

## Mechanical package shaker



Packaged-products must withstand vibration and impact dynamic energy while being transported. Mechanical shakers are a low cost testing equipment option for challenging the integrity of your packaging designs. Lansmont Mechanical Shakers comply with repetitive shock requirements as referenced in industry standard testing specifications including ASTM, ISTA, ISO, and MIL-STD. These machines operate on an eccentric cam principle, and are adjustable for circular-synchronous or vertical linear motions. The operating Frequency range is from 2 Hz. - 5 Hz., with a fixed 1-inch displacement and a maximum acceleration of 1.25g peak.

### Features

#### Handheld controller

The handheld controller is a lightweight, ergonomic control box designed for hand-held operation. All control features of the MS 400 and MS 2000 Package Shakers are incorporated into the design including Power On/Off, test setup, and Start/Stop functions. An LCD screen displays all pertinent test information—rotary speed, frequency, test durations, and acceleration level.

#### Circular-Synchronous and Vertical-Linear Motion

Standard Package Shaker systems are configured to perform either circular-synchronous (rotary) and vertical-linear (vertical only).

#### Variable-Speed DC Motor and Synchronous belt drive

Package Shakers come standard with a variable-speed DC motor, driving a synchronous belt, which provides quiet, smooth operation of the test system.

### Specifications

#### Dimensions:

- » MS 400: 183 x 157 x 155 (L x W x H)
- » MS 2000: 213 x 191 x 244 (L x W x H)

#### Table size:

- » MS 400: 122cm square
- » MS 2000: 213cm square

#### Weight:

- » MS 400: 590kg
- » MS 2000: 1157kg

#### Power:

- » MS 400: 240 V AC +/- 10%, 50-60Hz
- » MS 2000: 240 V AC +/- 10%, 50-60Hz

### Performance specifications

#### » Test bed size:

- » MS 400: 122cm square
- » MS 2000: 152cm square

#### » Payload capacity:

- » MS 400: 181kg
- » MS 2000: 909kg

#### » Frequency range:

- » MS 400: 2 - 5 Hz
- » MS 2000: 2,3 - 4,7Hz