L.A.B. VibraTest™ Series of mechanical shakers with a frequency range of 8-60 Hz, provide an effective approach for testing electronic products, batteries, and parts for loose components and hardware failures. Advance Machine Control (AMC+) comes standard with our VibraTest™ Series, which expands the capabilities of the machine even further.

CONFIDENCE IN L.A.B.

Our VibraTest™ Series of mechanical vibration systems meet IEC, SAE, ASTM, MIL, ISO and other internationally and industry standards. We offer a wide variety of standard table sizes and capacities along with a standard frequency range from 8 to 60 Hz.

VIBRATEST™ SERIES FEATURES

- Reaction type machine performs vertical sinusoidal test.
- Test Frequency is infinitely adjustable between 8 and 60 Hz under operation.
- Various combinations of frequency and displacement can be configured to result in up to 3.2G or 10G acceleration.
- Self contained, built in isolation system eliminates the need for special foundations.
- Advanced design pneumatic system provides low frequency isolation and payload stability that is far superior to steel spring isolators.
- System displacement is manually adjustable.
- Once set, displacement is maintained at a constant level regardless of the test frequency.
- Standard utility requirements: 70-psi air for suspension adjustments (low volume).

VIBRATEST™ SERIES OPERATION

Operation is performed through L.A.B’s exclusive Advanced Machine Control Plus (AMC+), a Windows based control and display software package. Select either continuous vibration or a frequency sweep mode. In continuous vibration mode, select the frequency level, maximum acceleration limit, and run duration. In frequency sweep mode, select the lower and upper frequency limits, cycle period, maximum acceleration limit and run duration. In either mode, the user calculates the displacement with a known frequency and acceleration and then manually adjusts counter-weights on the vibration table to deliver the calculated displacement.
VIBRATEST™ SERIES

- 1G Maximum Acceleration
- Insulated table top
- V-Groove Casters for Chamber Interface
- Height risers
- Track for Chamber Interface
- Diaphragm Support Brackets
- Stainless Steel Drip Pan
- Non Standard Voltage
- CE Compliance

STANDARD FEATURES

- Windows 8 computer with Accelerometer and Power/Signal Conditioner
- Auto-Liner Cycling Function
- Over G Interlock Limits
- Acceleration Display (G)
- Frequency Monitoring and Control
- Remote Interlock Start/Stop Function (For External Chamber)
- Run Duration Timer w/ Auto Stop Function

MECHANICAL VIBRATION MACHINE

<table>
<thead>
<tr>
<th>Metric</th>
<th>English</th>
<th>Metric</th>
<th>English</th>
<th>Metric</th>
<th>English</th>
<th>Metric</th>
<th>English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Type</td>
<td>VibraTest 24</td>
<td>VibraTest 36</td>
<td>VibraTest 48</td>
<td>VibraTest 48x66</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>45 kg</td>
<td>100 lbs</td>
<td>136 kg</td>
<td>300 lbs</td>
<td>227 kg</td>
<td>500 lbs</td>
<td>227 kg</td>
</tr>
<tr>
<td>Displacement</td>
<td>1.3 mm</td>
<td>0.05 in</td>
<td>2.2 mm</td>
<td>0.09 in</td>
<td>1.8 mm</td>
<td>0.07 in</td>
<td>1.8 mm</td>
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<tr>
<td>Maximum Acceleration</td>
<td>3.2 G or 10 G*</td>
<td>3.2 G or 10 G*</td>
<td>3.2 G or 10 G*</td>
<td>3.2 G or 10 G*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Table Size</td>
<td>610x610 mm</td>
<td>24”x24”</td>
<td>914x914 mm</td>
<td>36”x36”</td>
<td>1219x1219 mm</td>
<td>48”x48”</td>
<td>1219x1676 mm</td>
</tr>
<tr>
<td>Standard Mounting Hole</td>
<td>M10x1.5-100mm</td>
<td>M10x1.5-150mm</td>
<td>M10x1.5-150mm</td>
<td>M10x1.5-150mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Voltage</td>
<td>200-230 VAC, 50/60 Hz, 1 Phase</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approximate Weight</td>
<td>159 kg</td>
<td>350 lbs</td>
<td>340 kg</td>
<td>750 lbs</td>
<td>454 kg</td>
<td>1000 lbs</td>
<td>651 kg</td>
</tr>
</tbody>
</table>

* Each system is available in the 3.2G or the 10G model. Please specify your desired maximum level when inquiring.

Due to our continuous commitment to product development, the above specifications and features may be modified without notice.

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