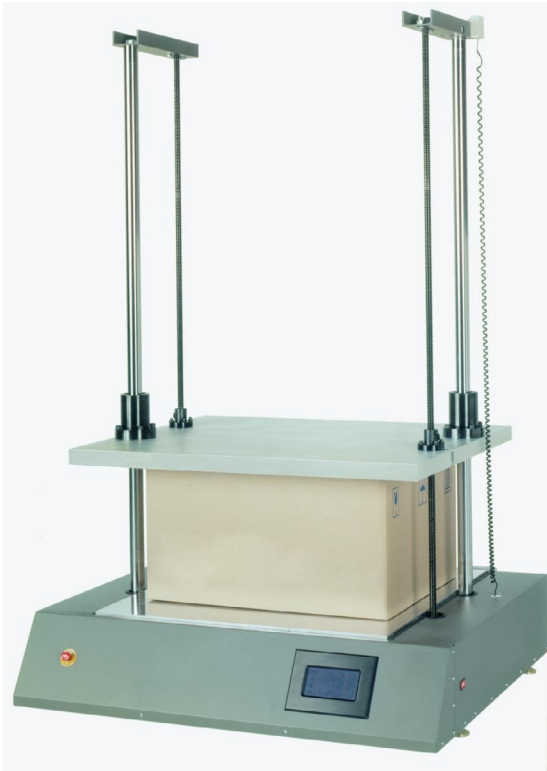


BOX COMPRESSION TESTER 22kN

17-50-00



The Box Compression Tester provides the most accurate means of determining the top-to-bottom strength of packages. This system is specifically designed to quantify box performance so that the effect of various board mediums, closures and interior partitions can be factually compared by means of "Load Sharing" analysis. Production line variations can be easily benchmarked against design standards. The tester is easy to operate because standard test routines are fully automated.

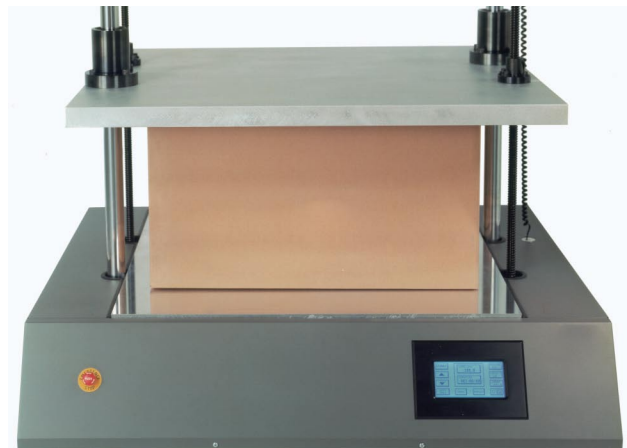
Applications

Packaging, Corrugated Boxes and Cartons

Evaluate package design and determine load ratings!

Machine Features

- Max Load Capacity 22kN (2268 kg, 5000 lb)
- Units of compression may be selected in N, kgf or lbf
- Touch screen user interface eliminates operator keyboard errors.
- Real-time display of test data: force, deflection, temperature, humidity, and peak values gives operator exact status
- Auto loading range is 250 lb to 5000 lb (113.4 kg to 2,268 kg)
- Automated constant rate and constant load routines for standard industry test protocols ensure test repeatability
- Completely self-contained design eliminates cable and hose entanglements
- Serial port enables data export to SPC or other database systems for integration with other test attributes



Integrated Touch Screen Display

SPECIFICATIONS

Model AT	17-50-00-0001		
Max load capacity	22 kN (2268 kg, 5000 lb)	Max load opening	1232mm (48.5 in)
Platen Speed	2.5 to 13.0 mm/min (0.1 to 0.51 in/min)	Drive System	Electric motor with ball screws and self lubricating bearings
Platen size	760 x 760 mm (30 in x 30 in)	System	LCD Touchscreen integrated in base
Accuracy	Better than 1% of reading	Load Range	113.4 kg to 2,268 kg (250 to 5,000 lb)
Resolution		Temperature Accuracy	+/-0.36 °F (+/- 0.2 °C)
<312.5 lbs	0.076 lbs (0.3N)	Temperature Range	-4 ° to 176 °F (-20 ° to 80 °C)
312.5 to 625 lbs	0.153 lbs (0.7kN)	Humidity Range	0 to 100%
625 to 1,250 lbs	0.305 lbs (1.4 kN)	Humidity Accuracy	+/- 3% RH
1,250 to 2,500 lbs	0.610 lbs (2.7 kN)	Force Type	Balanced Temp, Compensated Load Cell
2,500 to 5,000 lbs	1.220 lbs. (5.4 kN)	Displacement Type	Digital Rotary Encoder
Electrical supply	110 VAC, single phase, 10 Amps, 60 Hz or 220 VAC, single phase, 5 Amps, 50Hz	Overall dimensions W x D x H without Stand	1079 mm x 929 mm x 1702 mm 42.5 in x 36.6 in x 67 in
Weight	329 kg (725 lbs) without Stand 454 kg (1,000 lbs) with Stand	Overall dimensions W x D x H with Stand	1079 mm x 929 mm x 2425 mm 42.5 in x 36.6 in x 95.5 in
Safety Provisions	EPO Emergency stop button, platen overtravel, platen lock detector, 24 volt control voltage, CE Compliant		
Standards	ASTM E4, ATSM D642, ISTA, D4169, D4577, TAPPI T804, Federal 101, NMFC item 180, DOT rule 181, UN Orange, ISO 2872 and ISO 874		



CONTROL MODES

Constant Rate Test	Auto Home, Pre-load, Yield, Stop Force, Tare, Up/Down, Auto Open, Start/Stop, Graph, Peak, Hold, Export
Constant Load Test	Force level, Test Duration, Auto Home, Pre-load, Yield, Creep, Auto Tare, Up/Down, Auto Open, Start/Stop, Graph, Export
Utilities	Time, Date, Metric/English, Units, Test Speed, Display contrast, Password Administration
Calibration	ASTM E4 calibration table, Sensor calibration parameters
Data output	Serial Port

OPTIONS

Small Test Stand 1080 mm x 762 mm x 762 mm (42.5 in x 30 in x 30 in)
Large Test Stand 1840 mm x 762 mm x 762 mm (72.5 in x 30 in x 30 in)
Temperature & Humidity Sensor
Thermal Printer
Extended Platen 762 mm x 1100 mm (30 in x 44 in)
Fixed/Floating Platen

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