

# Microscope Platform - AMC-1

High Performance anti vibration platform for Microscopes



Type	Performance	Surface	Isolation	Application
AMC-1	Scientific	Electroless Nickel	2Hz air	Performance microscopes

- Contoured shape ideal for use with microscopes
- Rolling diaphragm isolator removes up to 99 percent of vibrations
- Electroless nickel surfaces meet Class 1
- Easy to use and clean
- 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.

Platforms are made from electroless nickel plated 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.

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.



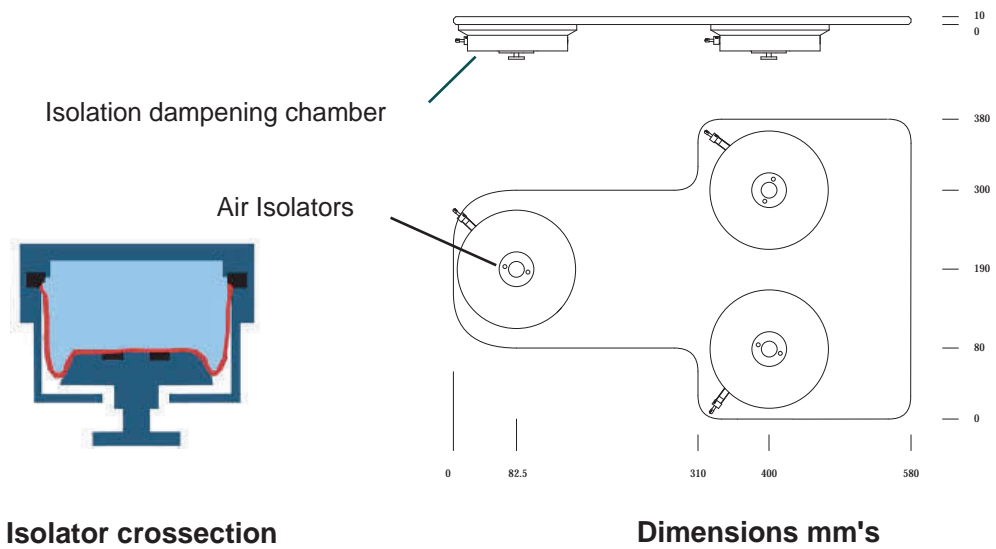
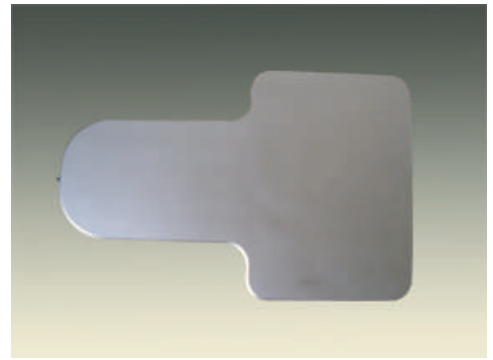
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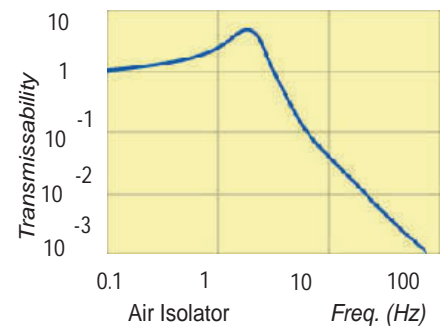
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# Product Details



## Specifications

Dimensions (LxWxH)	580x380x55 mm's
Load capacity	100kgs
Level adjustment	5 mm's
Isolators	3off air rolling diaphragm damped. Pumped up
Isolation performace	
50Hz	97 percent
100Hz	99 percent
Natural frequency	2Hz
Surface finish	Electroless Nickel
Construction	Aluminium
Bacterial resistance	No growth
Fungal resistance	No growth
Heat aging	Stable
Working temperature	-20C to 160C
Weight	5Kgs



**Isolator performance**