

THERMAL SHOCK, HUMIDITY AND THERMAL FLUID SUSCEPTIBILITY TESTING CYCLING TESTING

We offer customizable fluid susceptibility testing as part of our environmental testing services to give our clients peace of mind that their products can withstand any fluids — such as fuels or lubricants — that could contaminate systems if not properly designed and manufactured.

MECHANICAL SHOCK TESTING AT ELEMENT CHAMBLY

Mechanical shock testing aims to measure the response of a component or product to extreme and sudden acceleration or deceleration within a controlled test environment. At NTS, we use wide-band, multi-channel data acquisition technology to document the item's response. Our engineers subsequently analyze this data to evaluate performance.

Our mechanical shock testing services include:

- Drop Testing: Items are dropped from heights of up to 2m in order to test their ability to withstand mishaps that could occur during handling or transportation.
- Drop Towers: Using our drop towers, we can produce mechanical shock with peak accelerations of more than 2,000g.
- Vibration up to 40gRMS
- Sinusoidal vibration up to 70g

