

## Models P15 - P30 Shock Test Systems

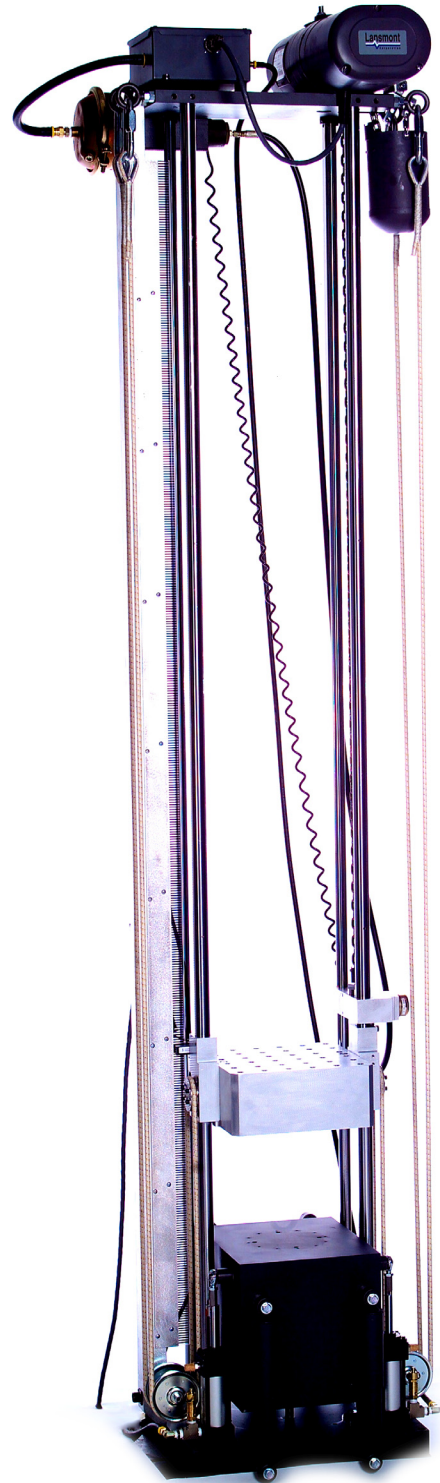
### Performance Series

Lansmont's Models P15 - P30 Performance Series Shock Test Systems are designed to deliver increased performance as compared to our standard shock test systems, while allowing flexibility in selectable test system table size.

### P15 - P30 Features:

- Selectable table widths ranging from 5.9 inches to 11.8 inches (15 cm – 30 cm).
- Selectable table depths (front to back) ranging from 4 inches to 16 inches (10.1 cm - 40.6 cm).
- Velocity change capabilities ranging from 20 ft/sec to 55 ft/sec (6.1 m/sec to 16.8 m/sec) [velocity change varies with table size, specimen weight and machine height].
- Peak acceleration of 5,000 g (up to 10,000 g on custom orders).
- Amplified air-to-oil braking system; providing superior braking performance.
- Normal plant/facility compressed air for braking; no nitrogen required.
- 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 P15 - P30 Shock Test Systems deliver increased performance while demonstrating yet again our unsurpassed ability to deliver the cleanest, high-fidelity programmable shock pulses on the planet!



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Corporation

# Models P15 - P30 Shock Test Systems

Performance Series

## TECHNICAL SPECIFICATIONS

| PHYSICAL                                |                                    |
|---|------------------------------------|
| Maximum Specimen Weight                 | 110 lbs. (50 kg)                   |
| Table Mounting Surface:                 |                                    |
| Side to Side Range (between guide rods) | 5.9 in. - 11.8 in. (15 cm - 30 cm) |
| Front to Back Range                     | 4 in. - 16 in. (10.1 cm - 40.6 cm) |

| PERFORMANCE                             |   |
|---|---|
| Maximum Acceleration (bare table)       | 2,000 - 3,000 g (Bare Table), standard height<br>3,000 - 4,000* g, 2 foot extended<br>3,500 - 4,500* g, standard height, acceleration kit<br>4,000 - 5,000* g, 2 foot extended height, acceleration kit   |
| Shock Pulse Duration Range (bare table) | 0.2 msec - 30 msec  |
| Velocity Change (Bare Table)            | $\Delta V = 20 - 22$ ft. / sec (6.1 - 6.7 m / sec), standard height<br>$\Delta V = 24 - 26$ ft. / sec (7.3 - 7.9 m / sec), 2 foot extended height<br>$\Delta V = 30 - 45$ ft. / sec (9.1 - 13.7 m / sec), standard height, acceleration kit<br>$\Delta V = 35 - 55$ ft. / sec (10.7 - 16.8 m / sec), 2 foot extended height, acceleration kit |

\* 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        | 98 in. (249 cm) [standard height], 122 in. (310 cm) [2 foot extended height] |
| Side to Side  | 30 in. (75cm) max.   |
| Front to Back | 33 in. (85 cm) max.  |
| Weight        | 900 lbs. - 1500 lbs (408 kg - 680 kg)**                                      |

| UTILITIES                                      |  |
|--|--|
| Minimum Service Requirement (Electrical)       |  |
| Controls: Voltage / Phase / Frquency / Current | 100 - 120 VAC / 1Ø / 50 Hz - 60 Hz / 1 ampere minimum<br>200 - 240 VAC / 1Ø / 50 Hz - 60 Hz / 1 ampere minimum   |
| Hoist: Voltage / Phase / Frequency / Current   | 110 - 120 VAC / 1Ø / 50 Hz - 60 Hz / 15 amperes minimum<br>220 - 240 VAC / 1Ø / 50 Hz - 60 Hz / 10 amperes minimum<br>200 - 240 VAC / 3Ø / 50 Hz - 60 Hz / 4 amperes minimum (standard)<br>380 - 480 VAC / 3Ø / 50 Hz - 60 Hz / 2 amperes minimum (standard) |
| Plant Air (Brakes)                             | Normal plant/facility compressed air for braking; no nitrogen required.  |

|                 |  |
|-----------------|--|
| SHIPPING WEIGHT | 1,300 lbs. - 2,200 lbs. (590 kg - 1000 kg)** |
|-----------------|--|

\* Higher acceleration levels are 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 Data Acquisition and Analysis System for the most advanced shock analysis ever.

