

## MS-400 Package Shaker

The Lansmont Model MS-400 Package Shaker is used to perform "repetitive shock", "loose load" or "bounce" tests in accordance with ISTA, ASTM, TAPPI, ISO, MIL-STD, FED-STD, UN, DOT, and other industry, government, and international standards. The large table size and load capacity of the Model MS-400 make it ideal for most testing applications, from single package tests to small pallet loads. The MS-400 operates on an eccentric cam principle, and is adjustable for circular-synchronous and vertical-linear motions. The MS-400 utilizes a very simple system for changing motions and can be configured from one to the other in 5 minutes! Frequency range of the MS-400 is from 2 Hz to 5 Hz., with a fixed displacement of 1 inch (2.54 cm). Maximum acceleration of the test system is 1.25 g's.

For control, the MS-400 utilizes Lansmont's exclusive MicroTest™ hand-held controller. This micro-processor based unit controls all set-up and operation of the machine, and indicates frequency, RPM, test time, time remaining, test cycles, cycles remaining, and acceleration on a large, multi-functional LCD display. All controller settings are retained in non-volatile memory, even with the power off. The controls may be hand-held, or reside in the optional swivel stand.



### MS-400 Features:

- User selectable motions, 5-Minute changeover.
- MicroTest™ hand-held controller.
- Precision speed / frequency sensor.
- Externally accessible grease fittings for simplified maintenance.
- Built-in pencil holder to facilitate ISTA certification.
- Emergency Power Off (EPO) Button.
- 360° accessibility; no drivetrain protrusions.
- High-end fence included on one side. 36 in. (91.4 cm) tall.

### MS-400 Options:

- Swivel Stand for mounting controls. Provides a convenient holder for the MicroTest™ hand-held controller.
- 30° out-of-phase rotary motion.
- Low profile fence option.



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## TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Sizes	48 in. x 48 in. (122 cm x 122 cm)
Displacement	1.0 in. (2.54 cm) Fixed
Frequency Range	2.0–5.0 Hz
Max. Acceleration	1.25 g Peak
Motions	Circular-Synchronous, Vertical-Linear, 30° out-of-phase
Machine Envelope	54 in. x 60 in. (137.2 cm x 152.4 cm) 800 lbs. (363 kg)
Machine Capacity	400 lbs. (181 kg)

  

POWER REQUIREMENTS	
Voltage	240 VAC +/- 10%
Frequency	50 Hz–60 Hz
Phase	Single Phase

