

# TOP LOAD COMPRESSION TESTER



*Maximize Top-load performance quickly and accurately*



## FEATURES

- Maximum Capacity 2000 LB (8896 N)
- Selection of load cell ranges to Maximum Capacity
- Platen size 13 x 13 in (330 x 330 mm)
- Adjustable pre-load before start of measurement
- Variable pre-test speed to pre-load
- Variable test speed
- Auto return to pre-set start distance
- Automatic fast return platen saves testing time
- Pre-set keys for storing up to 6 test methods
- Multi-language programmed- 7 languages
- Measuring units include: N, N/m<sup>2</sup>, lb, lb/in<sup>2</sup>, kg, or kg/m<sup>2</sup>
- RS232C serial data output
- Built-in Printer

The performance of a container in production and transit is critical to the manufacturer. Product failures during filling, packing, warehousing and shipping are costly and can easily be prevented when containers and finished goods are tested for Top-load strength.

Top-load strength is an excellent method to optimize the necessary force required to produce deformation and failure of bottles and containers. Top load strength can also identify thinned areas in the wall of the bottle resulting in poor wall-thickness distribution.

Model 17-77 Compression Tester meets International Standards and Corporate testing methods for compression strength requirements for a variety of materials and products. A new enhanced microprocessor design with servo motor provides precision force and position control for repeatable instrument performance.

## APPLICATIONS

Beverage, Cosmetics, Pharmaceuticals  
Blow molded containers for beverage and household use  
PET bottles, Tubes and Cores  
Corrugated Boxes  
Stacking strength of cases

## OPTIONAL OPENINGS

16, 20 and 24 inch

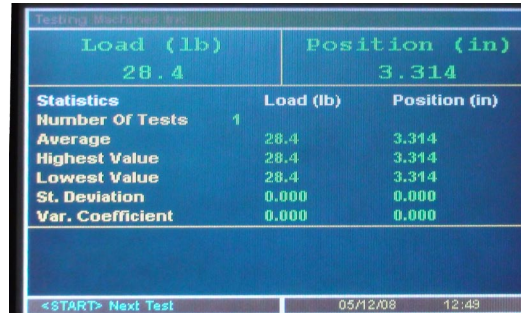
## STANDARDS

ASTM D 2659 Column Crush Properties of Blown Thermoplastic Containers  
DIN 55440-1:99 Packaging test; compression test

## SOFTWARE



▲ Intuitive Software design and touch panel allows simple test operation.



▲ Test screen automatically provides result data and statistics after each test.

## SPECIFICATIONS

**Model** 17-77-00-0001

### Ranges

Measuring range 0 – 2000 lb (0- 8896 Newton)  
 Load Cells 0-500 lb., 0-1000 lb., 0-2000 lb. (2225 N, 4450 N, 8896 N)  
 Accuracy ± .5 % of reading  
 Stroke length 16 in (406 mm) optional 20 in (508 mm) or 24 in (609 mm)  
 Measuring units N, N/m<sup>2</sup>, lb, lb/in<sup>2</sup>, kg or kg/m<sup>2</sup>

### Speed

Test Speed 0.2 - 20 in/min (5.08 -508 mm/min)  
 Return Speed 10 in/min (254 mm/min)

### Platen Size

Upper platen 13 x 13 in (330 x 330 mm)  
 Lower platen 13 x 13 in (330 x 330 mm)

### Statistics Display

- Number of tests
- Highest value
- Lowest value
- Average
- Standard deviation
- Variation coefficient
- Max. number of tests : 100 (in one test series)

### Machine Requirements

Power 120V/220Volt, 50Hz/60Hz  
 Safety Features Overload protection based on load cell in use  
 Connections RS232C output, Built-in Printer  
 Internal languages English - Dutch - German - French  
 Spanish - Finnish – Italian  
 (special languages on request)

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

**Büchel BV**  
**t/a Messmer Büchel**  
 Fokkerstraat 24,3905 KV  
 Veenendaal, Netherlands  
 Tel:+31 (0)318 521500  
 Fax:+31 (0)318 540358

**Lako Tool and**  
**Manufacturing Inc.**  
 7400 Ponderosa Road  
 Perrysburg, Ohio 43552  
 Tel: (419) 662-5256  
 Fax: (419) 662-8225

**Lawson Hemphill**  
 1658 G A R Highway  
 Swansea, MA 02777  
 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



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