

THE CUBE 6 DEGREE OF CONTROL VIBRATION TESTING



TTEAM Corporation is taking 6 degree of freedom testing a giant step forward. An advanced technology hydraulic test system that offers 6 Degrees of Control™, the CUBE™ can accurately replicate virtually any vibration environment, including very high frequencies, with precise digital control.

The CUBE™ simulates real world, 6 degree of freedom vibration with complete, simultaneous control of the amplitude and phase of all 6 degrees of freedom.

Features

- Available in force rating of 3,000 to 14,000 lbf. in each axis
- Six patented Integrated Shakers™ provide precise, simultaneous control of all 6 degrees of freedom to beyond 250 hertz
- Excellent replication of measured data to higher frequencies than ever before
- Fluid film bearings assure long life and low maintenance
- Small footprint allows more systems to be put into the lab
- Expander heads increase the mounting surface

Applications

- Replication of measured data
- Squeak and rattle testing of seats, instrument panels and other interior components
- Durability and suspension testing
- Simulation of an engine block for engine mounted components and exhaust systems
- Tire or spindle coupled four post road simulation with simultaneous vertical, lateral and longitudinal loading as well as application of braking and steering torques
- Multi-axis screening of electronic components and modules

Two CUBE™ Models

- **Model 1:**
Low force, low velocity, man rated system for ride simulation, component squeak and rattle testing or entertainment systems.
- **Model 3:**
High power system for heavy components or high acceleration testing. Use for full level engine block simulation, qualification testing and accelerated stress screening.

Team

Improved product quality through
advanced vibration test solutions.