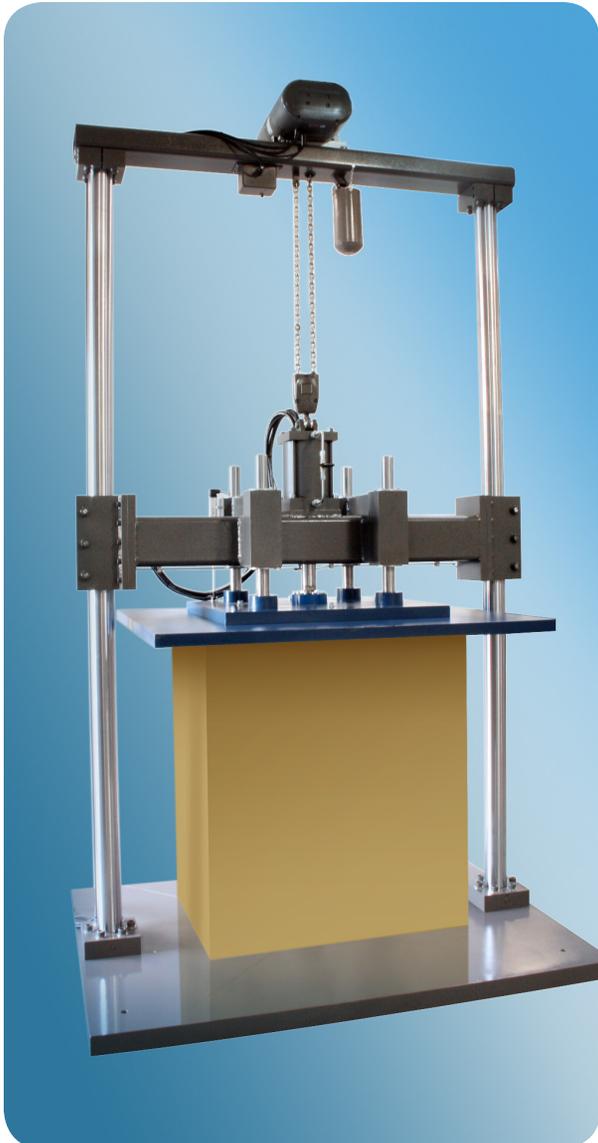




# 152 Compression Tester



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:

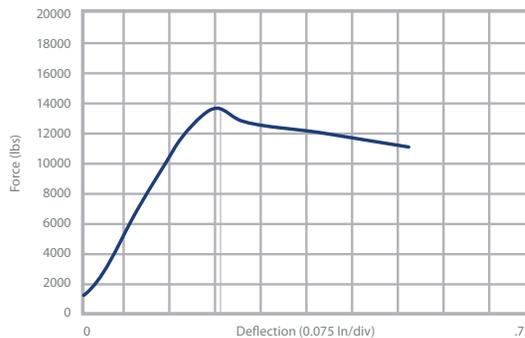
Cross-head 16 ft./min.  
(4.88 m/min.)  
Test speed 0.5 in./min.  
(1.27 cm/min.)

### Testing Modes:

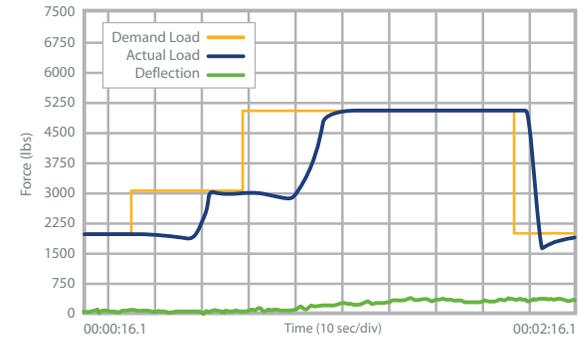
Constant deflection rate  
Ramp to load and release  
Load profile simulation  
Deflection profile simulation

## TEST PROFILES

Constant rate test profile



Constant load test profile

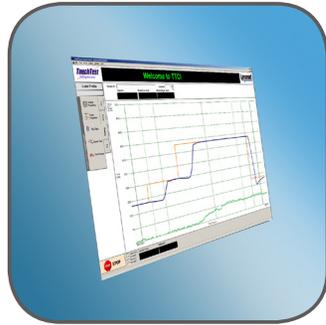




# 152 Compression Tester



## 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



## SPECIFICATIONS

UTILITIES	152-30K	152-50K
<b>Power -</b>		
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)

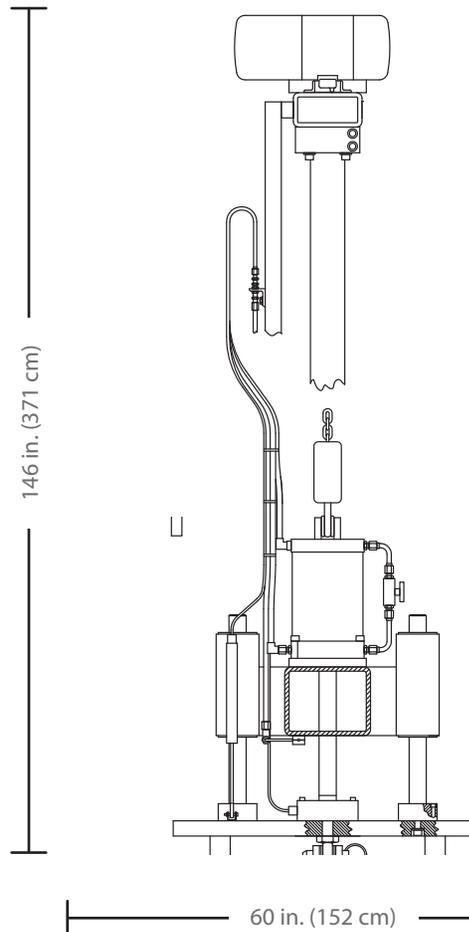
Height:	84 in. (213.4 cm)	84 in. (213.4 cm)
Width:	89 in. (226.1 cm)	89 in. (226.1 cm)
Length:	192 in. (487.7 cm)	192 in. (487.7 cm)

## 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

