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Electrodynamic Shaker Peripheral Equipment

Shakermate Miniature Sliptable

The SHAKERMATE test table is a product which offers increased performance for horizontal vibration testing with smaller permanent magnet or electrodynamic shakers.

The SHAKERMATE is the first low cost, high performance, commercially available miniature horizontal test table. It is designed to provide the same excellence of performance of larger tables. The SHAKERMATE enhances the use of low force vibration exciters for use in translational vibration tests which have previously tied up larger vibration systems. Now, single and multiple groupings of small components may be tested to higher frequencies than ever before possible on larger slip tables. Higher frequency testing is possible with the SHAKERMATE due to the higher axial resonance of the slip plate. Unlike larger test tables whose axial resonance is rarely above 940 to 2250 Hz, the SHAKERMATE's resonance is above 3800 Hz without loads and well above 3000 Hz with loads up to 3 lbs.



A precision ground granite block is rigidly attached to a 1 inch thick metal base which is common to the exciter. The common base insures no relative motion between the exciter and the granite block. The slip plate, which rides on the granite block, is lubricated with grease which is applied by a miniature grease gun. The grease maintains a low coefficient of friction for the slip plate and with one application a full days testing is possible in most cases. The slip plate is constructed of AZ31B magnesium and is a sturdy $\frac{1}{8}$ inch thick with work areas available form 4 inch X 4 inch to 12 inch X 12 inch.

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