

VIBRATION TESTING SERVICE

Vibration testing is a major part of preliminary testing. As well as product development and quality assurance. It is crucial to determining the product characterization prior to durability testing. JTL America is also experienced with designing and handling vibration fixtures. Let us be your one-stop laboratory. JTL America can help you.

TESTING CAPABILITIES

- Vibration Testing
 - Random
 - Sine Sweep
 - Sine on Random
 - Shock
- Combined vibration and environmental
- Resonant searches and dwells
- Custom test fixture design and fabrication
- Fixture resonance evaluation

STANDARD WE TEST TO

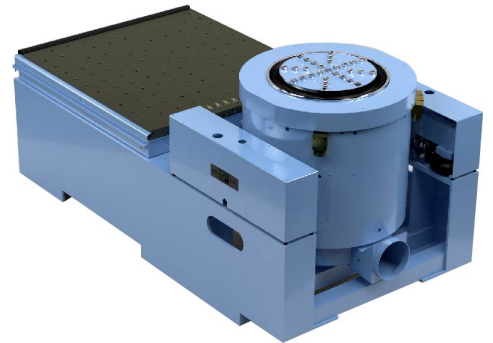
GMW	ASTM
Ford	ISTA
Chrysler	ISO/IEC
Toyota	JIS
Nissan	R&D
Honda	Customer Driven
HMC	



SHAKER SPECIFICATION

- Shaker Type: Electrodynamic
- Vibration Types: Sine, random, sine on random
- Axis: X, Y, Z
- Sine Force (pk) : 8,000 lbf (35.6 kN)
- Random Force (rms): 8,000 lbf (35.6 kN)
- Shock Force: 19,000 lbf (85kN)
- Usable Frequency Range: 5 to 3,000 Hz
- Stroke: Up to 2" pk-pk

Shaker can be temperature controlled with environmental chamber coupled with hot, cold and/or humidity



CHAMBER SPECIFICATION

- Temperature: - 50°C to + 150°C
- Temperature Accuracy: +/-0.1°C to +/-0.5°C
- Humidity: 10% RH to 95% RH
- Humidity Accuracy: +/-1.0%RH to +/-5.0%RH
- Test Space Dimensions: W 44" (1118mm) x D 44" x H 44"
- Temperature Ramp Rate: Heating Rate 2.2°C/minute
Cooling Rate 1.0°C/minute



ACCREDITATION

ISO 17025:2017

JTL AMERICA IS ACCREDITED TO ISO/IEC 17025:2017

ISO/IEC 17025:2017 is the global standard of quality governing the operation of testing laboratories.