

## Models HS15 to HS30 Shock Test Systems

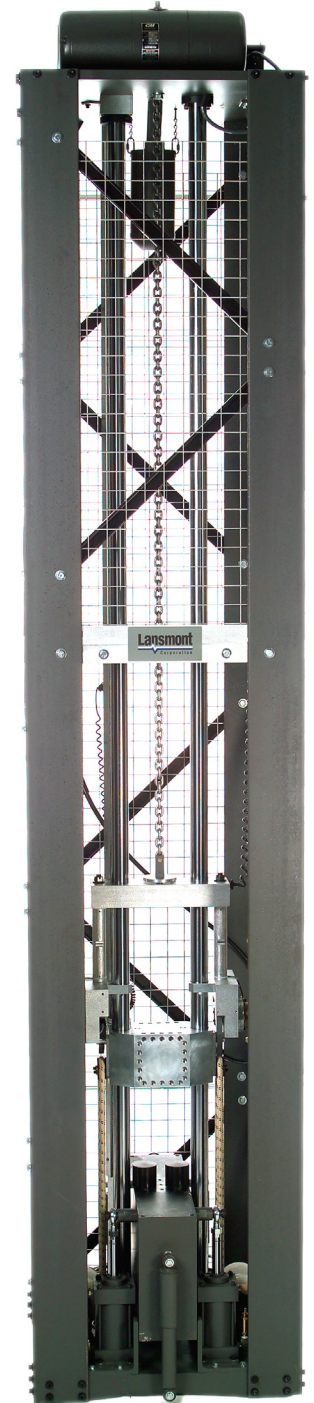
### High Speed Series

Lansmont's Models HS15 to HS30 High Speed Series Shock Test Systems are designed to deliver a comparably higher degree of performance (acceleration, duration, and velocity change) as compared to our Standard and Performance Series test systems. As with our Performance Series, Lansmont continues to offer flexibility in selectable test system table size.

#### HS15 to HS30 Features:

- Very high velocity change; ranging from 60 ft./sec to 120 ft./sec (18.3 m/sec to 36.6 m/sec).
- Very high accelerations: up to 10,000 g.
- Very short duration pulses, down to 0.2 millisecond.
- Selectable table depth (front to back), ranging between 4 inches and 16 inches (10.1 cm and 40.6 cm.).
- Selectable table width (side to side), ranging between 5.9 inches and 10.2 inches (15 cm and 26 cm.).
- Three-sided safety enclosure surrounding device-under-test area.
- Amplified air-to-oil braking system; providing superior braking performance.
- Superb pulse quality at these high speeds. Meets and exceeds the pulse quality standards of ASTM, ISTA, Mil-STD, etc.
- 3-point floating seismic base for impact energy isolation, precise leveling and better control of pulse quality.
- 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.

Lansmont HS15 to HS30 Series Shock Test Systems deliver an increased level of performance, highlighted by nearly four (4) times the velocity change of its nearest standard shock machine. While our HS15 to HS30 Series test systems can generate over sixteen (16) times the impact energy of our Standard Series, superior design, engineering and manufacturing guarantee Lansmont traditional industry-leading quality and control over the resulting pulse waveforms.



# Models HS15 - HS30 Shock Test Systems

High Speed Series

TECHNICAL SPECIFICATIONS

## PHYSICAL

Maximum Specimen Weight	250 lbs. (113 kg).
Table Mounting Surface:	
Side to Side Range (between guide rods)	5.9 in. - 10.2 in. (15 cm - 26 cm)
Front to Back:	4.0 in. - 16 in. (10.1 cm - 40.6 cm)

## PERFORMANCE

Maximum Acceleration (bare table)	5,000 g - 10,000 g (Half-sine)
Shock Pulse Duration Range	0.2 msec - 11 msec*
Velocity Change Range	60 ft/sec - 120 ft/sec (18.3 m/sec - 36.6 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 general guidelines only.

## MACHINE SIZE

Height Range:	115 in. - 175 in. (292 cm - 445 cm).
Side to Side:	30 in. - 34.3 in. (76.2 cm - 87.1 cm)
Front to Back:	43.3 in. (110 cm)
Weight:	3,000 lbs. - 4,500 lbs. (1361 kg - 2041 kg)**

## UTILITIES

Minimum Service Requirements (Electrical)	
Controls: (Voltage / Frequency / Current):	100-120VAC/1Ø/50-60 Hz: 1 amp minimum 200-240VAC/1Ø/50-60 Hz: 1 amp minimum
Hoist: (Voltage / Frequency / Current):	200-240VAC/1Ø/50-60 Hz: 15 amp minimum 200-240VAC/3Ø/50-60 Hz: 10 amp minimum 380-480VAC/3Ø/50-60 Hz: 4 amp minimum (standard)
Plant Air (Brakes & seismic base):	Normal plant/facility compressed air for braking & seismic base ; no nitrogen required.
Shipping Weight:	4,000 lbs. - 5,500 lbs (1814 kg - 2495 kg)**

\* Longer durations possible; contact Lansmont.

\*\* Varies with table width and machine height.

TouchTest™ Shock II Controls:

- Available in Bench-Top Controls.
- Fully integrated machine setup and control.
- Touch-screen user interface.
- New shock pulse predictor feature makes setting up shock pulses easier than ever.
- Automatically communicates with Lansmont's Test Partner 3 Data Acquisition and Analysis System for the most advanced shock analysis ever.

