

Crush Tester

Model 17-56

Robust and easy-to-use:

The Crush Test is designed as a robust, easy to-use instrument. Exactly what you need when performing crush tests. The Crush Tester is suitable for a wide variety of samples, including corrugated board, tubes, paper and plastics. The special sample holders extend the instrument's possibilities. The accuracy is achieved with a precision load cell, which is even accurate at low force values.

Test Results

After each test the results are displayed on screen. Along with the results, a test curve and statistics are also shown. The software allows the operator to develop individual test methods for easy operation. Changing measuring units is easy and allows the crush tester to conform to a variety of testing standards. The data is easily exported to a computer, especially when using the GraphMaster™ software.

Features:

- Solid and robust instrument
- Ergonomic design
- Precision load cell
- Load cell up to 5000 Newton
- Special sample holders available
- Easy to use interface
- Suitable for: RCT, CMT, CCT, PAT, ECT, FCT, SQT test

International Standards:

- DIN 53134, 53149
- PPITA/AS 1301.429s
- FEFCO No. 11, No. 8, No. 6
- SCAN P34, P27, P33, P32, P42
- ISO 12192, 7263, 3037, 13821, 3035
- APPITA/AS 1301.407s, 1301.434s, 1301.430s, 1301.444s
- TAPPI T822, T809, T843, T821, T811, T823, T838, T839, T825, T829

Technical Specification:

Model	17-56 Series
Measuring Units	N, lb, N/m, lb/in, kPa, lb/ft, lb/in ² , kN/m
Measuring range	0,000–5,000 N (1,125 lb)
Stroke length	4–78mm (0.158–3.07in)
Test speed	5–50mm/min (0.2–2.00in/min)
Return speed	± 100mm/min (4.00in/min)
Upper platen	125x125mm (4.92x4.92in)
Lower platen	180x125mm (7.08x4.92in)
Accuracy	1% of reading
Overload protection	Adjustable, max 5000N
Language	7 different

Installation Requirements:

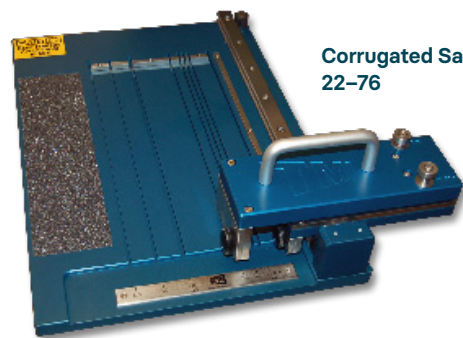
Electrical	100–230 VAC, 50/60Hz
Dimensions	370x400x710mm (WxDxH) (14.5x15.7x28in)
Weight	69kg (152lbs)

Output:

- Serial mini USB
- GraphMaster™/result string

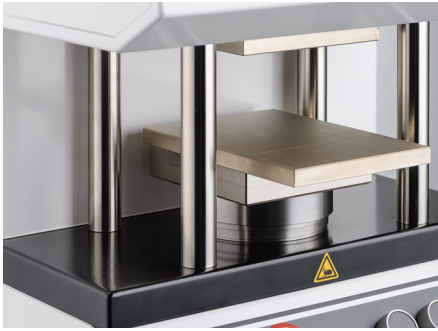
Optional accessories:

- GraphMaster™ software
- Sample holders
- Cutters



Corrugated Sample Cutter
22-76

Features:



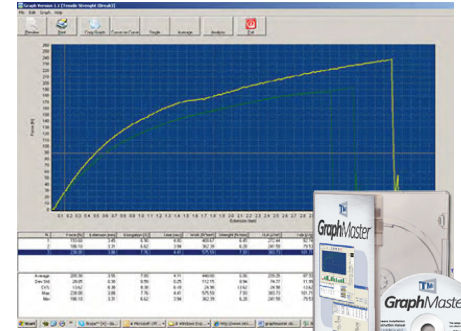
Robust design

A robust test frame, precision load cell and new electronic design ensure repeatable test results, unmatched accuracy and reliable, trouble-free operation.



Easy-to-use interface

The touch screen interface makes it easy to switch between tests. Six favorite methods can be selected for placement on the main screen, improving the speed of testing.



GraphMaster™ software

After performing the test, the operator can save all curve and test result data directly to an external PC. GraphMaster™ makes this work easy!

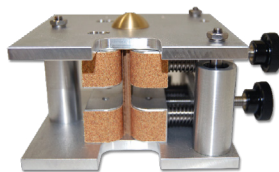


Sample holders:



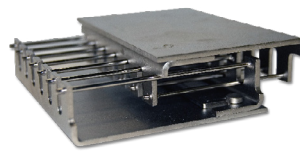
RCT: Ring Crush Test

17-11-13



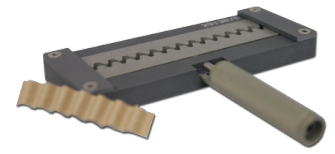
ECT: Edge Crush Test

17-11-49



PAT: Ply Adhesion Test

17-11-09



CCT: Corrugated Crush Test

17-11-22

Vertrieb in Deutschland durch:



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Explaining Paper & Board Testing with our 17-56 Compression Tester



RCT (Ring Crush Test)

A strip of paper (15mm height) is placed in the circle and crushed. The force needed at point of collapse is then measured.



CMT (Corrugated Medium Test)

The flute will be compressed. The force needed at point of collapse is measured.



SQT (Score Quality Test)

The corrugated is pushed down by a pin and the force at collapse is measured.



PAT (Pin Adhesion Test)

The liner and flute is placed in the sample holder. The pins are placed through the flute. The force that is needed to tear the flute from the liner is measured.



ECT (Edge Compression Test)

A strip of carton is placed sideways between the platens. The strip is held in place by two blocks. The force needed at point of collapse is measured.



FCT (Flat Crush Test)

A round sample of 100cm² is placed under the platens. The force needed at point of collapse is measured.



S-Tester

An improvement to the time-consuming CMT. The new method was developed to measure the compressive strength of the flute/medium. The test result is the maximum compressive force.

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