

Introduction-Vibration Shaker & Shock Test Systems

Newsletter on Shaker and Shock Test System



- **Vibration Test System**
- **Shock/Bump Test System**
- **Constant Acceleration/Drop Test System**
- **Swing/Transportation simulation Test System**
- **Products and Application Of Measuring Instruments**
- **Environmental Test System**

Introduction-Vibration Shaker & Shock Test Systems

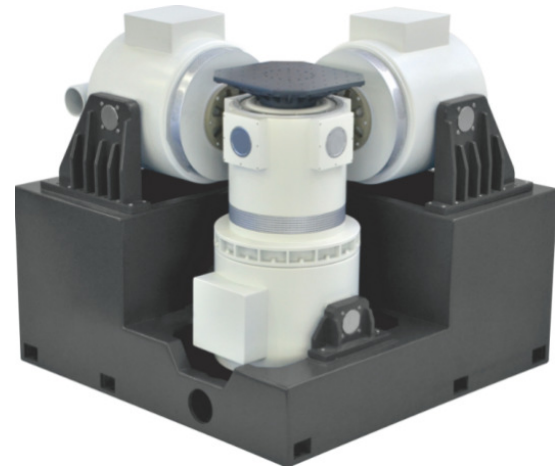
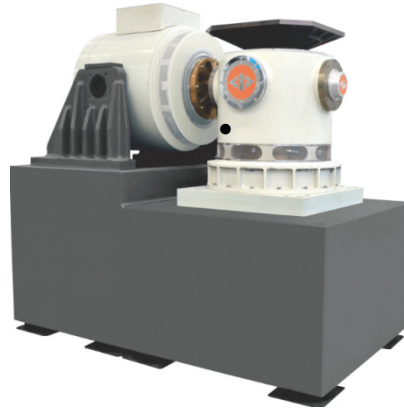
Features

Bi-axis Vibration Test System (Electric)

- 1) two set of vibration equipment sharing one equipment.
- 2) Interlock protective device.
- 3) It has various scope as military , aerospace , industry etc.

Tri-axis electro-dynamic vibration test system

- 1) x , y and z composite vibration can be done
- 2) Realistic simulation environment and less test time.
- 3) It has scope in military and aerospace.



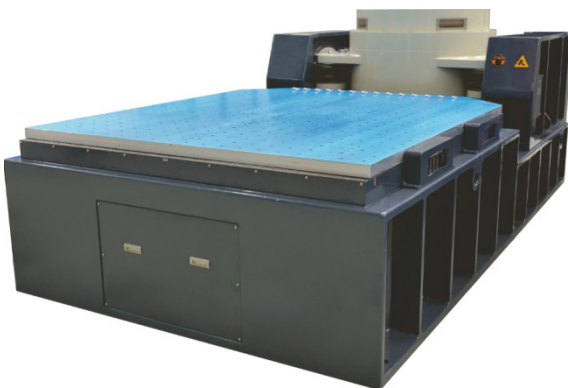
Bi-axis Vibration Test System (Electric)

Equipped with state of the art design, patented **Orthogonal Coupling Bearing Unit (OCBU)** is able to perform the vibration test simultaneously in orthogonal X and Z directions. Two sets of vibration equipments sharing with one table, which are connected by hydraulic pressure orthogonal decoupling bearings and can be carried out simultaneously, can provide the reliable motion trail and working environment for more realistic simulation environment and less test time.

Tri-axis electro-dynamic vibration test system

Equipped with state of the art design, patented **Orthogonal Coupling Bearing Unit (OCBU)** is able to perform the vibration test simultaneously in orthogonal X,Y and Z directions, which saves 2/3rd of the time than general single axis shaker. It replicates actual environment strong overturning restriction and has three axis interlock protection device. The exciting force range is from 10 kN to 200 kN with frequency upto 2000Hz.

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Multi Shaker Synchronous Vibration Test System (Electric)

Multi Shaker Synchronous Vibration Test System are equipped with large force, large load and large table to simulate the real operating condition position and speed.

Slip Table System

Electro-Dynamic Vibration Shaker can be equipped with the slip table to achieve three-dimensional vibration test. The overall load capacity has been improved due to the smaller carrier (table) weight of the slip table, which is able to support payload of larger size and higher weight. The slip table can be divided into the integrated type and split type based on connection, and into the GT, BT and TBT series based on guiding respectively. GT series is available with V-shaped guiding, BT series with hydrostatic guide and with TBT series with medium-pressure rail guiding. The vibration system equipped with the slip table can carry out the X, Y and Z-direction vibration tests for parts/assemblies or entire machines under different temperature and humidity conditions with an integrated environmental testing system



Features

Multi Shaker Synchronous Vibration Test System (Electric)

- 1) Adopt multi-exiters, multi point to excite the table or specimen.
- 2) Some major components requires the large force, large load and large table to simulate real condition.
- 3) It has various application Aerospace, Aviation, Missile,Ships etc.

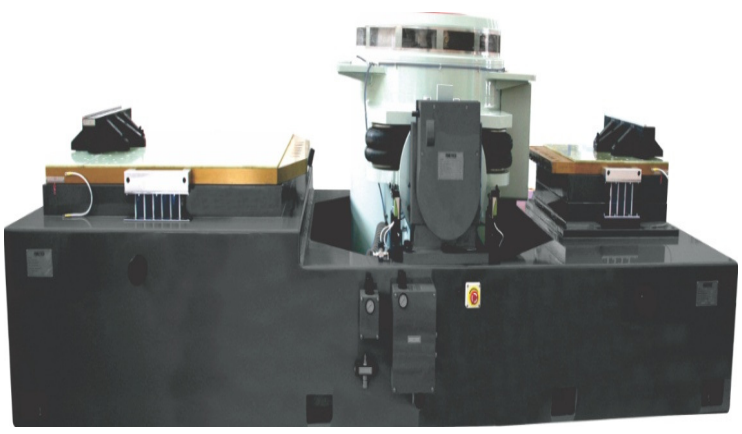
Slip Table System

- 1) Large size and low acceleration.
- 2) small size and high acceleration.
- 3) Test under x , y and direction.
- 4) One set of equipment is used to meet two requirement, thus reducing the cost and save resources.

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Dual Slip Table Vibration Shaker

Electro-Dynamic Vibration Shaker can be equipped with the slip table to achieve three-dimensional vibration test. The overall load capacity has been improved due to the smaller carrier (table) weight of the slip table, which is able to support payload of larger size and higher weight. The slip table can be divided into the integrated type and split type based on connection, and into the GT, BT and TBT series based on guiding respectively. GT series is available with V-shaped guiding, BT series with hydrostatic guide and with TBT series with medium-pressure rail guiding. The vibration system equipped with the slip table can carry out the X, Y and Z-direction vibration tests for parts/assemblies or entire machines under different temperature and humidity conditions with an integrated environmental testing system.



Integrated environmental testing



Two Shakers with one Amplifier