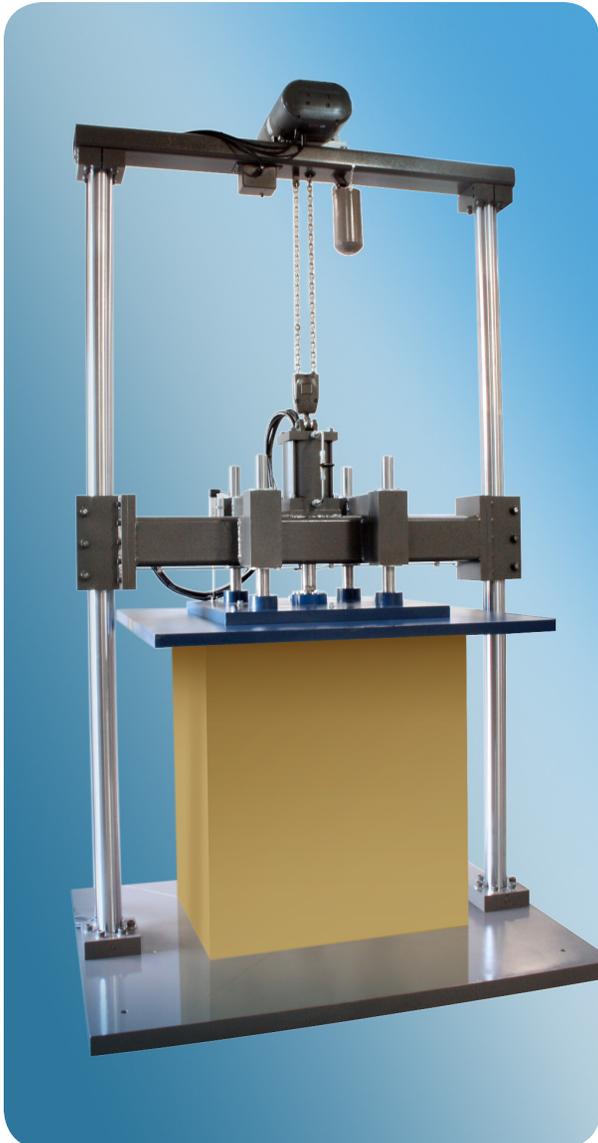




152 Compression Tester



Severe compressive forces occur when packaged-products are stacked during transit or storage. To evaluate the performance of packages, components, and materials under such loads, Lansmont offers a full line of Compression Testers. Lansmont Compression Testers comply with industry standard package testing specifications including ASTM, ISTA, ISO, and MIL-STD.

PERFORMANCE SPECIFICATIONS

Maximum Package Dimensions:

Length 60 in. (152 cm)
Width 60 in. (152 cm)
Height 84 in. (213 cm)

Contact Lansmont for larger configurations.

Verified Force Range:

152-30K **152-50K**
3,000 - 30,000 lbs. 5,000 - 50,000 lbs.
(13.3 - 133 kN) (22.2 - 222 kN)

Contact Lansmont for extended range options.

Positioning Speeds:

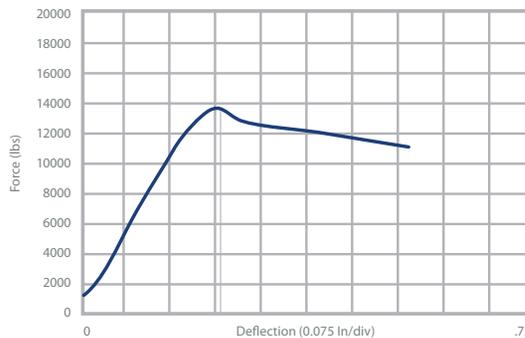
Cross-head 16 ft./min. (4.88 m/min.)
Test speed 0.5 in./min. (1.27 cm/min.)

Testing Modes:

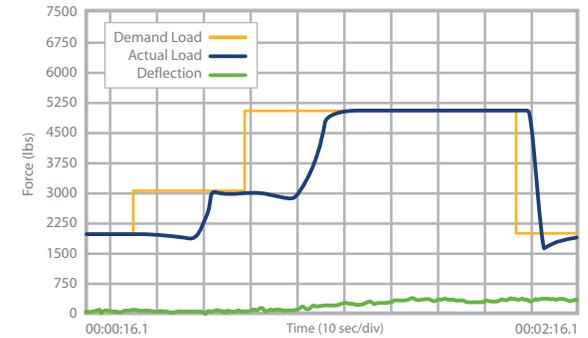
Constant deflection rate
Ramp to load and release
Load profile simulation
Deflection profile simulation

TEST PROFILES

Constant rate test profile



Constant load test profile

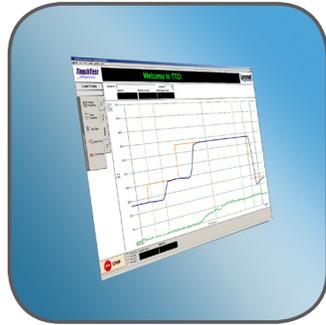




152 Compression Tester



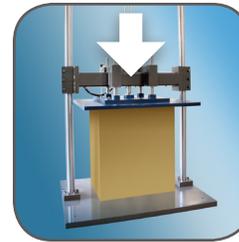
FEATURES



TouchTest Compression 3 Controller:

The intuitive TTC3™ control software integrates the machine control functions with the data capture, analysis, and reporting features. TTC3™ allows users to export test data to Windows™ applications. Networking features allow quick and easy transmission of

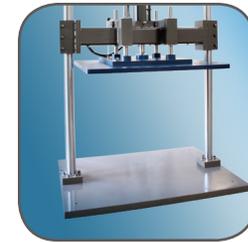
test results via e-mail. TTC3™ has a full range of testing capabilities including Constant Deflection Rate, Ramp to Load and Release, Stacking Simulation, and Deflection profile compression tests.



Top Load Design:

Our "Top Load" machine design applies the compression force from above during compression testing, providing a more

realistic simulation of the compressive loads that packaging experiences when stacked.

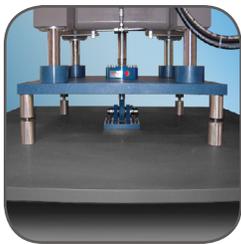


Low Profile Baseplate:

The compression system baseplate has a low profile for added convenience and safety when loading or unloading

large packages or unitized loads during testing.

OPTIONS



Fixed/Floating Platen:

The Fixed/Floating platen option gives you increased flexibility in your testing applications. In the floating

orientation, the platen is free to swivel during testing via a "monoball" bearing. In the fixed orientation, adjustable limit stops are used to lock out the lower platen so it is in a fixed orientation during testing.



Package Test Stands:

To make testing single packages on a large compression tester more convenient, we offer package tests stands.

These heavy duty steel tables can be placed on the machine baseplate to make the "base" surface a more convenient height for the user.



Low Range Load Platform:

For testing applications that utilize the lower end of the force range, we offer Low Range Load Platforms. These

precision recording structures more accurately measure compressive forces on smaller packages.



Temperature/Relative Humidity Sensor:

The optional probe mounts to the back of the Squeezer near to where test specimens sit during

testing. The sensor can effectively measure in a 0 – 100°F temperature and 0 – 100% relative humidity range.



152 Compression Tester



APPLICATIONS

Many variables affect the compression performance of your packaging. How many boxes will be in a unit load and how will we stack them? Will our packages be shipped on pallets? What happens if boxes overhang the pallet? How does the climate influence the stacking performance? These are important questions to consider when designing your packaging. Lansmont Compression Test Systems allow you to evaluate how your packaging designs “stack up” to compressive loads and environmental conditions.



Testing a Unit Load
Lansmont’s Model 152 Compression Tester is specifically designed to efficiently and accurately evaluate the performance of unit loads under compressive forces.



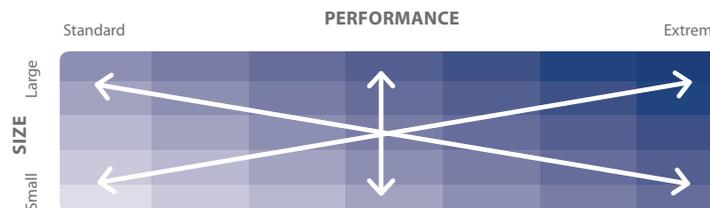
Testing Individual Packages
For testing smaller items such as individual packages, an optional package test stand can be used with the Model 152. A Low Range Load Platform is another useful option for accurately evaluating low level force inputs.



Climatized Testing
Temperature and relative humidity can greatly impact compression performance of your packaging designs. To replicate these conditions during testing, Lansmont Compression Test Systems can be installed inside a climate-controlled space.

MADE TO ORDER

Not quite the equipment size or performance level that you need? If we do not already manufacture the test machine ideally suited for your company’s testing applications, our engineering team can custom design a test system specific to your needs.





152 Compression Tester



SPECIFICATIONS

UTILITIES	152-30K	152-50K
Power -		
Standard voltages:	115-220 VAC	115-220 VAC
	1 phase	1 phase
	50-60 Hz.	50-60 Hz.
	15-30 amps	15-30 amps

MACHINE DIMENSIONS (standard machine)

Height:	146 in. (371 cm)	146 in. (371 cm)
Width:	80 in. (203 cm)	80 in. (203 cm)
Length:	60 in. (152 cm)	60 in. (152 cm)

PACKAGE TEST STAND DIMENSIONS

Sizes (width x length): 24 x 24 in. (61 x 61 cm)
 30 x 30 in. (76 x 76 cm)
 36 x 36 in. (91 x 91 cm)

All test stands are 30 in. (76 cm) tall.

CRATE INFORMATION (standard machine)

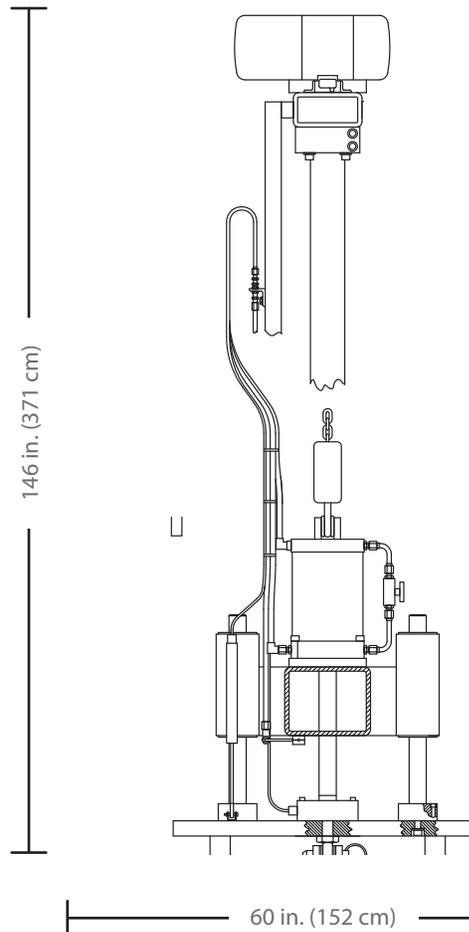
Height:	84 in. (213.4 cm)	84 in. (213.4 cm)
Width:	89 in. (226.1 cm)	89 in. (226.1 cm)
Length:	192 in. (487.7 cm)	192 in. (487.7 cm)

WEIGHTS

Gross weight	9,000 lbs. (4082 kg)	9,500 lbs. (4309 kg)
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SYSTEM DRAWINGS – STANDARD CONFIGURATION

SIDE VIEW



FRONT VIEW

