

15000 Vibration Test System

Lansmont's Model 15000 Vibration Test System has the largest stroke of all the vibration systems currently offered at Lansmont. With 10 in. (25.4 cm) of piston stroke and 15,000 lbs (66.7 kN) of stall force, this machine is developed to test massive payloads up to 100 Hz. The 15000 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. Let Lansmont help you configure a Model 15000 vibration test system that will meet your demands today!

15000 Features:

- Extremely versatile, the 15000 can be configured with table sizes from 48 in. square (122 cm) to 60 in. square (152 cm). It has a piston stroke of 10 in. (25.4 cm) and can handle payloads up to 3500 lbs (1588 kg).
- Windows™ based vibration control system, including Lansmont's extremely powerful TouchTest Vibration software.
- Random vibration, swept-sine vibration, resonance search and dwell, repetitive bounce and 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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TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Sizes	48 in. (122 cm) – 60 in. (152 cm) sq.
Seismic Base Options	10,000 lbs. (4,536 kg) – 12,000 lbs. (5,443 kg)
PERFORMANCE	
Load Capacity, Maximum	2,000 lbs. (907 kg)
Load Capacity, Maximum (with optional 1-G Supports)	3,500 lbs. (1,588 kg) *(See Plant Air)
Maximum Stroke (Peak-To-Peak)	10 in. (25.4 cm)
Frequency Range	3 – 100 Hz (1,000 Hz with 36 in. sq. magnesium table)
Actuator Stall Force at 3,000 psi (207 bar)	14,726 lbf. (66 kN)
HYDRAULIC POWER SUPPLY	
Voltage	200 – 460 VAC
Frequency	50 – 60 Hz
Phase	Three Phase
HPS Motor Rating	100 HP, Standard
POWER REQUIREMENTS, CONTROL	
Voltage	100 – 220 Vac
Frequency	50 – 60 Hz
Phase	Single Phase
ENVIRONMENTAL	
Cooling Water	60 Degrees F at 12 Gal/Min. for Models 15000 – 28000 (15.5 Degrees C at 45.4 L/Min. for Models 15000 – 28000)
Plant Air (*)	100 psi (6–9 bar) for all Vibrations Machines utilizing the 1-G support option.

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™.

