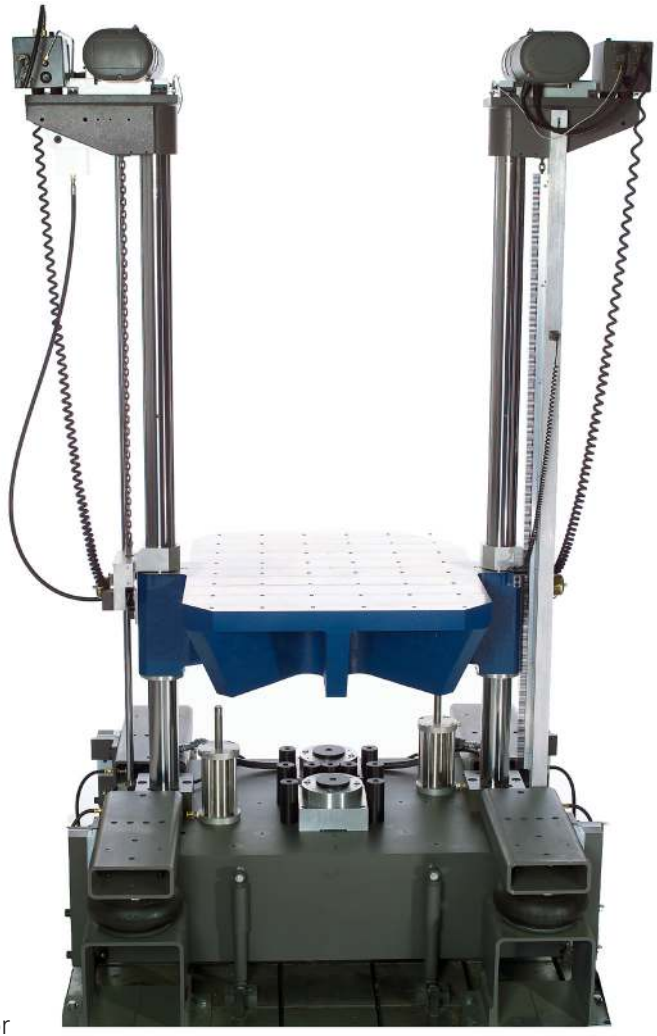
Test Equipment Solutions

Shock Systems

Model 95/115D Shock Test System



Lansmont's Model 95/115D Shock Test System is an enhanced version of our standard Model 95/115 Shock Test System. Through close cooperation with the world's leading computer manufacturers, Lansmont has modified the proven Model 95/115 Shock Test System design to meet the demanding computer industry shock testing requirements in general and Dell laboratory certification requirements in particular. The Model 95/115D offers the test engineer a wide range of performance, with its 37.4 in. x 45.3 in. (95 cm x 115 cm) cast aluminum table, 1,000 lbs. (454 kg) payload capacity, and peak half-sine acceleration of 600 g's. The Model 95/115D comes preconfigured to perform half-sine and trapezoidal waveforms and can be optionally configured to perform terminal peak sawtooth waveforms with minimum set-up times between pulses. The one-piece cast aluminum table and integral seismic reaction mass with embedded Damage Boundary Programmers work in harmony to product extremely clean, repeatable shock pulses exceeding leading military and industrial test standards including the Dell laboratory certification no. SV0313. The Model 95/115D is the ideal solution for testing mid-size to large products where pulse quality and system reliability are of critical importance. The Model 95/115D comes standard with Lansmont's TouchTest™ Shock II Control System which allows the operator full control over all shock test parameters and includes advanced features such as shock pulse predictor, auto-cycle for consecutive shock pulses, and a wide range of user programmability.

95/115D Features:

- Large table surface area make the 95/115D extremely versatile for larger products
- A wide range of shock pulses is possible with the Model 95/115D.
- Comes standard with a programming kit for meeting OEM certification requirements for Dell laboratory certification no. SV0313.
- Proven durability and reliability.
- The Model 95/115D utilizes hydro-pneumatic brakes which automatically engage in the event of power failure. The 95/115D also comes standard with one pressure sensitive safety mat.
- 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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Lansmont Corporation

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Model 95-115D Shock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Mounting Surface:	
Side to Side (between guide rods)	37.4 in. (95 cm)
Front to Back	45.3 in. (115 cm)
Height	No Restrictions
Table Weight	950 lbs. (431 kg)

PERFORMANCE	
Maximum Specimen Weight	1,000 lbs. (454 kg)*
Maximum Acceleration (bare table)	600 g
Minimum (bare table)	2 msec (half-sine)
Maximum (bare table)	26.6 ft/sec (8.1 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	135 in. (350.5 cm)
Side to Side	67 in. (170.2 cm)
Front to Back	65 in. (165.1 cm)
Weight	11,000 lbs. – 11,500 lbs. (4990 kg – 5216 kg)

UTILITIES	
Minimum Service Requirement (Electrical)	
Dual ½ Ton Capacity Hoists (Voltage / Frequency / Current):	200-240VAC/3Ø/50-60 Hz: 5 amp minimum (standard) 380-480VAC/3Ø/50-60 Hz: 3 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: 3 amp minimum 200-240VAC/1Ø/50-60 Hz: 3 amp minimum
Nitrogen	2,200 psi (152 bar)
Plant Air	90 psi (6.2 bar) with LIK option and/or low frequency suspension.
SHIPPING WEIGHT	13,000 lbs. – 13,500 lbs. (5987 kg – 6124 kg)

* Higher payloads possible. . . Contact Lansmont.

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.

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