



Triaxial Seismic Qualification Testing

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

Specifications:

- 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 52 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 16 Channels of Piezoelectric Accelerometers
- Independent High-Speed DAQ Systems for Chatter Monitoring (48 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
- ANSI/NCSL Z540-1 Calibration System Requirements

