

LOW FORCE RANGE

V101, V201, V406/8, V450 and V455 Shakers

This range of permanent magnetic shakers is 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, and are compatible with third-party controllers and amplifiers.

Shaker model

	V101 -PA 25E	V201 -PA 25E	V406/8 -PA 100E	V406 -PA 500L	V450 -PA 500L	V455 -PA 1000L
System sine force peak (lbf)	2	4	22	44	70	110
Shaker max random force rms (lbf)	-	-	8.5	20	48	66
Max acceleration sine peak (gn)	140	91	50	100	74.5	117
System velocity sine peak (in/s)	51.6	58.7	59.8	70.1	70.1	98.4
System displacement continuous pk-pk (in)	0.098	0.187	.55	0.69	0.75	0.75
Moving element mass (lb)	0.0143	0.0444	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

Solutions for vibration testing of components, small assemblies, or modal and structural analysis

- Wide frequency range (5 Hz to 13 kHz) combined with high peak forces (2 - 110 lbf)
- Low-mass, high-performance armature construction
- Robust, lightweight suspension system provides excellent torsional and transverse stiffness with minimal impact on acceleration
- Base or trunnion mounted
- Powered by compact, quiet, energy-efficient amplifiers
- Compatible with COMET_{USB} and LASER_{USB} vibration controllers



Testing of mobile phone to ensure product reliability during use

Industry applications

- Modal and structural analysis
- Electronic assembly testing
- Laboratory experiments

