Intertek ETL SEMKO is now offering Buzz, Squeak & Rattle (BSR) testing. The MB Dynamics Energizer low-noise vibration system can be used to test instrument panels and consoles, cockpits, seats, seat belt retractors, HVAC assemblies, vent registers, airbag modules, clusters, steering column assemblies, radios, and audio equipment. With its patented flexure design and sequential 3-axis vibration system, the MB Energizer is designed exclusively for squeak and rattle testing.

**MB Dynamics Energizer Low-noise Vibration System Specifications:**
- System noise less than 1.5 sones
- Background Sound Levels less than 26 dBA
- Random, Sine and Shock-type vibration profiles
- Custom profiles utilizing actual Road Load Data Acquisition also available
- 6’x2’ payload area: can accommodate most vehicle subsystems
- Capacity to 500 pounds
- Flexible fixtureing: allows single sample mounting to be used for 3 axes of vibration.

**Measurement Capabilities:**
- Multiple Sound Measurement Software and hardware equipment up to 4 Microphone inputs:
  - MB Dynamics S&R Metrics Package
  - Head Acoustics Artemis
  - Agilent/HP 35670A Dynamic Signal Analyzer
  - Brüel and Kjær 4100D Head and Torso Simulator
- Sound Pressure Level (SPL) Flat Response, A-weighted, custom filtered, post-processing of raw data
- Frequency Response: 1/3, 1/24 octave Spectrum Analysis
- Stationary Zwicker Loudness (Sones) Per ISO 532
- Time Varying Loudness

**Test Standards:**
Per most major Automotive Squeak and Rattle specifications, in particular:
- General Motors: GMW 7293, GMW14011
- Ford Motor Company: CETP 01.01-L-407, CETP 15.01-L-402
- Custom specification requiring low background noise levels

For more information on Intertek’s BSR testing capabilities, or to request a quote, please contact detroit.services@intertek.com.