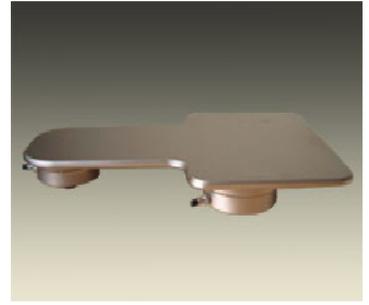


# AMC series contoured microscope platforms

High Performance anti vibration platform for Microscopes



AMC-5



AMC-1



AMC-3



Type	Performance	Surface	Isolation	Application
AMC-1	Scientific	Electroless Nickel	2Hz air	Performance microscopes
AMC-3	Scientific	White epoxy powder	2Hz air	Performance microscopes
AMC-7	Scientific	White Trespa	7Hz elastomer	Laboratory microscopes
AMC-8	Scientific	White Trespa	7Hz elastomer	Heavy microscopes

- Contoured shape ideal for use with microscopes
- AMC-1 and 3 rolling diaphragm air isolator removes up to 99 percent of vibrations
- AMC-1 electroless nickel version is ideal for use in cleanrooms
- AMC-5 and AMC-8 customised sorbothane isolators give excellent isolation
- Ideal for laminar flow cabinets, biohazard areas , cleanrooms

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 aluminium 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 pressurised 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.

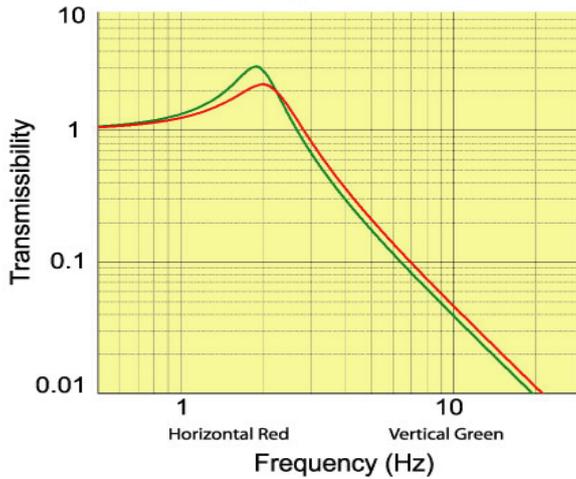
The AMC-5 and AMC-8 have three elastomeric isolators which give good isolation above 20Hz and feature Trespa toplab which is resistant to almost all forms of chemical attack. The AMC-5 is suitable for microscopes to 25kg and the AMC-8 to 75kg.

# Product Details

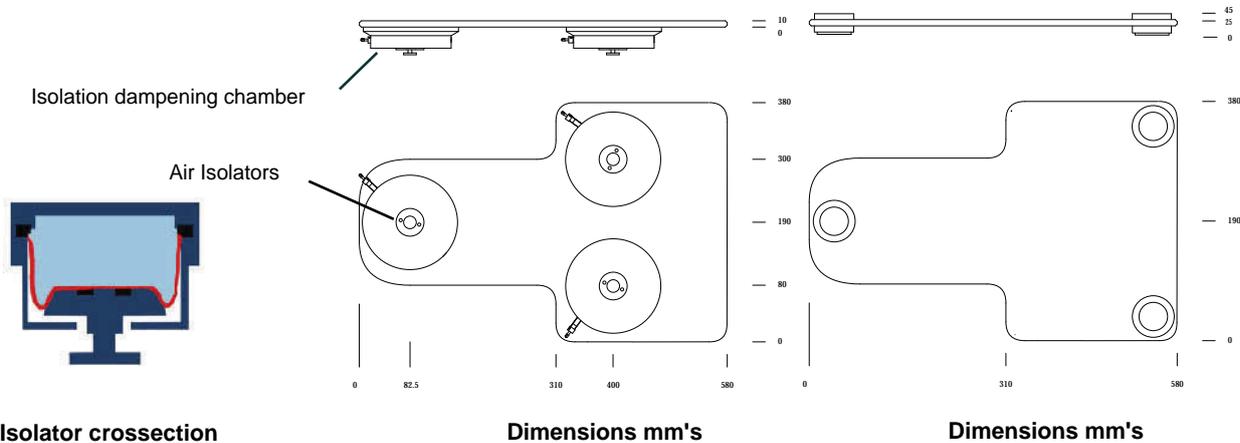
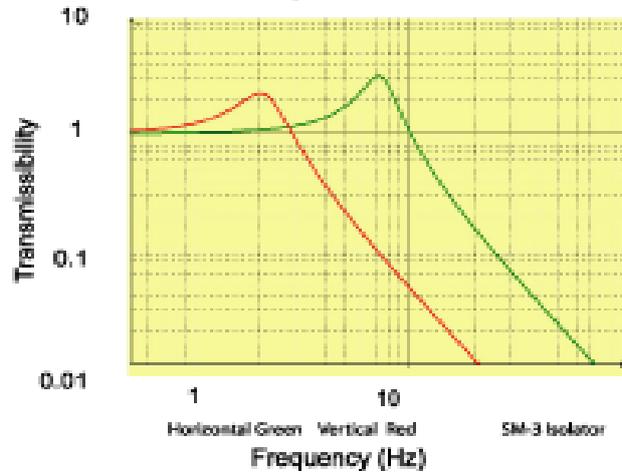
AMC1 & 3

AMC5 & 8

Isolator performance



Isolator performance



## Specifications

	AMC-1	AMC-3	AMC-5	AMC-8
Dimensions (LxWxH) mm	580x380x60	580x380x60	580x380x60	580x380x60
Load capacity kgs	100	100	25	75
Level adjustment mm	5	5	n/a	n/a
Isolators	3off air rolling diaphragm damped. Pumped up		3off elastomeric	
Isolation performance				
50Hz	97 percent		95 percent	
100Hz	99 percent		98 percent	
Natural frequency vertical	2Hz		7Hz	
Natural frequency horizontal	2Hz		2Hz	
Surface finish	Electroless Nickel		White Trespa	
Construction	Aluminium			
Bacterial resistance	No growth			
Fungal resistance	No growth			
Heat aging	Stable			
Working temperature	-20C to 160C			
Weight kgs	5		5	