

Electro Dynamic Vibration Test Systems

Electrodynamics shakers use normal current principles to generate a vibration environment that emulates real-world vibrations, to investigate dynamic endurance and ascertain the functional reliability of a variety of electrical and electronic gadgets and instruments.

We specialize in design & manufacturing of complete range of **air & water cooled Electrodynamic Vibration Test Systems** in our manufacturing & R&D facility in Roorkee, India. In addition, we have an established network providing unrivaled after-sale service & application support to the clients offering value-for-money brand in long run.

Our vibration system force ratings perform as per the directions of ISO5344 document.

Low Thrust Vibration Systems



Engineering institutions and test laboratories use low thrust shakers for experimenting by injecting frequencies in a wide band.

The shaker's electromagnet is energized by the solid-state field power supply interlocked electronically to the amplifier console and is placed within the console to save space.

The Amplifier's front panel interfaces guides the user to operate sequentially. By integrating a controller, the system can be used for research analysis and sample test projects.

- SEV 125 (100 to 150 Kgf)
- SEV 140 (200 to 300 Kgf)
- SEV 180 (400 to 600 Kgf)
- SEV 240 (1000 to 1500 Kgf)

Medium Thrust Vibration Systems



Designed to cater to the generalized testing requirements of various segments of the industry, these shakers are manufactured with a high degree of precision.

The shaker's electromagnet is energized by the solid-state field power supply interlocked electronically to the amplifier console and is placed within the console to save space.

The shaker's low frequency isolation assembly eliminates the need for bolting it to the ground. The body is mounted on a trunnion assembly and the pneumatic isolation system supports the body on air springs.

A unique, pneumatically operated load compensation system employs latest microelectronics and optical sensors built into the shaker which helps in realizing full displacement of armature.

Exemplary safety interlocks are designed to be logged on to the micro-controller based intelligent logic unit, which is user-friendly in communicating the system status and operation.

- SEV 300 (2000 to 2500 Kgf)
- SEV 360 (3000 to 3500 Kgf)
- SEV 440 (4000 to 5000 Kgf)
- SEV 480 (6000 to 7000 Kgf)

High Thrust Vibration Systems

Water Cooled Shakers

Water-cooled shakers are specially designed for large-sized test specimens, which are heavy as well as uneven in shape.



The hydrostatic bearing guidance of resin-bonded fiber reinforced armature coil takes care of cross axis even at high acceleration tests.

The combination of the rolling rocker system and composite suspension makes the shaker armature ideal for all types of test. The system employed for water cooling of field and armature is close-loop type.

A unique, pneumatically operated load compensation system employs latest microelectronics & optical sensors built into the shaker which helps in realizing full displacement of Armature.

Exemplary safety interlocks are designed to be logged on to the micro-controller based intelligent logic unit, which is user-friendly in communicating the system status and operation.

- SEW 500 (8000 to 10000 Kgf)
- SEW 590 (16000 Kgf)
- SEW 760 (29000 Kgf)