Phenom Vibration Isolation Platform

For Phenom XL Desktop SEM



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The Vibration Isolation Platform

Vibration Isolation Platform

The Phenom XL Scanning Electron Microscope (SEM) enables analysis of large samples up to 100 x 100 mm and has the fastest vent/load cycle in the world. The combination of these two unique features make the Phenom XL particularly suitable for applications in which multiple samples are automatically imaged, such as quality control in industry.

In normal circumstances, the Phenom XL allows high-quality imaging in which vibrations do not show. However, the often heavy vibrations found in a, for instance, manufacturing environment can affect the image quality of SEM systems in general. Moreover, eliminating the sources of heavy vibrations is usually not possible in these cases.

In order to allow SEM analysis in even these challenging circumstances with severe mechanical vibrations, Phenom-World developed the Vibration Isolation Platform. This platform is specifically designed for the Phenom XL by one of our world-leading mechatronics partners. Its damping characteristics are optimized for the weight distribution and eigenfrequencies of the XL, ensuring optimal image quality in less-ideal conditions.

Many other sources of heavy low-frequent mechanical vibrations could be solved by the Vibration Isolation Platform for the Phenom XL, including (industrial) traffic, trains and building sites. If external vibrations are affecting your SEM images, please contact your local distributor for more information.

Specifications
Dimensions
486 mm (W) x 573 mm (L) x 72 mm (H)
System
Phenom XL SEM
Frequency range
>10 Hz
Note!
It is not guaranteed that the Vibration Isolation Platform solves all the vibrations that are visible in the SEM images

Find out more at **thermofisher.com/phenomworld**

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