

The "I" Series exceeds typical vibration test requirements of other medium to large sized electronic assemblies, automotive parts, aviation and avionics parts. The "I" Series is designed to meet military and international test standards including MIL, ASTM, IEC, ISO, BS and JIS. The Extreme Acceleration Shaker Y-Ring (EAS-Y Ring) armature is a revolutionary design which will allow for using a proportioned head expander to test multiple specimens simultaneously at extreme high acceleration level. Other test requirements including transportation vibration simulation combined vibration-climatic test and seismic simulations for small size components can easily be fulfilled by the ETS "I" Series.

Features	Applications	Benefits
<ul style="list-style-type: none"> Rated acceleration: 150G Sine Rugged trunnion design with bearing guidance Air bag isolator built-in reducing dynamic floor stress Light weight solid ring on frame armature design for high acceleration performance (no multiple windings) Dynamic and static armature centering available Roller-truss flexure suspension system with high cross-axial stiffness Armature water-cooled and shaker air-cooled High voltage power amplifier: IGBT +PWM modulation 	<ul style="list-style-type: none"> Automotive and aerospace engines component test Vehicle exhaust test Heavy duty connector test Avionics parts testing MIL-STD testing 	<ul style="list-style-type: none"> Simple system operation State-of-the-art microprocessor logic control unit High-energy conversion efficiency Amplifier (greater than 90%) All-encompassing fuse protection designed for high current system components Detailed scope of system interlock protection Complies with USA, European and international safety and EMC regulations Compatible with all vibration controllers Remote control panel available with full Amplifier features Low-profile body design ready for chamber integration Integration with unibase or standalone slip table Simple initial self-system setup Interactive diagnostic 'System Status' displayed on LCD



Model Number	HVA3310/I1045	HVA3415/I1045
Sine Force Rating Peak (lbf)	17200	22000
Random Force Rating RMS (lbf)	17200	22000
Usable Frequency Range (Hz)	5 - 2,500	5 - 2,500
Continuous Displacement (in)	3	3
Maximum Velocity (in/s)	70	70
Maximum Acceleration (Sine) (g)	133	150
Effective Moving Element Mass (lb)	132	132

*Specifications are correct at the time of publication. In keeping with our commitment to continuous product improvement, the information herewith is subject to change. ETS reserves the rights to amend specifications without prior notice.