

BOX COMPRESSION TESTER 25kN

17-40-00 AT MODEL



Box Compression Tester model AT with integrated PC with touch screen control and software dedicated to testing corrugated board boxes and cartons.

Machine Features

- Max Load Capacity 25kN (2549 kg, 5620 lb)
- Units of compression may be selected in N, kgf or lbf
- Four averaging load cells
- Load cell accuracy better than 0.5% of indicated value
- Repeatability and reproducibility is ensured by the use of four guide columns maintaining platen parallelism
- RS232 serial data output
- Auto loading range is 40 N to 25kN and boxes up to 1m³ can be accommodated
- Speed Range is digitally selected from 0.1 mm/min to 500 mm/min
- Cycling between preset loads or extension limits may be conducted.
- Test modes: Constant Deflection and Constant Load
- Applications in Corrugated boxes and Cartons
- Integrated industrial PC with touch-screen

The Box Compression Tester is a four column, heavy duty tester designed to determine the compressive forces which a transport case is subjected-either in transit or stacked in a warehouse. Boxes can be tested to complete collapse or held automatically at pre-determined load for a given period to evaluate stacking loads.

The construction of the tester is rigid moving platen driven by 4 recirculating ballscrews Platen parallelism better than 1:4000. Load readings are taken from an average of 4 balanced load cells to compensate for the effect of any off centre loading.

SPECIFICATIONS

Model AT	17-40-00-0001		
Max load capacity	25 kN (2549 kg, 5620 lb)	Max Stroke	1000 mm
Speed range	0.1 to 500 mm/min	Number of Columns	4
Platen size	1000 x 1000 mm	Electrical supply	110,120,220,240v 1ph, 50 or 60 Hz
Accuracy	BS EN ISO 7500:1 Grade 1	Weight	820 kg (1808 lbs)
Load Range	40 N to 25kN (4 kg to 2549 kg) (9 lb to 5620 lb)	Overall dimensions W x D x H	1420 mm x 1020 mm x 2000 mm 56 in x 40 in x 79 in
Standards	BS 1610:1985 Grade 0.5, DIN 51221 class 1 and ASTM E-4		

winTest™ Analysis

Powerful Software

winTest™ Analysis universal testing software is a multi-functional and fully customizable software package that supports all industry standards including ISO, ASTM and BS EN specifications. . Additional flexibility is provided by user-defined multistage step testing for highly specialised testing requirements.



Easy to Use Touch Screen

The on screen control panel allows the operator full control of all tester functions and the ability to conduct manual tests. It give easy access directly to stored test methods and many other functions. Interactive touch screen facility is available on AT models.

Enhanced Graphics

Multiple result/graphs test sheets.

Graphs with zoom facility.

Real-time graphs.

Test results using industry standard calculations.

Gradients or critical sections of graphs with movable marker.

Develop Your Own Methods

User defined machine control routines.

Customized test calculations

Auto scaling graphical displays.

Comprehensive print outs

Interface with peripheral equipment.

Graphs with configurative axes, best fit



Additional Features

- Pre-defined industry standard test methods available.
- Ability to create and store unlimited number of additional test methods.
- Comprehensive stored library of industry standards calculations.
- Graphical representation of all stored calculations.
- Retrospective analysis of all test calculations.
- Selectable pass fail criteria for all calculations.
- Upper and lower limits cursors displayed on graph screen.
- Multi-lingual support with one key press.
- Operates under Windows 98™ se, NT, 2000, XP

Analyze your data your way

Copy your results into Microsoft™ Word to produce your own presentation-quality test reports. Output your data in CSV format for importing into spreadsheets including Microsoft Excel and standard 'off-the-shelf' SPC packages and Laboratory Manager software. Convert your results into Microsoft™ Access database format. Additional modules are also available that will filter test data to produce long term statistical data that can be used for creating SPC charts for detailed trend analysis Operates under Windows™ 98 se, NT, 2000, XP

AT Model comes with Built-in PC with Touch Screen

Main Headquarters

Testing Machines Inc.
40 McCullough Drive
New Castle, DE 19720
Tel: (302) 613-5600
Fax: (302) 613-5619
Info@testingmachines.com

Messmer Instruments
Unit F1 Imperial
Business Estate
West Mill, Gravesend
Kent DA11 0DL UK
Tel: +44 (0) 1474 566488
Fax: +44 (0) 1474 560310

Büchel BV
Fokkerstrat 24,
3905 KV
Veenendaal, Netherlands
Tel: +33 (0)318 521500
Fax: +33 (0)318 5400358

Lawson Hemphill
1658 G A R Highway
Swansea, MA 02777 USA
Tel: (508) 679-5364
Fax: (508) 679-5396
Information@
lawsonhemphill.com

Adamel Lhomargy SARL
Z.A. de l'Habitat, Bâtiment
6 Route d'Ozoir, 77680
Roissy en Brie, France
Tel: +33 (0) 1 6440291
Fax: +33 (0) 1 64409211

TMI Canada
P.O. Box 203
Pointe-Claire Dorval
QC, H9R-4N9 CAN
Tel: (514) 426-5855
Fax: (514) 426-1557



www.testingmachines.com

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