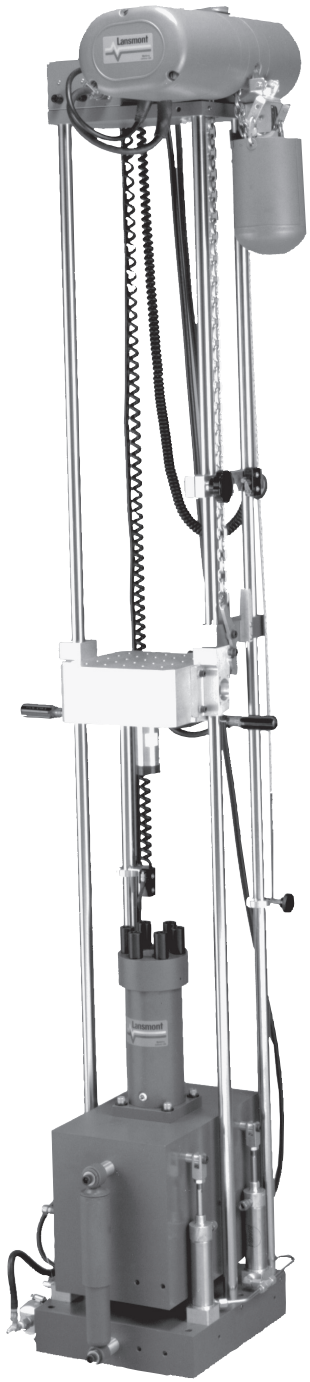
Model 23 Shock Test System

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

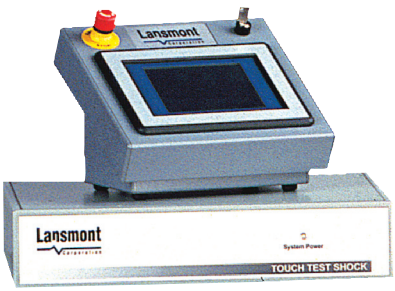
PERFORMANCE	
Maximum Specimen Weight	80 lbs. (23 kg)
Maximum Acceleration (bare table)	5,000 g
Minimum (bare table)	.25 msec* (half-sine)
Maximum (bare table)	24 – 32 ft/sec (7.3 – 9.7 m/sec)

* 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.

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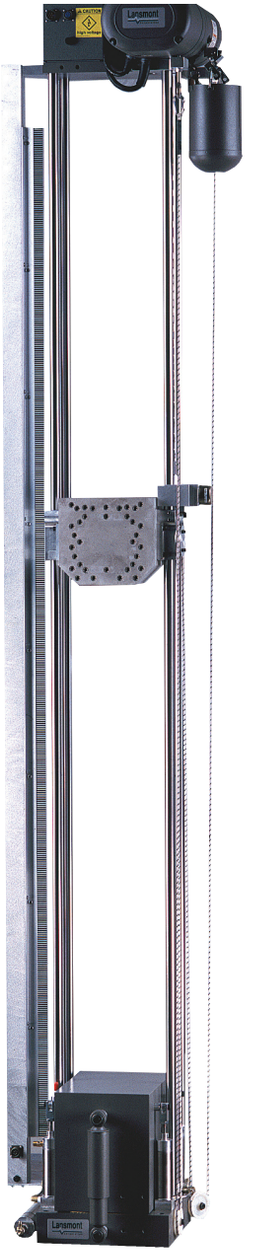
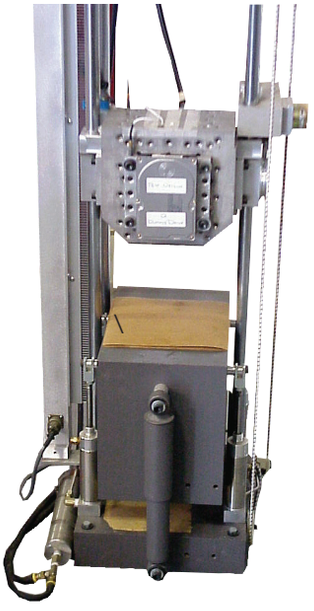
Model 23D Shock Test System



Lansmont's Model 23D Shock Test System is a high performance version of our Standard Model 23 Shock Test System. Through close cooperation with the world's leading computer manufacturers, Lansmont has modified the proven Model 23 Shock Test System design to meet the demanding computer industry shock testing requirements in general and Dell laboratory certification requirements in particular. In addition to shock testing computer storage drives, the Model 23D is ideal for analyzing the shock fragility of small handheld devices such as cell phones, PDAs, or pocket PCs. The Model 23D features an electronic hoist lifting system for easy table positioning and floating seismic reaction mass to isolate shock energy from transmitting to the surrounding laboratory space. The Model 23D is outfitted standard with Lansmont's TouchTest™ Shock II Control System.

Model 23D Features:

- Superior shock pulse quality- the Model 23D's unique magnesium shock carriage design can generate nearly ideal half-sine shock pulses.



- Comes standard with a programming kit for meeting OEM certification requirements for Dell laboratory certification no. SV0313.
- Two-faced Model 23D shock carriage incorporates a table hole pattern on both the top and front surfaces.
- Half-sine, sawtooth and trapezoidal shock pulse capabilities.
- Electric hoist for table position and seismic base impact surface that is on a low frequency, damped suspension system.
- 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 23D Shock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Mounting Surface	
Side to Side (between guide rods)	9.06 in. (23 cm)
Front to Back	6.0 in. (15.2 cm)
Table Weight	30 lbs. (13.6 kg)

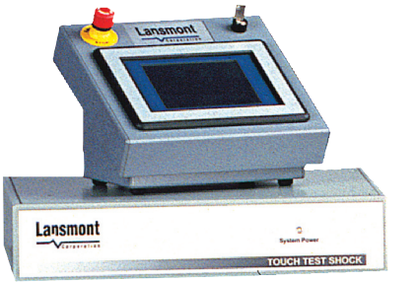
PERFORMANCE	
Maximum Specimen Weight	40 lbs. (18 kg)
Maximum Acceleration (bare table)	2000 g
Minimum (bare table)	.25 msec* (half-sine)
Maximum (bare table)	24 – 32 ft/sec (7.3 – 9.7 m/sec)

* 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.

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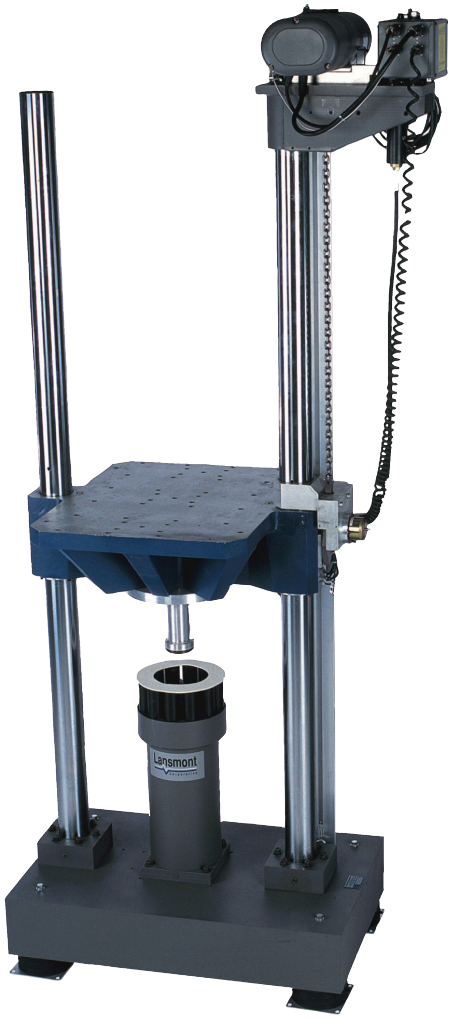
Model 65/81 Shock Test System

Lansmont's Model 65/81 offers the test engineer a wide range of performance, with its 25.6 in. x 31.9 in. (65 cm x 81 cm) cast aluminum table, 500 lbs. (227 kg) payload capacity, and peak half-sine acceleration of 600 g's. The Model 65/81 can be configured to perform half-sine, trapezoidal and terminal peak saw-tooth waveforms with minimum set-up times between pulses. The one-piece cast aluminum table, Damage Boundary Programmers, and integral seismic reaction mass work in harmony to produce extremely clean, repeatable shock pulses. The Model 65/81 is the ideal solution for testing small to mid-size products where pulse quality and system reliability are of critical importance. The Model 65/81 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.



65/81 Features:

- Extremely clean shock waveforms. The Model 65/81 meets or exceeds many industrial, military, and corporate shock testing standards and specifications.
- A wide range of shock pulses is possible with the Model 65/81.
- Repetitive Shock Mode automatically repeats a pulse up to 30,000 times.
- Proven durability and reliability.
- The Model 65/81 utilizes hydro-pneumatic brakes which automatically engage in the event of power failure. The 65/81 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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Model 65/81 Shock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Mounting Surface:	
Side to Side (between guide rods)	25.6 in. (65 cm)
Front to Back	31.9 in. (81 cm)
Height	No Restrictions
Table Weight	450 lbs. (204 kg)

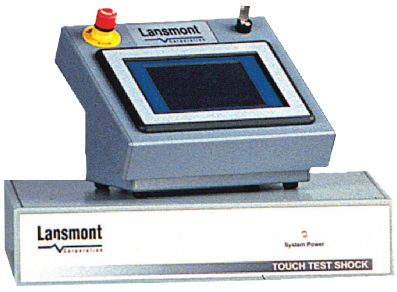
PERFORMANCE	
Maximum Specimen Weight	500 lbs. (227 kg)
Maximum Acceleration (bare table)	600 g
Minimum (bare table)	2 msec (half-sine)
Maximum (bare table)	24 ft/sec (7.3 m/sec) standard*

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	119 in. – 149 in. (303 cm – 379 cm)
Side to Side	59 in. (150 cm)
Front to Back	32 in. (81 cm) standard
Weight	5,200 lbs. – 6,000 lbs. (2359 kg – 2721 kg)

UTILITIES	
Minimum Service Requirement (Electrical)	
Hoist ½ Ton Capacity (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	7,000 lbs. – 8,000 lbs. (3175 kg – 3629 kg)

* Higher velocity changes 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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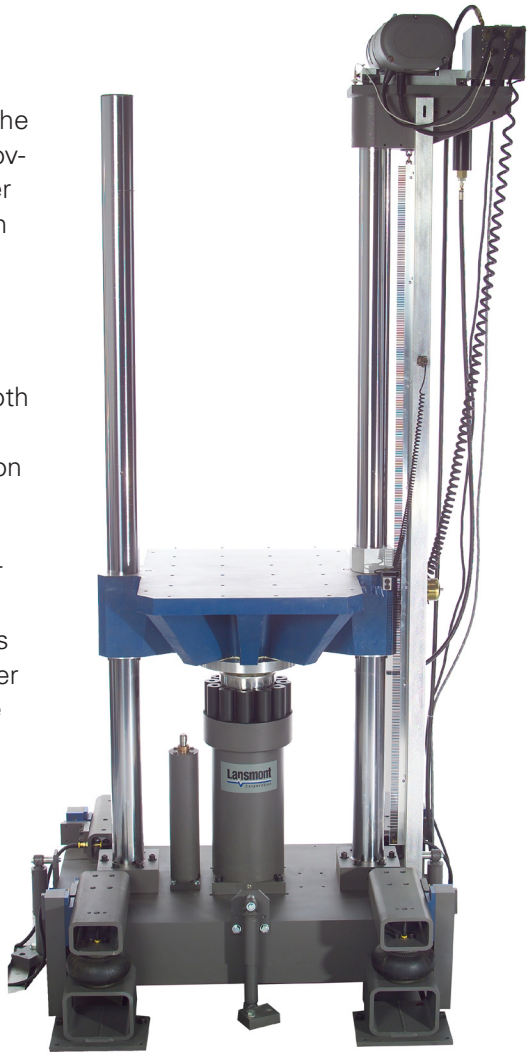
Model 65/81D Shock Test System



Lansmont's Model 65/81D Shock Test System is an enhanced version of our standard Model 65/81D Shock Test System. Through close cooperation with the world's leading computer manufacturers, Lansmont has preconfigured the proven Model 65/81D Shock Test System design to meet the demanding computer industry shock testing requirements in general and Dell laboratory certification in particular. The Model 65/81D offers the test engineer a wide range of performance with its 25.6 in. x 31.9 in. (65 cm x 81 cm) cast aluminum table, 500 lbs. (227 kg) payload capacity, and peak half-sine acceleration of 600 g's. The Model 65/81D comes preconfigured to perform half-sine and trapezoidal waveforms and can be optionally configured to perform terminal peak saw-tooth waveforms with minimum set-up times between pulses. The one piece cast aluminum table, Damage Boundary Programmers, and integral seismic reaction mass work in harmony to produce extremely clean, repeatable shock pulses exceeding leading military and industrial test standards including the Dell laboratory certification no. SV0313. The Model 65/81D is the ideal solution for testing small to mid-size products where pulse quality and system reliability are of critical importance. The Model 65/81D 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.

65/81D Features:

- Extremely clean shock waveforms. The Model 65/81D meets or exceeds leading industrial, military, and corporate shock testing standards and specifications and is specifically configured to meet the electronics and computer industry requirements.
- Comes standard with a programming kit for meeting OEM certification requirements for Dell laboratory certification no. SV0313.
- A wide range of shock pulses is possible with the Model 65/81D.
- Repetitive Shock Mode automatically repeats a pulse up to 30,000 times.
- Proven durability and reliability.
- The Model 65/81D utilizes hydro-pneumatic brakes which automatically engage in the event of a power failure. The 65/81D 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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Model 65/81 DShock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Mounting Surface:	
Side to Side (between guide rods)	25.6 in. (65 cm)
Front to Back	31.9 in. (81 cm)
Height	No Restrictions
Table Weight	450 lbs. (204 kg)

PERFORMANCE	
Maximum Specimen Weight	500 lbs. (227 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)

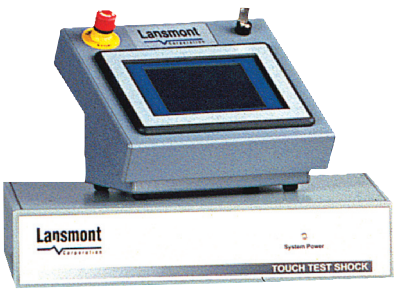
Note: Maximum Acceleration, Shock Pulse Duration and Velocity Change vary considerably depending on the table weight, specimen weight and programming material. The values listed are to be used as general guidelines only.

MACHINE SIZE	
Height	148 in. (375 cm)
Side to Side	67 in. (170 cm)
Front to Back	74 in. (188 cm)
Weight	5,200 lbs. – 6,000 lbs. (2359 kg – 2721 kg)

UTILITIES	
Minimum Service Requirement (Electrical)	
Hoist ½ Ton Capacity (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	7,000 lbs. – 8,000 lbs. (3175 kg – 3629 kg)

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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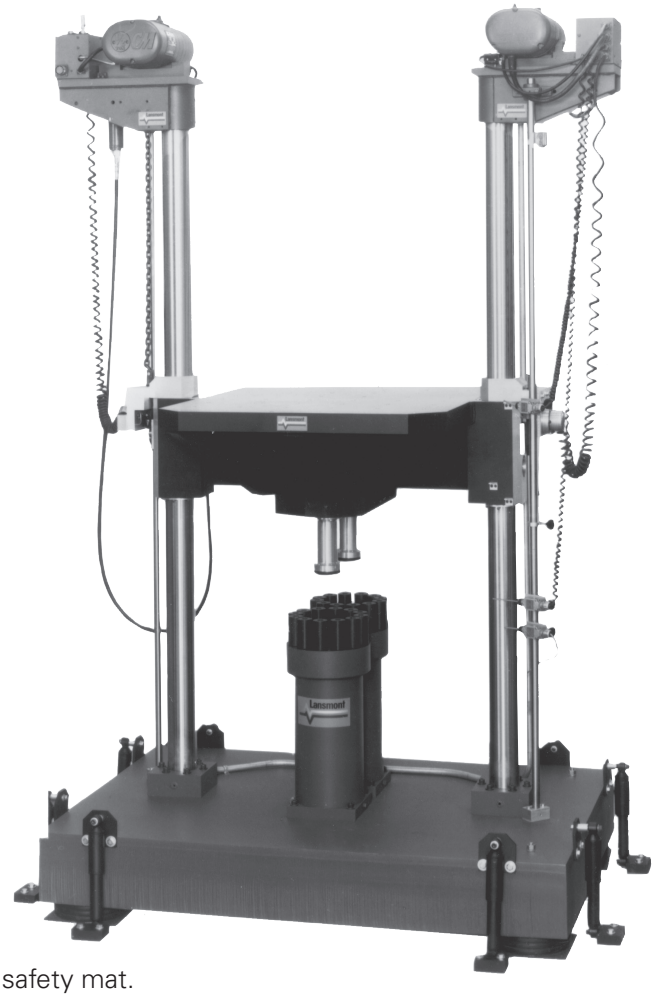
Model 95/115 Shock Test System

Lansmont's Model 95/115 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, up to 2,500 lbs. (1135 kg) payload capacity, and peak half-sine acceleration of 600 g's. The Model 95/115 can be configured to perform half-sine, trapezoidal and terminal peak saw-tooth waveforms with minimum set-up times between pulses. The one-piece cast aluminum table, Damage Boundary Programmers, and integral seismic reaction mass work in harmony to produce extremely clean, repeatable shock pulses. The Model 95/115 is the ideal solution for testing mid-size to large products where pulse quality and system reliability are of critical importance. The Model 95/115 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.



95/115 Features:

- Large payload capacity and table surface area make the 95/115 extremely versatile for larger products.
- A wide range of shock pulses is possible with the Model 95/115.
- Proven durability and reliability.
- The Model 95/115 utilizes hydro-pneumatic brakes which automatically engage in the event of power failure. The 95/115 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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Model 95/115 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)

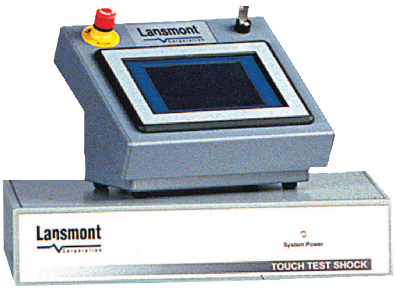
PERFORMANCE	
Maximum Specimen Weight	1,000 lbs. (454 kg) standard dual ½ ton hoists 2,500 lbs. (1135 kg) optional dual 1 ton hoists
Maximum Acceleration (bare table)	600 g
Minimum (bare table)	2.0 msec (half-sine)
Maximum (bare table)	24 ft./sec (7.3 m/sec)*

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	121 in. (307.5 cm)
Side to Side	78 in. (198 cm)
Front to Back	57.5 in. (146 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)
Dual 1 Ton Capacity Hoists (Voltage / Frequency / Current):	200-240VAC/3Ø/50-60 Hz: 8 amp minimum (standard) 380-480VAC/3Ø/50-60 Hz: 4 amp minimum (standard)
Controls: (Voltage / Frequency / Current):	100-120VAC/1Ø/50-60 Hz: 3 amp 200-240VAC/1Ø/50-60 Hz: 3 amp
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 velocity change available…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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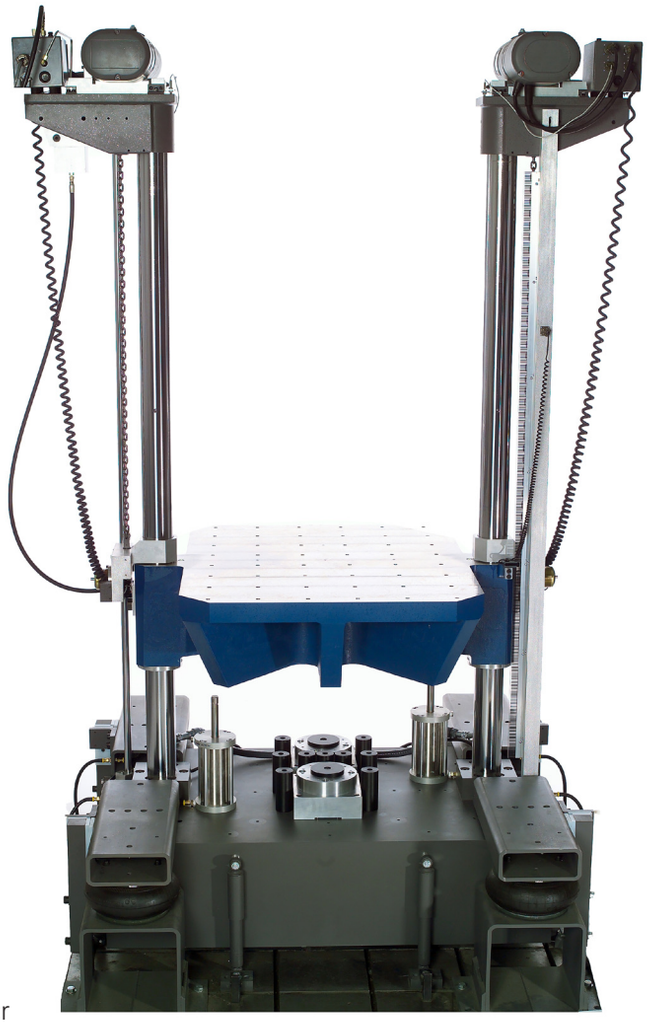
Test Equipment Solutions

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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Rev A_08_08

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.

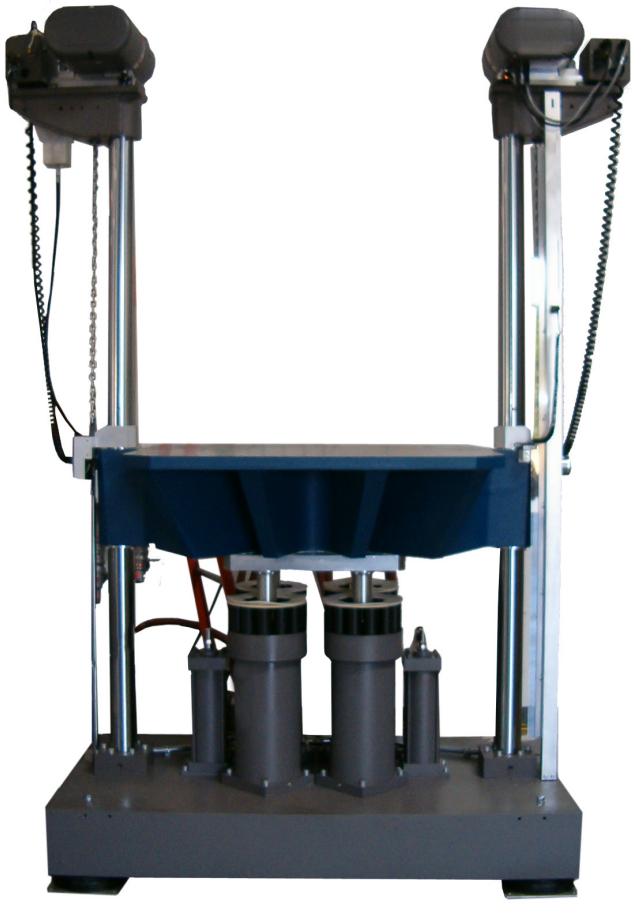
TouchTest™ Shock II Controls:

- 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.

Lansmont Corporation

Model 122 Shock Test System

Have a large product that simply won't fit on either the Model 65/81 or 95/115 but still requires all of their performance features? Lansmont's Model 122 shock test system offers the test engineer a system capable of half-sine shock accelerations up to 500 g's and payload capacities of 750 lbs.(340 kg) for the standard system and 2500 lbs. (1135 kg) for the heavy-duty system. The Model 122 shock test system's large table and payload capacity make it very versatile for testing larger products or multiple products mounted on the same table. The Model 122 can be configured to perform half-sine, trapezoidal and terminal peak saw-tooth waveforms with minimum set-up times between pulses. The welded aluminum table and integral seismic reaction mass work in harmony to produce clean, repeatable shock pulses. The Model 122 is the ideal solution for testing larger products where pulse quality and system reliability are of critical importance. The Model 122 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.



Model 122 Features:

- Large payload capacity and table surface area make the 122 extremely versatile for larger products.
- Two configurations available (standard and heavy-duty) for tailoring to specific test conditions.
- Four Damage Boundary Programmers insure clean waveforms.
- A range of shock pulses is possible with the Model 122.
- Proven durability and reliability.
- The Model 122's safety system utilizes hydro-pneumatic brakes which automatically engage in the event of power failure. The 122 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..

17 Mandeville Court, Monterey, CA 93940
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Model 122 Shock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Mounting Surface	
Side to Side (between guide rods)	48 in. (122 cm)
Front to Back	48 in. (122 cm)
Height	No Restrictions
Table Weight	1,450 lbs. (590 kg)

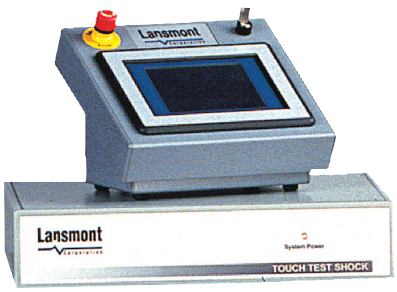
PERFORMANCE	
Maximum Specimen Weight	750 lbs. (340 kg) standard dual ½ ton hoists 2,500 lbs. (1135 kg) optional dual 1 ton hoists
Maximum Acceleration (bare table)	500 g
Minimum pulse duration (bare table)	2 msec* (half-sine)
Maximum velocity change (bare table)	20 ft/sec (6.1 m/sec)

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	120 in. (304.8 cm) standard version 129 in. (328 cm) heavy-duty version
Side to Side	84 in. (213 cm)
Front to Back	51 in. (130 cm)
Weight	11,500 lbs. – 12,000 lbs. (5216 kg – 5443 kg) standard version 18,500 lbs – 19,000 lbs (8392 kg – 8618 kg) heavy-duty version

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)
Dual 1 Ton Capacity Hoists (Voltage / Frequency / Current):	208-240VAC/3Ø/50-60 Hz: 8 amp minimum 380-480VAC/3Ø/50-60 Hz: 4 amp minimum
Controls: (Voltage / Frequency / Current):	100-120V/1Ø/50-60 Hz: 3 amp minimum 200-240V/1Ø/50-60 Hz: 3 amp minimum
Nitrogen (for squarewave programmers only)	2,200 psi (152 bar)
Plant Air	90 psi (6.2 bar) with LIK option and/or floating seismic base option.
SHIPPING WEIGHT	13,000 lbs. – 14,000 lbs. (5897 kg – 6350 kg) standard version 20,500 lbs – 21,500 lbs (9299 kg – 9752 kg) heavy-weight version

* Higher velocity change available…contact Lansmont



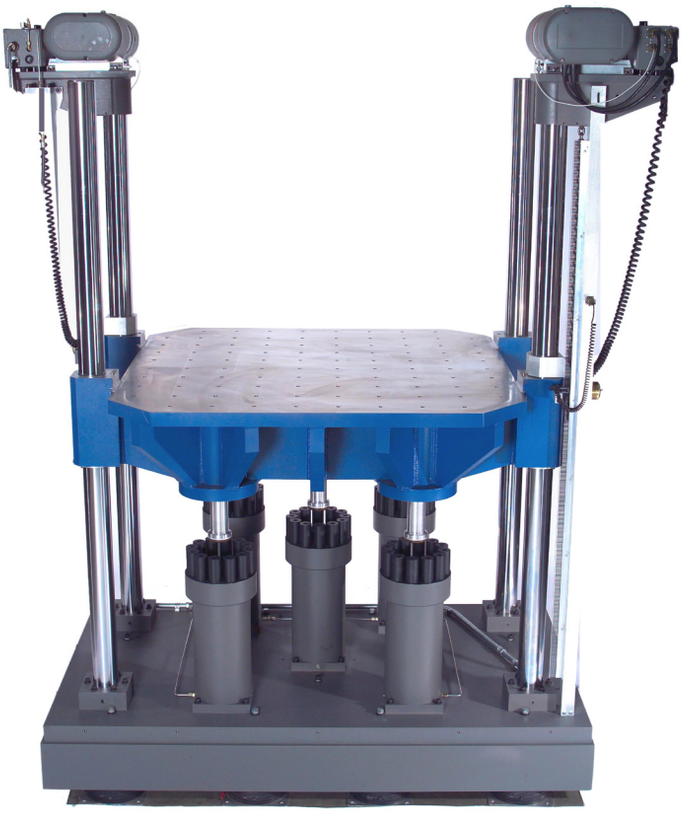
TouchTest™ Shock II Controls:

- 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.

Lansmont Corporation

Model 152 Shock Test System

The Model 152 shock test system is the largest standard machine in Lansmont's product line-up. The Model 152 shock test system offers the test engineer a system capable of half-sine shock accelerations to 400 g's and payload capacities of 2,000 lbs. (907 kg). The Model 152 shock test system's large 60 in. x 60 in. table (152 cm x 152 cm) and payload capacity make it versitile for testing very large products or multiple products mounted on the same table. The one-piece aluminum table, Damage Boundary Programmers, and integral seismic reaction mass work in harmony to produce clean, repeatable shock pulses. The Model 152 is the ideal solution for testing large products where pulse quality and consistency are required for damage-boundary type testing. The Model 152 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.



Model 152 Features:

- Large payload capacity and table surface area make the 152 extremely versatile for larger products.
- Four precision guide-rods and five Damage Boundary Programmers insure clean waveforms.
- A wide range of shock pulses is possible with the Model 152.
- Proven durability and reliability.
- The Model 152's safety system utilizes hydro-pneumatic brakes which automatically engage in the event of power failure. The 152 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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Model 152 Shock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Mounting Surface	
Side to Side (between guide rods)	60 in. (152 cm)
Front to Back	60 in. (152 cm)
Height	No Restrictions
Table Weight	2,300 lbs. (1043 kg)

PERFORMANCE	
Maximum Specimen Weight	2,000 lbs. (907 kg)
Maximum Acceleration (bare table)	400 g
Minimum pulse duration (bare table)	2.5 msec* (half-sine)
Maximum velocity change (bare table)	20 ft/sec (6.1 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 guidelines only.

MACHINE SIZE	
Height	125 in. (317.5 cm)
Side to Side	100.3 in. (255 cm)
Front to Back	61 in. (155 cm)
Weight	18,600 lbs (8437 kg)

UTILITIES	
Minimum Service Requirement (Electrical)	
Dual 1 Ton Capacity Hoists : (Voltage / Frequency / Current):	200-240VAC/3Ø/50-60 Hz: 8 amp minimum 380-480VAC/3Ø/50-60 Hz: 4 amp minimum
Controls: (Voltage / Frequency / Current):	100-120VAC/1Ø/50-60 Hz: 3 amp minimum 200-240VAC/1Ø/50-60 Hz: 3 amp minimum
Nitrogen (for squarewave programmers only)	2,200 psi (152 bar)
Plant Air	90 psi (6.2 bar) with LIK option and/or low frequency suspension.
SHIPPING WEIGHT	20,500 lbs (9300 kg)

* Higher velocity change available…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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