

We Don't Just Run The Test, We Offer Solutions!

Vibration, Shock, & Acceleration Testing Services

Impact or High G Shock Testing

Multiple Shock and Impact Capabilities with Drop Tower and AVCO Pneumatic Shock Machine.

Impact Capabilities:

- Maximum Impact Velocity of 250 in/sec
- Impact Head Weights of 1 lb to 50 lb
- Maximum Impact Energy of 3,600 in-lb
- Many differently shaped impact heads available

High G Shock Capabilities:

- Accelerations of 5,000 G and higher with shock amplifier
- Shock Pulse Duration Range of .2 Msec to 60 Msec
- Sine, Square, and Saw-Tooth Shock Waveforms

Combined Temperature and Vibration Testing

Constant or Cyclic Temperature Profiles can be combined with Vibration and Shock Testing simultaneously.

Equipment Capabilities:

- Temperature range from -80°C to +180°C (-112°F to +356°F)
- Temperature rate of change up to 20°C/minute
- Up to 9 cubic feet interior work space
- Vibration and Shock Capabilities using ED Shaker Systems

Centrifuge (Constant Acceleration) Testing

Large Centrifuge for Constant Acceleration Testing with 8 Foot Diameter Arm

Equipment Capabilities:

- Maximum 100G Force
- Slip Rings available for operating and monitoring test item

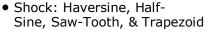
Vibration and Mechanical Shock Testing

Typical Tests Include:

Reliability Testing, Accelerated Life Testing, Shock Loads, Transportation Load Simulation, Production Stress Screening, Squeak & Rattle Testing, Package Testing, Product Development, Fatigue due to Vibration, Fragility

Multiple Electrodynamic Shaker Systems Capable of:

- Slip tables for 3 Axis testing
- Up to 3,000 Hz Frequency Range
- Over 100g's peak acceleration
- Vibration: Sine, Random, Sine on Random, Random on Random



- Replication of Measured Field Data
- Gunfire Vibration
- Shock Response Spectrum

Pyroshock

Pyroshock (Pyrotechnic Shock) or Ballistic Shock are tests that simulate shock forces from the firing of projectiles, missiles or rockets.

Equipment Capabilities:

- Mid-field pyroshock with Mechanical Impulse Pyroshock Simulator (MIPS)
- Far-field pyroshock with ED Shaker or MIPS Simulator
- Frequency control up to 10,000 Hz
- Shock Response Spectrum (SRS) analysis

Delserro Engineering Solutions provides engineering and testing support to a variety of industries including Military, Aerospace, Telecommunication, Transportation, Medical, Industrial, and Consumer on products ranging from artificial heart systems to complex military systems. We will customize our services to fit your needs and work closely with your personnel over the entire course of the project. Our goal is to exceed your expectations every step of the way. Every day we provide customers with value-added solutions that translate into competitive advantages and increased profits. Experience the difference DES can bring to your business today!

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