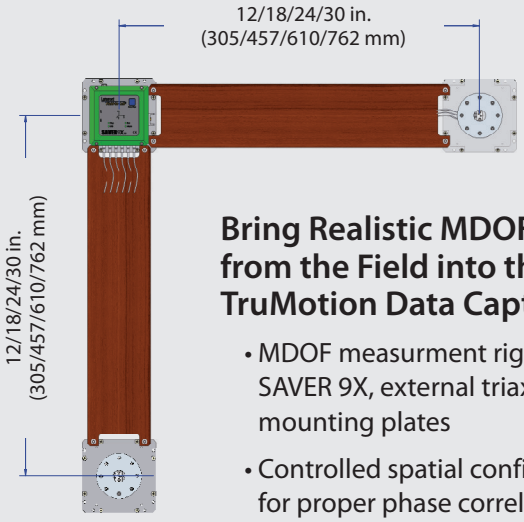
Lansmont

TruMotion™
Vibration Systems

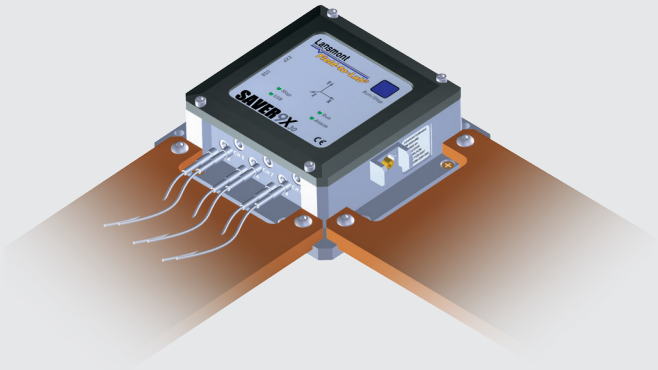
Load Stability Test System

Vast improvements in the quality and quantity of environmental field data now demands improvements in test methodologies. Regulatory bodies are starting to require testing that's closer to reality – closer to the truth. Introducing Lansmont ***TruMotion™*** vibration systems, delivering high fidelity, multi-degree of freedom motions. Our advanced simulation solutions bring true-to-life test results directly into your laboratory.



Bring Realistic MDOF Event Data from the Field into the Lab with TruMotion Data Capture

- MDOF measurment rig, including SAVER 9X, external triax accels and mounting plates
- Controlled spatial configuration for proper phase correlation
- PSD summary and correlation
- Data output for MDOF laboratory test system drive profile & control



Advanced Features to Advance the Accuracy of Your Testing

- Robust and durable design, assuring maximum operational efficiency
- Time-domain and PSD based motions and corresponding fidelity
- Pitch, roll and vertical inputs
- Pure fidelity
- Advanced simulation, comparably closer to reality
- Unique dynamic characteristics warrant unique simulation

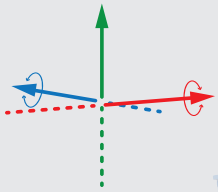


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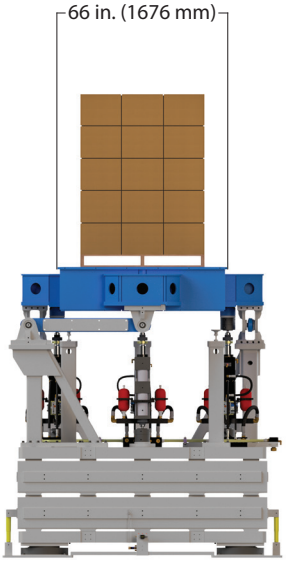
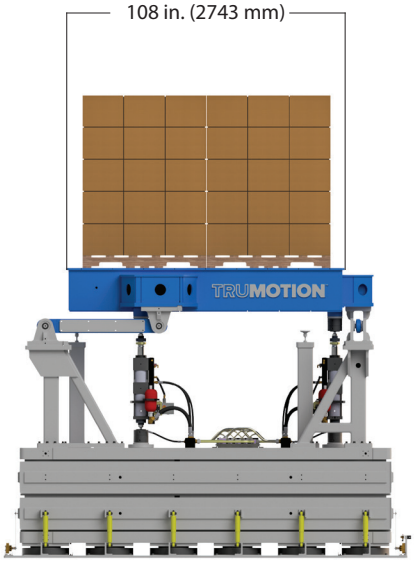
Table Dimensions

Side to side: 108 in. (2743 mm)

Front to back: 66 in. (1676 mm)





Test Capabilities

8000 lbs. (3629 kg) max. payload, with 40 in. (1016 mm) high specimen CG

3DOF – pitch, roll and vertical inputs

Max. acceleration 1.5g

Max. velocity 20 ips (0.508 mps)

Max. displacement 6 in. (152 mm)

Max. rotational angles +/- 6.5°

ISTA & ASTM Truck and Rail SDOF PSDs

Field-to-Lab® drive file incorporation

Features

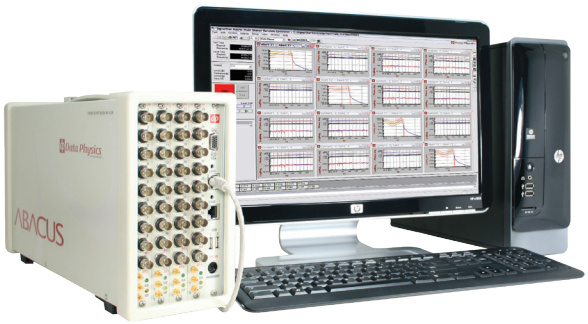
Best-in-class Data Physics* Matrix multi-axis vibration controller

Sine, random and time waveform replication software

Thru-put to disk and calibration software

16 input channels for control and data acquisition

Dedicated host PC with 24 in. (609 mm) LCD monitor



*Data Physics is a member of the NVT Group.

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