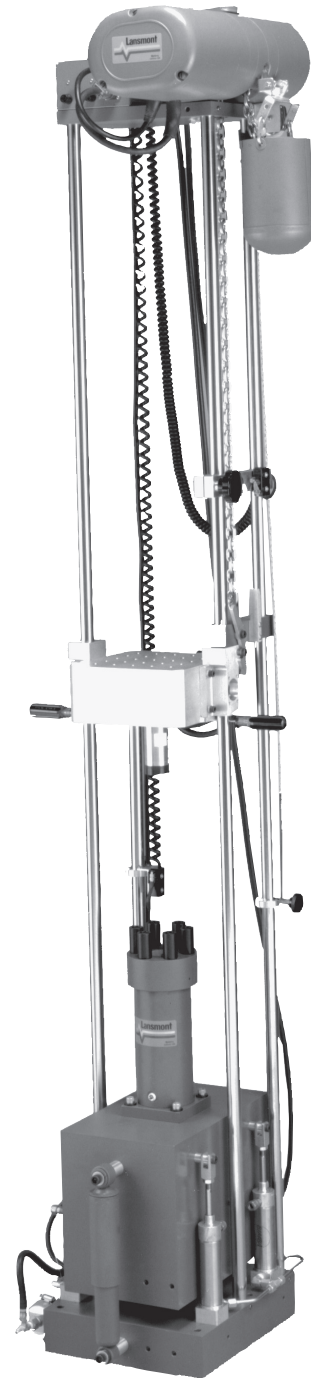


Model 23 Shock Test System

Lansmont's Model 23 Shock Test System is an extremely versatile testing machine. In addition to performing a wide variety of programmable shock tests, the Model 23 can also perform materials impact evaluation (cushion testing) or artificial turf testing with optional platens and impact forms. The Model 23 features an electronic hoist lifting system for easy table positioning and can be outfitted with an optional floating seismic reaction mass to isolate shock energy from transmitting to the surrounding laboratory space. The Model 23 is equipped standard with a handheld controller that allows for simple operation. However, the Model 23 can also be upgraded to include Lansmont's TouchTest™ Shock II Controls.

Model 23 Features:

- Testing versatility- the Model 23 can also be used for cushion testing or artificial turf testing.
- Single-faced solid aluminum carriage with tabletop hole pattern.
- Half-sine, trapezoidal, and terminal peak sawtooth shock pulse capabilities.
- Electric hoist for table position.
- Lansmont's TouchTest™ Shock II Controls incorporated with Lansmont's Test Partner Data Acquisition System provide the most powerful shock system controller available!
- Global Customer Support offers professional services including repair, maintenance, calibration and training.



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Model 23 Shock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Mounting Surface	
Side to Side (between guide rods)	9.06 in. (23 cm) Shock or Heavyweight Cushion 8.5 in. (21.6 cm) Lightweight Cushion
Front to Back	9.06 in. (23 cm) Shock or Heavyweight Cushion 8.5 in. (21.6 cm) Lightweight Cushion
Table Weight	35 lbs. (16 kg) Shock 12.8 lbs. (5.8 kg) Heavyweight Cushion 1.92 lbs. (0.9 kg) Lightweight Cushion

PERFORMANCE	
Maximum Specimen Weight	80 lbs. (23 kg)
Maximum Acceleration (bare table)	5,000 g
Minimum (bare table)	.25 msec* (half-sine)
Maximum (bare table)	24 – 32 ft/sec (7.3 – 9.7 m/sec)

* Note: Maximum Acceleration, Shock Pulse Duration and Velocity Change vary considerably depending on the table weight, specimen weight and programming material. The values listed are to be used as guidelines only.

MACHINE SIZE	
Height	96 in. – 120 in. (244 cm – 305 cm)
Side to Side	21 in. (53 cm)
Front to Back	24 in. (61 cm)
Weight	400 lbs. – 800 lbs. (181 kg – 363 kg)

UTILITIES	
Minimum Service Requirement (Electrical)	
Hoist (Voltage / Frequency / Current):	200-240VAC/3Ø/50-60 Hz: 4 amp minimum (standard) 380-480VAC/3Ø/50-60 Hz: 2 amp minimum (standard) 110-120VAC/1Ø/50-60 Hz: 15 amp minimum (optional) 220-240VAC/1Ø/50-60 Hz: 10 amp minimum (optional)
Controls: (Voltage / Frequency / Current):	100-120VAC/1Ø/50-60 Hz: 1 amp minimum 200-240VAC/1Ø/50-60 Hz: 1 amp minimum
Nitrogen (for squarewave programmers only)	1,000 – 2,000 psi (69 – 138 bar)
Plant Air	90 psi (6.2 bar) with LIK option and/or floating seismic base option.
SHIPPING WEIGHT	800 lbs – 1,200 lbs. (363 kg – 544 kg)

* With pneumatic supported seismic base.

TouchTest™ Shock II Controls:

- Available in Bench-Top Controls.
- Fully integrated machine setup and control.
- Touch-screen user interface.
- New shock pulse predicator feature makes setting up shock pulses easier than ever.
- Automatically communicates with Lansmont's Test Partner Data Acquisition and Analysis System for the most advanced shock analysis ever.

