

TruMotion™ - Acceleration Systems

Unit Load Stability System

Vast improvements in the quality and quantity of environmental field data now demand improvements in test methodologies. Regulatory bodies require testing that's closer to reality – assuring safe and stable unit load integrity. Introducing Lansmont TruMotion acceleration systems. Our advanced simulation solutions help to deliver regulatory compliance by bringing true-to-life test results directly into your laboratory.

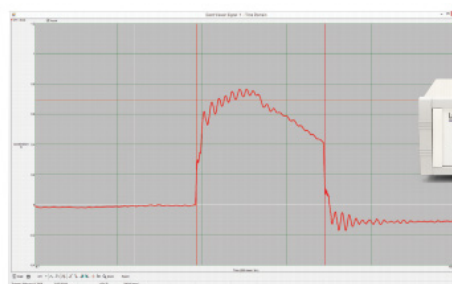


Transport Measurement

When transport vehicles accelerate, turn or brake, the resulting low-frequency accelerations can cause unit loads to shift. Understanding those dynamics helps assure proper laboratory simulation. The SAVER™ 3D15, with its MEMS DC Response accelerometers, is the right instrument to address those applications.



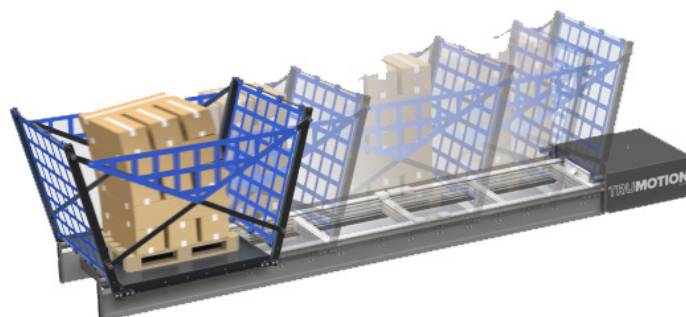
- » Advanced Features to Advance the Accuracy of Your Testing
- » Robust and durable design, assuring maximum operational efficiency
- » Belt-driven, providing smooth, quiet and durable motion control
- » Standards-based and user-defined acceleration vs. time motions
- » Meets EUMOS 40509 and US FMCSA Cargo Securement requirements
- » Advanced simulation, comparably closer to reality
- » Use of optional Lansmont Test Partner™ 4 provides high-fidelity verification of system performance via DC response instrumentation (acceleration, force)



Test Partner 4
Data Acquisition

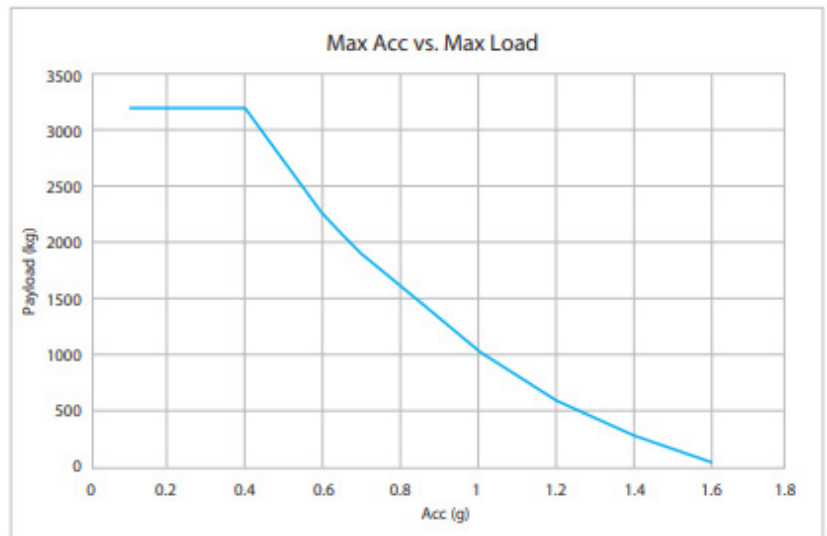
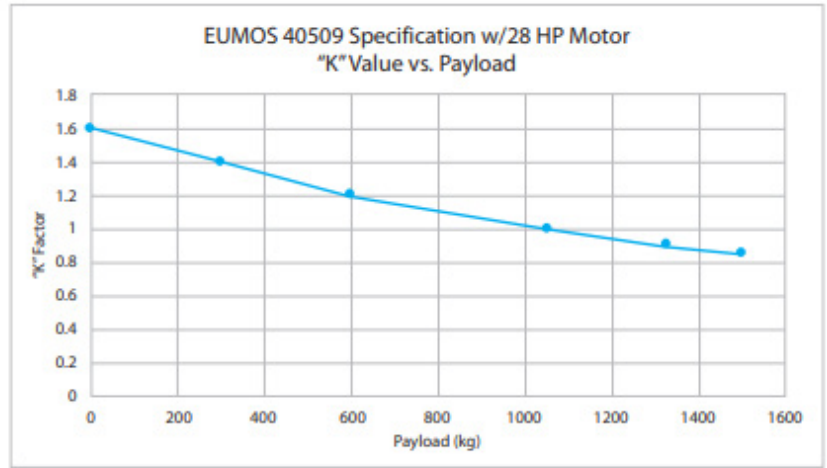


*Sample
Test partner 4
DC-response data only



Load Stability Tester Specifications

- » Model : 1500 mm – 21 kW
- » Carriage Size: 1500 mm x 1500 mm
- » Carriage Weight: 204 kg (450 lb)
- » Max Payload: 1500 kg (3307 lb)
- » Max Bare Carriage Constant Acceleration (g) (300 ms dwell): 1.6 g
- » Max Carriage Constant Acceleration (g) (300 ms dwell) w/ 1500 kg: 0.85g
- » Max Velocity, bare carriage (m/s): 5.49 m/s (216 in/s)
- » Max Velocity, w/ 1500 Kg payload: 2.92 m/s (115 in/s)
- » Max Stroke: 3378 mm (133 in)
- » Overall Machine Dimensions (mm):
5790 long x 1500 wide x 346 tall
(228" x 59" x 13.63")
- » Machine Weight (kg):
1361 kg (3000 lb)
- » Utilities Required:
400/460 VAC 60/50 amps (50/60 Hz)



NOTE: Continued product improvement necessitates that Lansmont reserves the right to modify these specifications at any time without notice.

