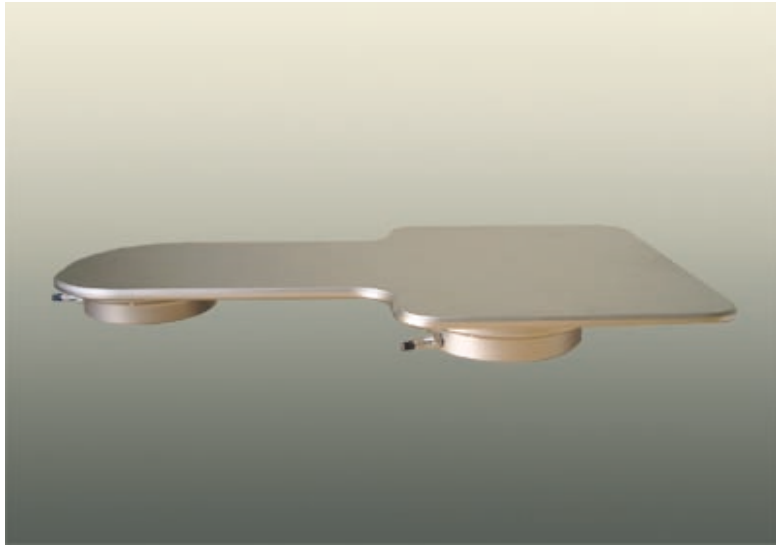


AMC Contoured vibration isolation platforms

High performance antivibration platforms for Microscopes



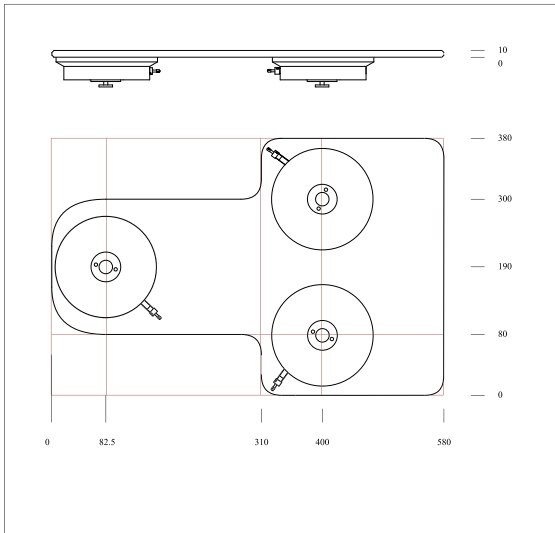
- Contoured shape ideal for microscopes
- Removes unwanted vibrations
- Highly rigid low profile construction
- Electroless nickel surfaces meets Class 1
- Easy to use and clean

These platforms remove unwanted vibrations which limit the performance of sensitive instruments such as microscopes. Their T shaped profile allows users to place arms on either side of a platform, while the rear section is wide enough to accommodate most microscopes.

Platforms are made from electroless nickel plated aluminium parts and are non-magnetic. They meet the most stringent cleanliness requirements, such as Class 1 cleanroom and are resistant to almost all forms of biological and chemical attack. The simple external shape makes them very easy to clean.

Platform top plates rest on three pneumatic damped rolling diaphragm isolators. The typical building vibrations which cause most problems are the cyclical ones that occur between 7 and 30Hz. These isolators have a natural frequency of around 2Hz and so start to effectively isolate frequencies 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 of the bench it is placed on and so isolate a microscope placed on top from the vibrations present on the worksurface via a cushion of air enclosed by a rolling diaphragm.



Specifications AMC-1

Platform dimensions	
Length x width (cms)	38 x 58
Top plate thickness	1.0
Total height	5.5
Levelling adjustment	0.5
Max load capacity for centred load	150kg
Surface finish	Electroless nickel
Isolators	3 off pneumatic , damped, rolling diaphragm
Working temperature	-20 to 160 deg C
Bacterial resistance	No growth
Fungal resistance	No growth
Heat aging	Stable
Weight (kgs)	4.5