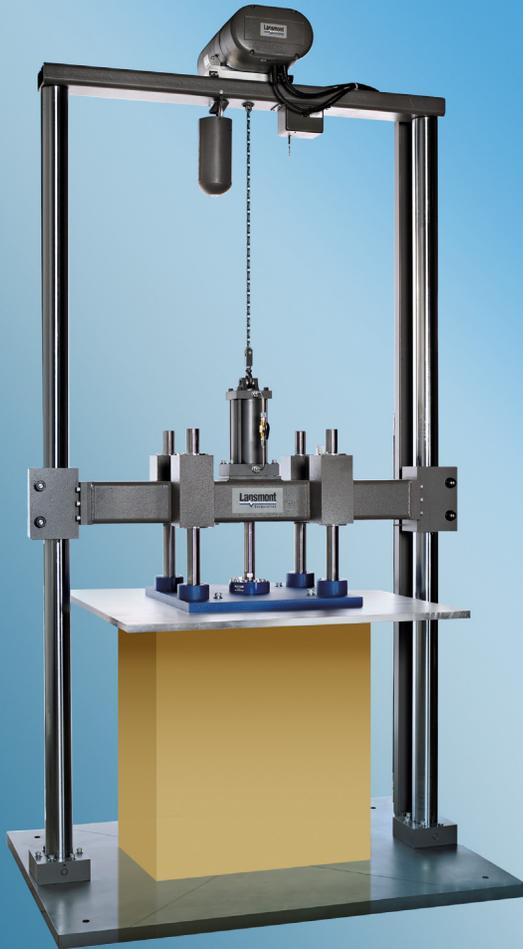




# 122-15 Compression Tester



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 48 in. (122 cm)  
Width 48 in. (122 cm)  
Height 78 in. (198 cm)

Contact Lansmont for larger configurations.

### Verified Force Range:

1,500 - 15,000 lbs.  
(6.67 - 66.7 kN)

Contact Lansmont for extended range options.

### Positioning Speeds:

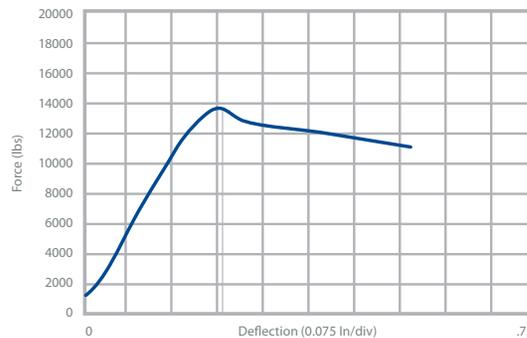
Cross-head 16 ft./min.  
(4.88 m/min.)  
Test speed 0.5 in./min.  
(1.27 cm/min.)

### Testing Modes:

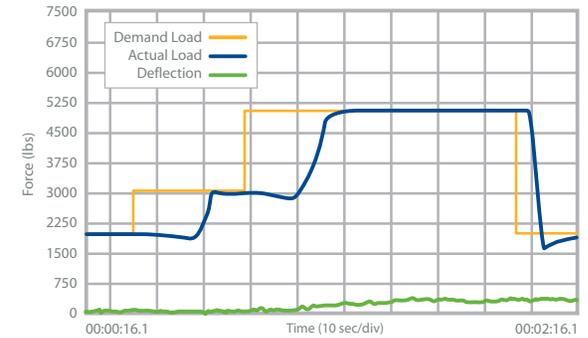
Constant deflection rate  
Ramp to load and release  
Load profile simulation  
Deflection profile simulation

## TEST PROFILES

Constant rate test profile



Constant load test profile





# 122-15 Compression Tester



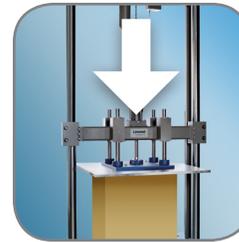
## FEATURES



### 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

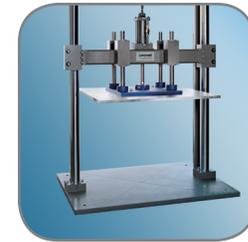
test results via e-mail. TTC3™ has a full range of testing capabilities including Constant Deflection Rate, Ramp to Load and Release, Stacking Simulation, and Deflection profile compression tests.



### 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.

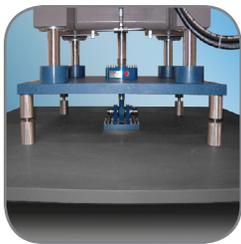


### Low Profile Baseplate:

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

large packages or unitized loads during testing.

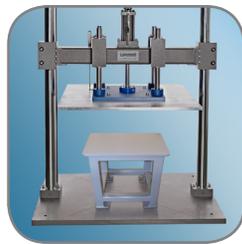
## OPTIONS



### 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.



# 122-15 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 122-15 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 122-15. A Low Range Load Platform is another useful option for accurately evaluating low level force inputs.

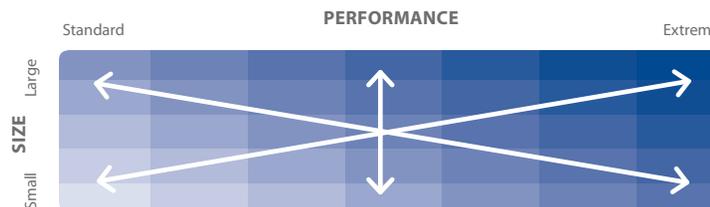


### Climatized Testing

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.





# 122-15 Compression Tester

**Lansmont**  
**Field-to-Lab®**

## SPECIFICATIONS

### UTILITIES

#### Power -

Standard voltages:	110 VAC - 1 phase - 60 Hz. (20 amps) 220 VAC - 1 phase - 50 Hz. (10 amps)
Optional Voltage:	220 VAC - 1 phase - 60 Hz. (10 amps)

### MACHINE DIMENSIONS (standard machine)

Height:	125.5 in. (319 cm)
Width:	66 in. (168 cm)
Length:	48 in. (122 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)

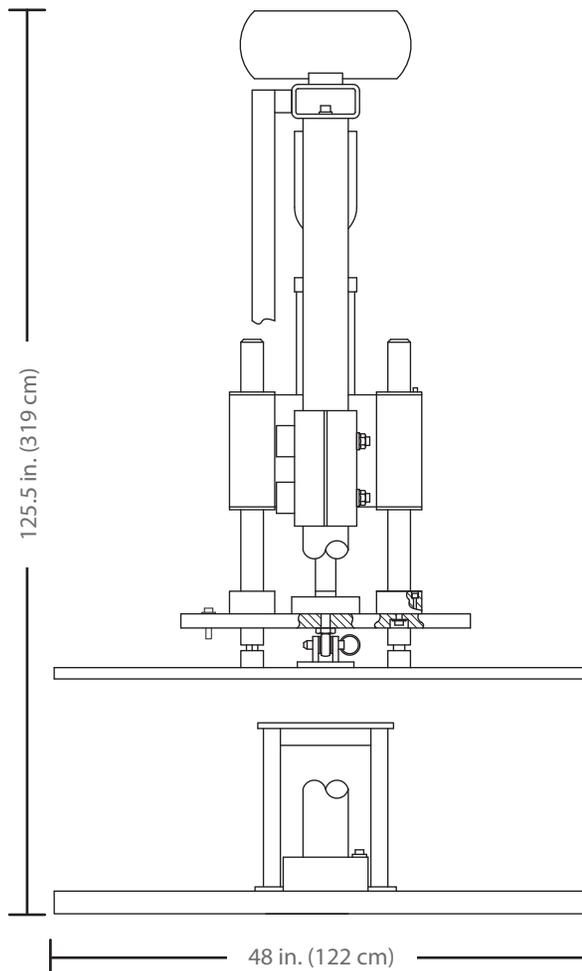
Height:	74 in. (188 cm)
Width:	75 in. (190.5 cm)
Length:	169 in. (429 cm)

### WEIGHTS

Gross weight	8500 lbs. (3855 kg)
Net weight	6775 lbs. (3073 kg)

## SYSTEM DRAWINGS - STANDARD CONFIGURATION

### SIDE VIEW



### FRONT VIEW

