



Orbital Test Services, LLC

High Speed Spinning Rig

A cost-effective solution to evaluate hardware Survivability

Company Profile

Orbital Test Services, OTS (Cleveland, OH) was established to meet the demands for ruggedized components, devices and electronics used in extreme shock, temperature, high-g and high acceleration load environments.

OTS is committed to being the leading provider of high speed spin testing for the most demanding specifications. We will use our custom, one-of-a-kind spin rig and technical expertise to provide customers with the most cost-effective solution to evaluate component survivability and meet any development schedule and compliance needs.

System Features

- Test articles up to 4.5 pounds (2kg) supported on specimen mounting shaft.
- Specimen mounting shaft with a balanced and working cylindrical volume of 225 in³.
- Steady-state angular motion with a maximum spin rate of 250Hz (15,000 rpm).
- Variable control of angular velocity in 25Hz increments.
- Acceleration loading held steady for test durations of up to 15 minutes.

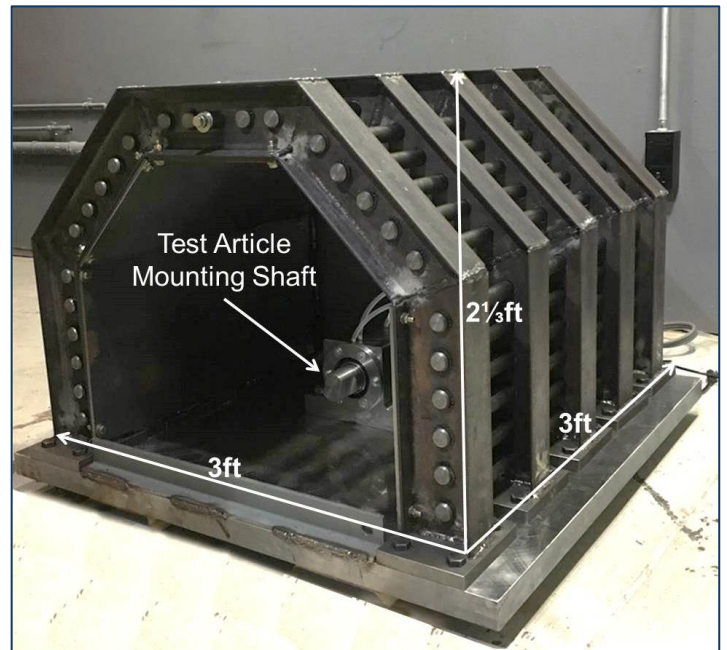
CONTACT OUR EXPERTS TODAY FOR A QUOTE

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Spin Test System

OTS utilizes a custom built high speed rotor rig that can spin test articles of multiple sizes, geometries and weights to a target steady-state angular velocity of 250Hz (15,000 rpm or 108,000 °/sec). Our specialized equipment allows sustained high speed spin testing of electronic components and hardware systems under simulated high centrifugal environments for military and commercial validation, catapulting technologies from prototype to end-use product more efficiently and cost-effectively.



Survivability Testing

- Full Systems
- Components
- Subsystems
- Electronics

Industry and Military Standards

MIL-STD 202
Method 212

MIL-STD 750
Method 2006

MIL-STD 810
Method 513