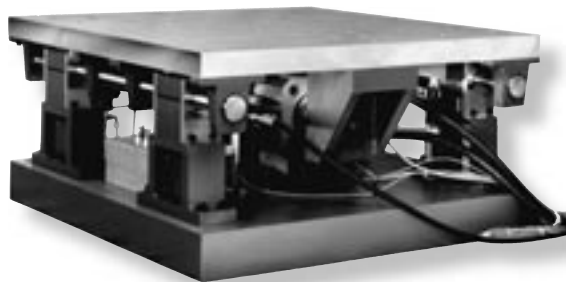


## 6000H Horizontal Vibration Test System

Do you have a need for horizontal vibration? The Lansmont Model 6000H Horizontal Vibration Test System is your solution! This system was designed to perform a wide range of horizontal vibration tests, including sine, random, and Field-to-Lab™ protocols. From small products to pallet loads, this system can be configured to handle them all. The 6000H vibration system features a rugged hydraulic actuator designed specifically for today's testing profiles, a reliable hydraulic power supply, and Lansmont's extremely popular TouchTest vibration control system. The Model 6000H can also be configured to work with a vertical vibration system, sharing the hydraulic power supply and controls. This feature allows you the versatility of both a horizontal and vertical vibration test system without an investment in redundant power supplies and control systems. Let Lansmont help you configure a Model 6000H horizontal vibration test system that will meet your demands today!



Let Lansmont help you configure a Model 6000H horizontal vibration test system that will meet your demands today!

### 6000H Horizontal Features:

- The 6000H horizontal vibration system has a table size of 36 in. square (91 cm) and has a piston stroke of 6 in. (15.2 cm), capable of handling payloads up to 3,000 lbs. (1,364 kg). Optional table size of 60 in. square (152 cm) is available.
- Windows™ based vibration control system, including Lansmont's extremely powerful TouchTest Vibration software.
- Random vibration, swept-sine vibration, resonance search and dwell, as well as powerful user-defined profiles all included.
- Fully integrated pump and servo controls, all designed and manufactured by the Lansmont Corporation.
- Field-to-Lab™ ready. Simple transfer of data from your Lansmont SAVER™ to your vibration controller for real-world random vibration tests.
- Full range of applications training programs available.
- Worldwide Customer Service department.



### Vibration Testing Benefits:

- Identify design and production defects.
- Increase product ruggedness.
- Reduce packaging costs.
- Eliminate shipping damage.

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# 6000H Horizontal Vibration Test System

## TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Sizes	36 in. (91.4 cm) Optional 48 in. Top-Plate (122 cm) Optional 60 in. Top-Plate (152 cm)
Seismic Base Options:	
Base-Plate	1,500 lbs. (680 kg) Mounts directly to concrete floor.
Optional Seismic Base	8,000 lbs. (3,629 kg)
PERFORMANCE	
Load Capacity, Maximum	3,000 lbs. (1,361 kg)
Load Capacity, Maximum (with optional 1-G Supports)	N/A *(See Plant Air)
Maximum Stroke (Peak-To-Peak)	6.0 in. Peak-to-Peak (15.2 cm)
Frequency Range	3 – 100 Hz
Actuator Stall Force at 3,000 psi (207 bar)	6160 lbs. (2,794 kgf)
HYDRAULIC POWER SUPPLY	
Voltage	230 – 460 VAC
Frequency	50 – 60 Hz
Phase	Three Phase
Current	21A – 42A
HPS Motor Rating	20 HP
POWER REQUIREMENTS, CONTROL	
Voltage	100 – 220 VAC
Frequency	50 – 60 Hz
Phase	Single Phase
ENVIRONMENTAL	
Cooling Water	60 Degrees at 6 Gal/Min, for Models 1800–5 – 10000 (15.5 Degrees C at 22.7 L/Min, for Models 1800–5 – 10000)
Plant Air (*)	Not Required

### TouchTest Vibration Controls:

- Available in either Bench-Top or Full "System Station" Configurations. Both Options have identical functionality; the System Station offers a convenient, stylish enclosure for controls.
- Extremely powerful, Windows™ based software.
- Reliable, fully-integrated pump/servo controls.
- Intuitive interface and full-featured help files make machine operation simple.
- Quick, easy data upload from Lansmont field data recorders makes Field-to-Lab™ simulations a snap.
- Easy sharing of data via e-mail, internet, and export to other popular programs such as Word™ and Excel™.



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