

QR-3000 Quick Release Drop Tester

Lansmont's QR-3000 series drop tester is designed to simulate the drops and mechanical hazards that occur in distribution. It is especially suited to very large, heavy payloads which cannot be tested on conventional drop test machines. The QR-3000 can perform repeatable free-fall drops (flat, edge, and corner) on packages of virtually any size and shape.

The QR-3000 consists of a quick-release mechanism, lifting ring, and foot-switch for initiating the drop. Straps wrapped around the test item form a sling that is attached to the lifting ring, which is placed in the jaws of the quick-release mechanism. The quick-release mechanism and package are then lifted to a pre-determined height by a fork-lift, winch, or other lifting device (not included). The foot-switch activates a solenoid in the drop mechanism, causing the latch jaws to open and the package to fall.

The QR-3000 was designed to provide maximum reliability and safety. It will safely hold the test load if there is a loss of power or someone inadvertently pulls out the wall plug. In addition, the foot-switch is protected inside a metal guard enclosure to avoid accidental activation of the switch. If you are testing large, heavy, or unconventional packages, the QR-3000 may be the perfect solution.



QR-3000 Features:

- High-strength aluminum construction for durability and ruggedness.
- Heavy duty industrial solenoid designed for quiet operation and long life.
- Positive locking design will not release load in the event of power loss.
- Latch jaws and linkage have self-lubricating, low friction bearings.
- Forged steel eye-bolt provides convenient lifting point.
- Foot-switch assembly detaches from unit for convenient set-up and storage.
- Worldwide Customer Service department.

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TECHNICAL SPECIFICATIONS

Weight Capacity	25 Lbs. (11 kg) – 3,000 Lbs. (1,361 kg)
Utilities:	
Voltage	100 – 240 VAC
Frequency	50 Hz – 60 Hz
Lifting Device	Customer Supplied
Weight of QR-3000	22 Lbs. (10 kg)

