in 750 and 900mm working heights.

The seamless design with a welded powdered steel box frame and Trespa Toplab worktop featured in the AMTR series makes these tables ideal for use in most laboratories where a highly stable work surface is required. The Trespa top is ideal for use in Medical and Biological environments. Frames have adjustable leveling feet and are suitable for loads to 200kg. For stainless versions see the AMTS series.

Specifications

Working Height	750mm (900mm on request)
Load Capacity	AMTR: 200 kg AMTR-LB: 200 kg AMTR-LX: 250 kg
Level Adjustment	+/- 15mm
Surfaces	Top: white Trespa Toplab Frame: powder white epoxy
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Shipping Weight	50 kg in 2 boxes

Cat #	Mfr.'s Code	Description	Qty.
AMTR Series			
9900	AMTR-75x75	75 x 75 cm	each
9910	AMTR-90x75	90 x 75 cm	each
9920	AMTR-120x75	120 x 75 cm	each

Options for AMTR Series Tables. See page 5 for more information.

F02 Frame shelf, F06 Foot castors, F05 Guard rails, F07 Bracket set, F08 Arm rest bar, F10 LCD monitor post, F15 Gel arm rests, F27 Keyboard shelf.

AMTR-LB Series Modular Trespa Benching

A modular series of Trespa benching that links together

- Solidly constructed for use with sensitive instruments
- Laminated 60mm worktops with steel skins have high rigidity and feature a highly damping core to minimize effects of vibration
- Sections link together with end sections of benching and can be connected at right angles for seamless lengths of worktop
- Trespa Toplab meets the highest level of laboratory requirements and our seamless design allows for thorough cleaning

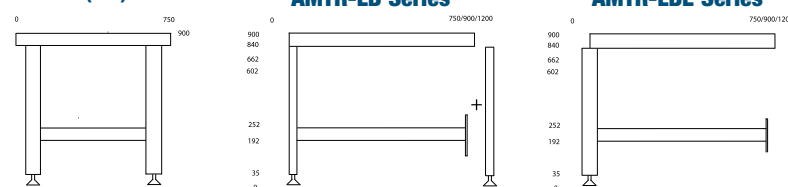
This modular benching uses one 60mm leg between each top section, which supports the ends of each connecting section. The starter and end sections have 30mm legs, which sit flush with the end. At right angle connections the two meeting tops and are connected and supported to a leg. Legs are connected by welded box section struts, which provides a very stable worksurface. This technique ensures tops are tightly linked and supported together. Tops feature a honeycomb core construction which has proven rigidity. Sections are supplied flat packed for self assembly and are very easy to assemble. Maximum length to ensure high rigidity is 1200mm.



AMTR-LB
shown with
AMB-60x60-SS
balance platform

Specifications See AMTR Series at left.

Dimensions (mm)



Order one AMTR-LB starter bench plus any number of AMTR-LBE benches make a straight section of bench. **For benching at right angles, order a single corner connector kit.** With AMTR-LBE Two off 30mm legs are supplied for both bench ends with the AMTR-LB and one 60mm leg to support adjoining tops.

Cat #	Mfr.'s Code	Description	Qty.
AMTR-LB Starter Benches			
9930	AMTR-75x75-LB	75 x 75 cm	each
9940	AMTR-90x75-LB	90 x 75 cm	each
9950	AMTR-120x75-LB	120 x 75 cm	each
AMTR-LBE Benches			
9960	AMTR-75x75-LBE	75 x 75 cm	each
9970	AMTR-90x75-LBE	90 x 75 cm	each
9980	AMTR-120x75-LBE	120 x 75 cm	each
9990	Corner Connector Kit for Benching at Right Angles		each

AMTR-LX Series Ultra Rigid Trespa Benching

These tables can be used individually or linked together to form a line of benching for multiple workstations. Individual tables can be weighted up to 250kg according to requirements. Tables are bolted together to make a very high load single section of benching. They are easy to install as the weights are retrofitted to the benches in sets of 25kg, allowing weight to be adjusted according to specific requirements.

Specifications See AMTR Series at left.

Cat #	Mfr.'s Code	Description	Qty.
AMTR-LX Series			
9922	AMTR-75x75-LX	75 x 75 cm	each
9924	AMTR-90x75-LX	90 x 75 cm	each
9926	AMTR-120x75-LX	120 x 75 cm	each

TABLES

AMT Series Epoxy Laboratory Tables

These laboratory tables feature a rigid frame with leveling feet which ensure the table is in excellent contact with the floor. Options include: monitor arms and castor feet.



Specifications

Working Height	750mm / 900mm optional
Load Capacity	200kg
Table Feet	4 x floor leveling feet with nut lock
Shipping Weight	40kg

Cat #	Mfr.'s Code	Description	Qty.
6900	AMT-75x75	75x75	each
6910	AMT-90x75	90x75	each
6920	AMT-120x75	120x75	each

AMTS Series Cleanroom Tables

- Welded box section white powder epoxy coated frames are easy to clean and stainless frames are optional
- Wide range of accessories creates the best environment, increasing performance, productivity and user comfort
- Satin silicon stainless suitable for highest level cleanrooms with 0.25 Ra with seamless cleanroom stainless frames



The seamless design and pharma grade satin silicon finished stainless steel worktop featured in the AMTS series makes these tables ideal for use in cleanrooms and in Medical and Biological environments. Frames have adjustable leveling feet and are suitable for loads up to 200kg.

Specifications

Working Height	750mm (900mm on request)
Load Capacity	200 kg
Level Adjustment	+/- 15mm
Surfaces	Top: pharma grade stainless steel Frame: powder white epoxy
Working Temperature	-20°C to 160°C
Bacterial Resistance	No growth
Fungal Resistance	No growth
Heat Aging	Stable
Shipping Weight	50 kg in 2 boxes

Cat #	Mfr.'s Code	Description	Qty.
8900	AMTS-75x75	75 x 75 cm	each
8910	AMTS-90x75	90 x 75 cm	each
8920	AMTS-120x75	120 x 75 cm	each

Options for AMT and AMTS Series Tables. See page 5 for more information.

F02 Frame shelf, F06 Foot castors, F05 Guard rails, F07 Bracket set, F08 Arm rest bar, F10 LCD monitor post, F15 Gel arm rests, F27 Keyboard shelf.

AIRBORNE VIBRATION CONTROL

Airborne vibrations can occur from a wide range of sources. Examples include fans, AC units, open windows, doors opening and closing, and traffic. Our ALSB Draft Shields and ALSC Acoustic Hoods are designed to prevent these vibrations from disturbing sensitive instruments such as microscopes and balances, without hindering the user.

ALSB Draft Shields

Draft shields are designed to sit over our standard balance and microscope platforms and prevent air movements from disturbing instruments. They are made from clear acrylic panels which join together and allow excellent visibility to operators. We recommend their use when air currents are present and if powder materials or chemicals, which need to be contained, are being used. The clear acrylic panels are easy to clean.



Cat No.	Mfr.'s Code	Description	Qty.
7900	ALSB-46x46x46	Draft Shield, 46x46x46cm	each
7910	ALSB-46x46x60	Draft Shield, 46x46x60cm	each
7920	ALSB-46x60x46	Draft Shield, 46x60x46cm	each

ALSC Acoustic Hoods

Remove the airborne vibrations that limit the performance of sensitive instruments. A unique construction using interlocking acrylic panels gives complete visibility during work operations. Front panel with portholes for hand access, lifts off to allow easy cleaning of acrylic panels and stainless worktops.



Cat No.	Mfr.'s Code	Description	Qty.
9962	ALSC-75x75	Acoustic Hood, 75x75	each
9963	ALSC-90x75	Acoustic Hood, 90x75	each
9964	ALSC-120x75	Acoustic Hood, 120x75	each

SAFETY

ALSC Safety Cabinets

Provide a safe environment for working with hazardous substances. A variable speed fan draws air through a HEPA filter, safely removing hazardous materials. Smooth acrylic and stainless surfaces can be thoroughly cleaned. The hinged hood tilts back to allow cleaning of the stainless base and the sides of the hood.

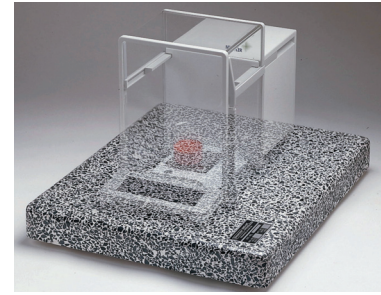


Cat No.	Mfr.'s Code	Description	Qty.
9965	ALSC-1	Class 1 Safety Cabinet	each
9966	ALSC-2	Safety Cabinet AMS-30x45	each
9967	ALSC-3	Safety Cabinet AMB-30x45	each
9968		HEPA Replacement Filter	each

Vibration Damping Mounts – Vibrasorb®

- Isolate sensitive analytical balances and other instruments from disturbing vibrations
- Economical space saving alternate to full size balance tables
- Polished surface resists scratches and chemical attack
- Molded from dense black & white terrazzo
- Platform 64mm (2½") thick
- 4 Vibro-Absorber™ cushions and neoprene feet
- Supports up to 16 kg (35 lbs)
- Overall height 76mm (3")

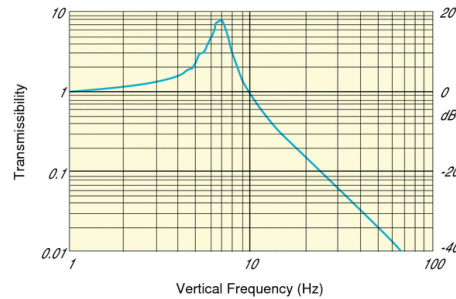
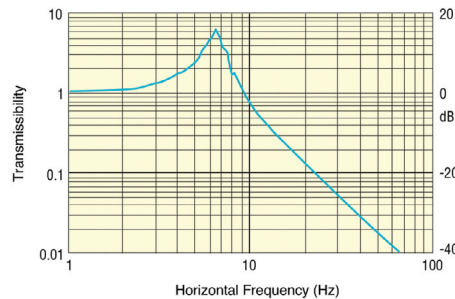
Cat. No.	Description	Qty.
67120-01	Vibrasorb® 45 x 56cm (18 x 22")	each
67120-02	Vibrasorb® 35 x 35cm (13¾ x 13¾)	each



Vibration Isolation Platform – VIP Series 320

VIP Series 320 isolation technology is superior to air technology. First, these vibration isolation platforms are passive, mechanical and maintenance free. There are no air hoses or supporting hardware required. Second, Vistek bearings isolate effectively for the horizontal and vertical vibration components. The superior performance of the Vistek bearings in all six degrees of freedom makes this isolation platform the best choice for eliminating unwanted vibrations.

Virtually any type of scientific instrument may be positioned on the Series 320 Vibration Isolation Platform. Units such as microscopes, hardness testers, measuring devices, digital imaging systems, AFMs, and Analytical balances are all applications for a bench top or tabletop platform. Standard sizes are 12" x 18", 18" x 24", and 24" x 30", for general use. Custom shapes, sizes and colors are available on request. Transmissibility Curve for the VIP Series 320 1/6th Hertz Vibration Isolation Bearing.



Technical information:

Natural Frequency
Horizontal: 0.3 Hz
Vertical: Varies with payload

Payload Range Spectrum

Min	Middle	Max
3%	3%	2%

Material

Bearing: Nickel-plated alloy steel with clear anodized aluminum
Plate: Black anodized aluminum

Dimensions, in. (mm)

Payload Range, lb (kg)

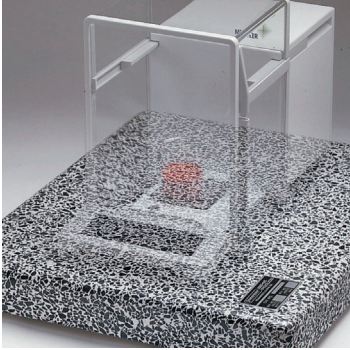
Cat. No.	Dimensions, in. (mm)				Payload Range, lb (kg)		Shipping Weight	Qty.
	X	X1	Y	Y1	Min	Max		
67120-12	12 (305)	19 (483)	18 (457)	21.5 (546)	10 (4.5)	35 (15.9)	24lb (11kg)	each
67121-12	12 (305)	19 (483)	18 (457)	21.5 (546)	15 (6.8)	55 (24.9)	24lb (11kg)	each
67122-12	12 (305)	19 (483)	18 (457)	21.5 (546)	55 (24.9)	90 (40.8)	24lb (11kg)	each
67123-12	12 (305)	19 (483)	18 (457)	21.5 (546)	135 (59.9)	210 (95.3)	24lb (11kg)	each
67120-18	18 (457)	25 (635)	24 (610)	27.5 (698)	20 (9)	40 (18)	24lb (15kg)	each
67121-18	18 (457)	25 (635)	24 (610)	27.5 (698)	30 (13.6)	70 (31.8)	24lb (15kg)	each
67122-18	18 (457)	25 (635)	24 (610)	27.5 (698)	35 (16)	75 (34)	24lb (15kg)	each
67123-18	18 (457)	25 (635)	24 (610)	27.5 (698)	50 (22.7)	105 (47.6)	24lb (15kg)	each
67124-18	18 (457)	25 (635)	24 (610)	27.5 (698)	70 (31.8)	140 (63.5)	24lb (15kg)	each
67125-18	18 (457)	25 (635)	24 (610)	27.5 (698)	95 (43.1)	180 (81.6)	24lb (15kg)	each
67127-18	18 (457)	25 (635)	24 (610)	27.5 (698)	150 (68)	350 (158.8)	24lb (15kg)	each
67120-24	24 (610)	31 (787)	30 (762)	33.5 (851)	20 (9.1)	75 (34)	60lb (27kg)	each
67122-24	24 (610)	31 (787)	30 (762)	33.5 (851)	40 (18.1)	110 (49.9)	60lb (27kg)	each
67123-24	24 (610)	31 (787)	30 (762)	33.5 (851)	65 (29.5)	120 (54.4)	60lb (27kg)	each
67125-24	24 (610)	31 (787)	30 (762)	33.5 (851)	140 (63.5)	320 (145.1)	60lb (27kg)	each
67127-24	24 (610)	31 (787)	30 (762)	33.5 (851)	275 (124.7)	400 (181.4)	60lb (27kg)	each

The Richter Anti-Vibration Pad

- Cost Effective – Inexpensively dampens vibrations from lab equipment
- Non-Slip – Creates a stable surface that will keep equipment in place
- Versatile – Fits a variety of bench-top vortexes, shakers, rockers and microscopes
- Portable – Small, lightweight design makes transportation easy
- Configurable – Pads can be stacked for heavier units or laid side-by-side for larger equipment

Cat. No.	Description	Qty.
67118-10	Richter Anti-Vibration Pad, 7" x 8.5"	2/pk
67118-20	Richter Anti-Vibration Pad, 8.5" x 11"	2/pk
67118-30	Richter Anti-Vibration Pad Combo Pack	2/pk

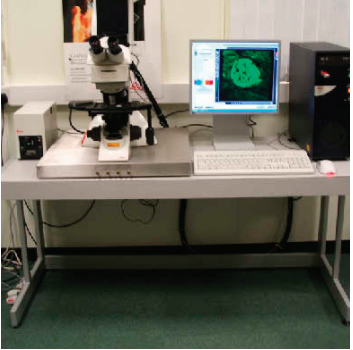




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