

# Shock testing

At Nemko, the following shock testing capabilities are available:

- Accelerations of 1,200 G and higher with a shock amplifier
- Testing of specimens up to 600 kg
- Up to 9,000 lbf shock loads using ED Shaker
- Shock pulse duration range of 1 to 65 milliseconds
- Shock waveforms including half-sine, squarewave and trapezoidal
- Ability to apply many repetitive shock impulses
- Numerous high-speed data acquisition channels
- Shock Response Spectrum (SRS) Analysis

Mechanical shock testing helps determine whether a device can remain functional when subjected to sudden, abrupt motion changes associated with service environments like product handling, shipping/transportation, aerospace, weapon firing, etc.

We have extensive experience with shock testing using drop tower and electro-magnetic shock machines. Our team has the technical capability to reproduce complicated shock profiles.

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**Source URL:** <https://nemko.com/product-testing/reliability-testing/stress-testing/shock-testing>