



Environmental Testing

Experience

Our environmental test laboratory set up in 2007 specialises in complex vibration and shock tests with the aid of powerful test equipment and versatile test benches for aerospace components and systems according to commonly used standards such as MIL-STD-810 and RTCA DO-160.

Know-How

CTA's facilities offer all kinds of vibration and shock tests (sine, random, shock, mixed mode and SRS testing) using either a single electrodynamic shaker or a dual shaker system in push-push configuration.

All these tests can also be performed under thermal conditions in a standard climatic chamber.

Other boundary conditions can also be applied by adapting the test rig or test equipment.

Capacities

160kN electrodynamic vibration system under clean conditions.

60kN electrodynamic dual vibration system.

Thermal tests from -100°C to +200°C

Vacuum chambers

Accelerometers, thermocouples, strain gauges, etc

3D non-contact displacement measurement, High Speed Video camera, Ultrasonic Inspection Equipment.