

Low Force Range

Solutions for Vibration Testing of Components, Small Assemblies, or Modal and Structural Analysis

- Wide frequency band (5 Hz to 13 kHz) combined with high peak forces (2 lbs - 110 lbs peak sine force)
- Low mass, high performance armature construction
- Robust, lightweight suspension system provides excellent torsional and transverse stiffness with minimal impact on system acceleration
- Base or trunnion mounted
- Powered by compact, quiet, energy efficient amplifiers
- Compatible with LDS *COMET_{USB}*[™] and *LASER_{USB}*[™] Vibration Controllers



V406 shaker being used to test camcorder to ensure product reliability during operation.

Industry Applications

- ✓ Modal and structural analysis
- ✓ Electronic assembly test
- ✓ Laboratory experiments



V101/2, V201/3, V406/8, V450/1 AND V455/6 SHAKERS

This range of permanent magnetic shakers are ideal for modal analysis. Their efficient armature design enables them to deliver impressive peak forces and accelerations over a wide frequency range.

The shakers are controlled using either the *COMET_{USB}* or *LASER_{USB}* system controllers, or are compatible with 3rd party controllers and amplifiers.

Shaker Model	V101/2 -PA 25E	V201/3 -PA 25E	V406/8 -PA 100E	V406/8 -PA 500L	V450/1 -PA 500L	V455/6 -PA 1000L
System Sine Force Peak (lbf)	2.0	4.0	22.0	44.0	70.0	110
System Max Random Force rms (lbf)	-	-	8.5	20.0	48.0	68.0
Max Acceleration Sine Peak (gn)	140	91.0	50.0	100	74.5	117
System Velocity Sine Peak (in/s)	51.6	58.7	60.0	70.0	70.0	98.4
System Displacement Continuous pk-pk (in)	0.1	0.2	0.55	0.69	0.75	0.75
Moving Element Mass (lb)	0.0143	0.044	0.44	0.44	0.94	0.94
Usable Frequency Range (Hz)	5-12,000	5-13,000	5-9,000	5-9,000	5-7,500	5-7,500