

Stiffness Tester

Model: S0016

a measurable difference...

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instruments

The Stiffness Tester evaluates the flexibility and bending resistance of paper and paperboard in both machine and cross machine directions.

The sample is clamped in the pivot block to allow for left and right measurement of the bending resistance at the free end of the sample in grams.

For standard samples, the bending resistance is measured at a pivot angle of 15°.

For specimens that break or crease at 15° (eg paperboard), the bending resistance is measured at a pivot angle of 7.5°.



Applications:

- Paper
- Light Metallic Foil
- Laminated Plastic
- Cardboard
- Wire
- Other flexible materials up to 5.5mm (0.219inch) that do not exceed 10000 Taber Stiffness Units.

Features:

- RS-232
- Calibration Weight

Benefits:

- Easy to use
- Fast results
- Accurate

Standards:

- TAPPI T489
- TAPPI T556

Specifications:

Range	0 – 2000g
Accuracy	±0.03%
Digital Display	g/cm
Bending Angle	15° or 7.5°
Test Time	15 seconds
Sample Size	38mm x 70mm (1.5inch x 2.75inch) 38mm x 76mm (1.5inch x 3inch)

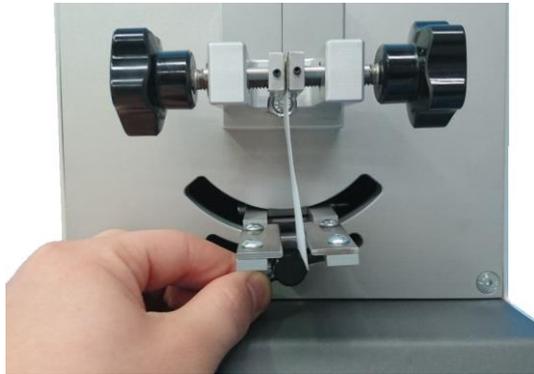
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Testing

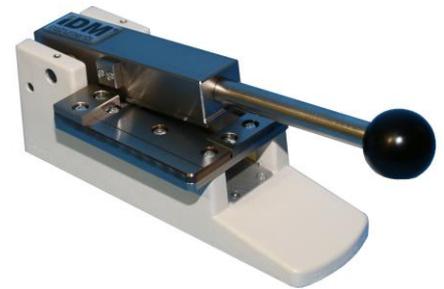
The top of a 38mm x 70mm (1.5inch x 2.75inch) sample is clamped, and the bottom of the sample rests against the bottom blades.

The blades are then adjusted to just make contact with the sample, then the pivot block is rotated at 15° or 7.5° deflection in either the left or right direction, and the resulting bending resistance measured at the bottom of the sample is displayed in g/cm.

Optional Accessories:

Crease & Stiffness Cutter Model C0016

The Crease & Stiffness cutter dependably and reliably cuts accurate samples of 38mm x 70mm (1.5' x 3') for use with the Stiffness Tester.



Connection:

- **Electrical:** 220/240 VAC @ 50 HZ or 110 VAC @ 60
please specify when ordering

Dimensions:

- **L:** 288mm
- **W:** 200mm
- **H:** 350mm
- **Weight:** 7.5kg

Related Items:

Use the C0039-M1 Crease and Stiffness for determining the board stiffness of paper and other packaging materials.



Related Items:

Use the C0039-M2 Crease and Stiffness Round Corner for determining the board stiffness of paper and other packaging materials with rounded corners.

