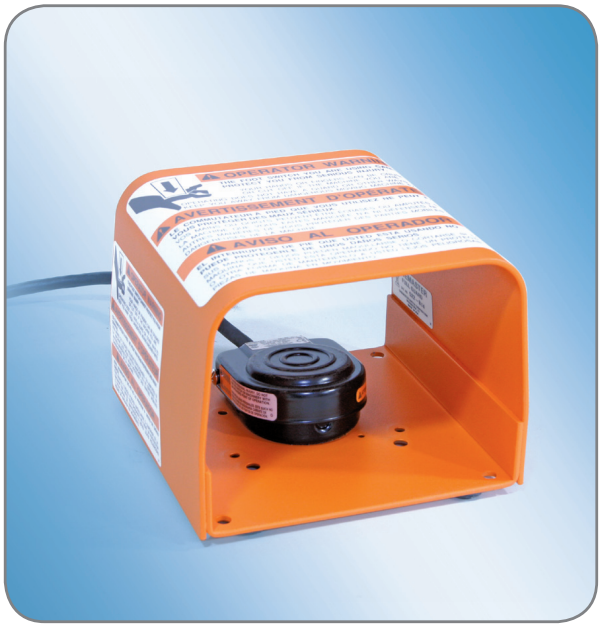
QR 3000
Quick Release Drop Tester

Lansmont Field-to-Lab®

The transport and distribution environment holds numerous opportunities for packages to experience impacts and/or drops. As a result, shock is transmitted both into, and throughout, a given package. The products within the packaging respond to both the amplitude and frequency characteristics of the shock. How the various packaging components mitigate that shock determines how much shock is transmitted into the product held within. Lansmont Drop Test Systems are used to perform pre-shipment testing in an effort to design and verify cost-effective, optimized protective packaging solutions.

PERFORMANCE SPECIFICATIONS	
Weight Capacity:	25 – 3000 lbs. (11 – 1361 kg)
Utilities:	Voltage 100 – 240 VAC
Frequency:	50 Hz – 60 Hz
Lifting Device:	Customer Supplied
Weight of QR–3000:	22 Lbs. (10 kg)



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Lansmont's QR 3000 drop tester simulates the drops and impacts 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 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 forklift, 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 is reliable and safe. It will securely hold the test load if there is any loss of power. 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.

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