

## 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.

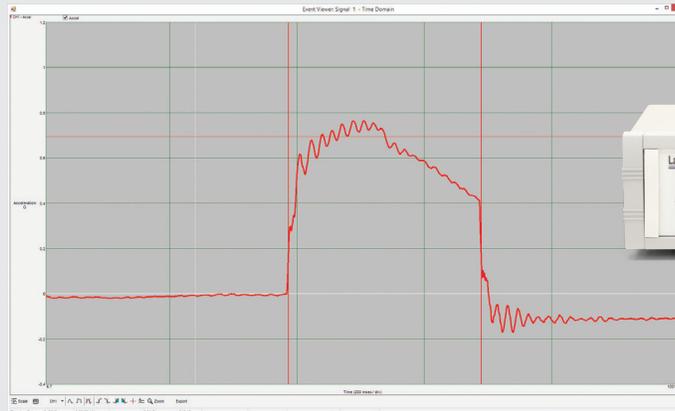


### Transport Measurement

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

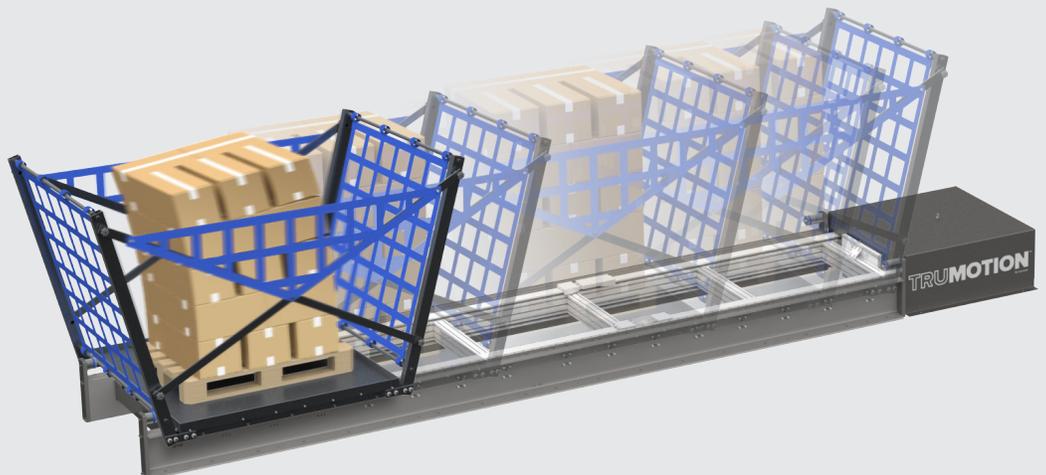
- Robust and durable design, assuring maximum operational efficiency
- Belt-driven, providing smooth, quiet and durable motion control
- Standards-based and user-defined acceleration vs. time motions
- Meets EUMOS 40509 and US FMCSA Cargo Securement requirements
- Advanced simulation, comparably closer 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

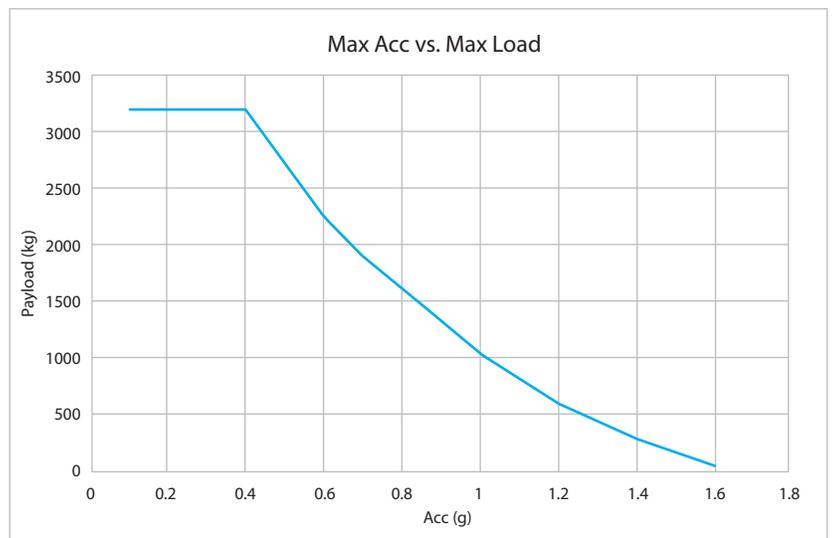
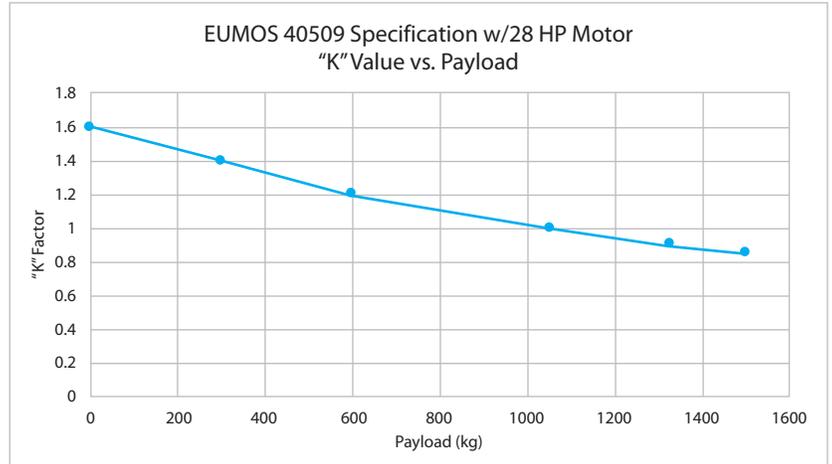
(228" x 59" x 13.63")

### 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.

