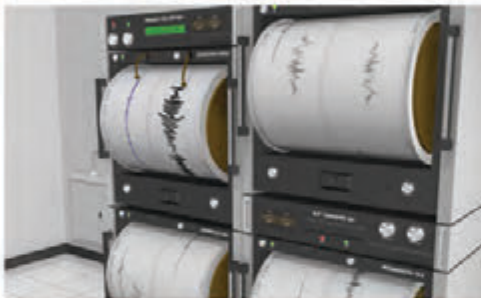


Triaxial Seismic Qualification Testing



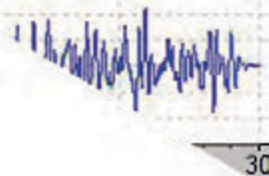
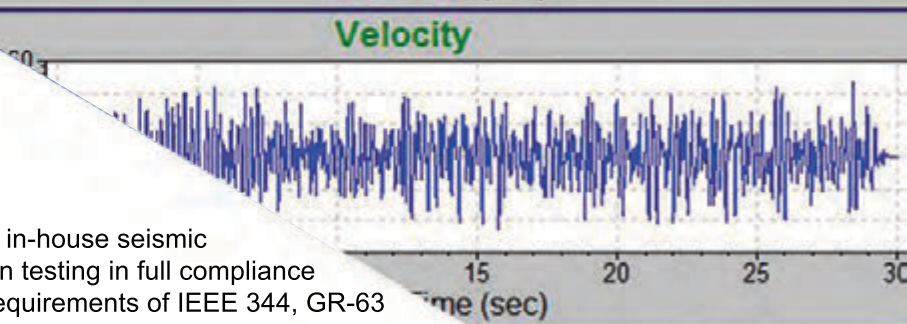
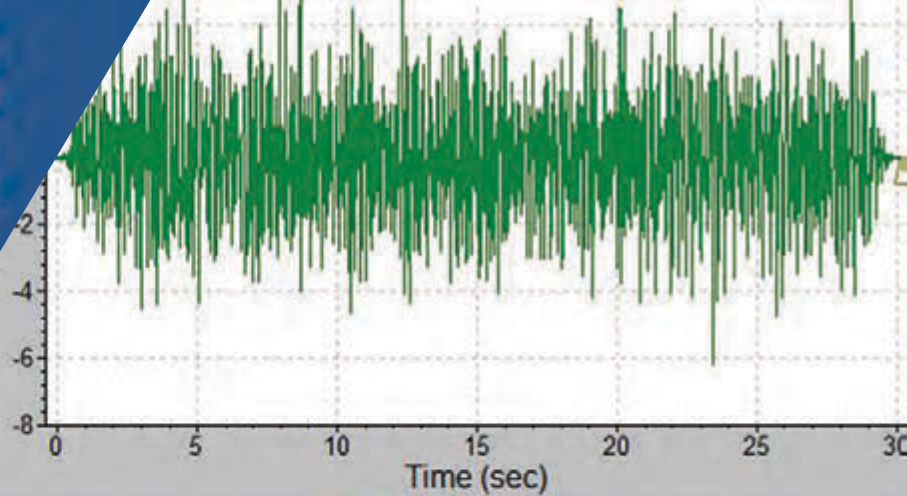
ATS offers in-house seismic qualification testing in full compliance with the Requirements of IEEE 344, GR-63 and AC-156. ATS is once more in the forefront of providing the most effective and reliable data in the mechanical testing industry today.

Specifications:

- IEEE 344 (accredited A2LA/ISO 17025)
- GR-63 - CORE (accredited A2LA/ISO 17025)
- ICC-ES AC156 (accredited A2LA/ISO 17025)
- 3 Independent Simultaneous Axes of Motion (X, Y, Z translation)
- Table Size of 36"x36" with Grid of 1/2" — 13 Tapped Holes on 4"x4" Pattern
- Actuators Rated at 10,000 lbf
- Peak Displacement of 12 Inches P-P (+/-6")
- Rated Velocity of 55 IPS
- Frequency Range of Operation 0-100 Hz with Ability to Operate Up to 150 Hz for Purposes of Resonance Searches
- State of the Art PC-Based Digital Controller (Vibration Research) and 12 Channels of Piezoelectric Accelerometers
- Independent High-Speed DAQ Systems for Chatter Monitoring (64 Channels)

Qualifications and Standards:

- ANSI/ASME NQA-1 Nuclear Quality Assurance Requirements
- 10CFR50 Appendix B Nuclear Quality Assurance Requirements
- 10CFR21 Requirements for the Reporting of Non Conformances
- ISO/IEC 17025 Competence of Testing and Calibration Laboratories
- ISO 9001 Quality Management System





Vibration Testing

Vibration Testing Services

For over 45 years Applied Technical Services has been a leading environmental simulation testing company with comprehensive vibration testing capabilities for a collection of industries and components, using a variety of industry requirements.

Our vibration qualification is used as a requirement for military, aerospace, automotive, electrical/electronic and nuclear industries for failure prevention and continued operation. Our involvement results in acquiring accurate data from our comprehensive vibration testing.

ATS' vibration qualification testing is administered to meet vibration qualification and safety compliance requirements. Our vibration capabilities test for structural integrity, resonance search and dwell, shock, drop and tumble, and seismic testing.

We provide vibration qualification testing services to perform sine, random, sine on random, classic shock and SRS in accordance with aerospace, military, automotive and IEC specifications. Each electrodynamic shaker (from 6,000 to 12,000 lbf) is fitted with an AGREE chamber for combined environment testing.

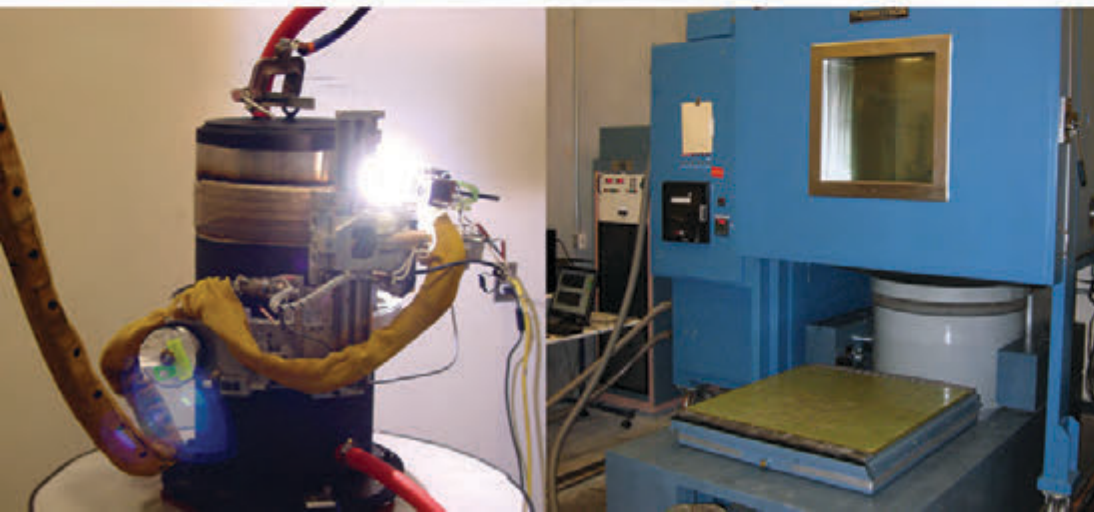
Custom fixtures may be designed and fabricated in-house to accommodate unique sample geometry.

Common Capabilities:

- Transportation Vibration
- Engine-Mounted Vibration
- Passenger Compartment Vibration
- Resonance Search and Dwell
- Rough Handling
- Shock, Drop and Tumble
- Nuclear Seismic Testing
- Seismic Testing

Typical Specifications Include:

- MIL-STD-810
- RTCA/DO-160
- GMW3172
- IEC 68-2-27
- IEEE 344
- GR-63-CORE
- ICC-ES AC156



ATS, founded in 1967 and headquartered in Marietta, GA is one of North America's leading consulting engineering firms with extensive testing and inspection capabilities delivering a combination of experience, professionalism and decisive responsiveness for our clients.



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