

Digital Internal Ply Bond Tester

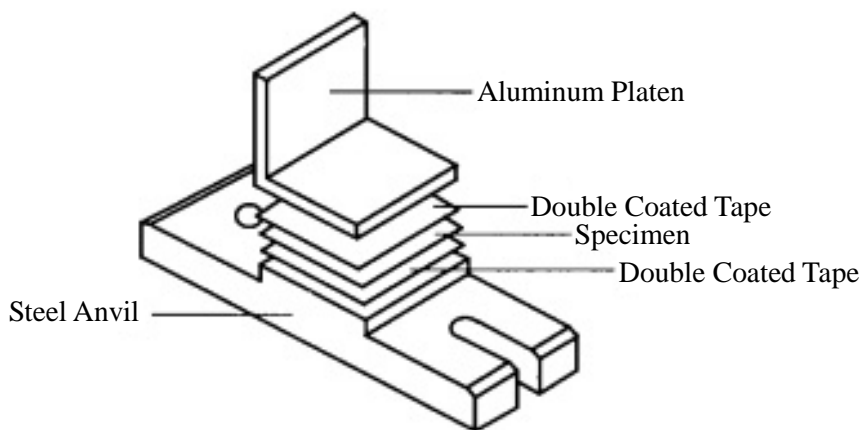


Figure 1

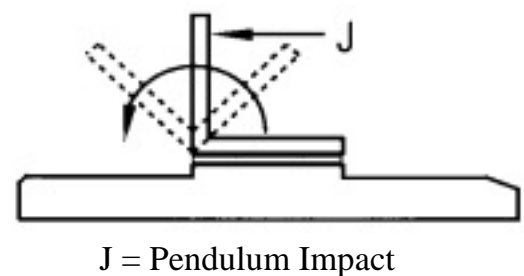


Figure 2

Introduction:

Digital internal ply bond tester is designed to determine the internal bond strength of a variety of paper and board materials according to TAPPI -T 569. It is based on a falling pendulum which creates a high speed impact on a paper specimen (figure 2). The paper specimen is sandwiched between two double-coated tape substrates (Figure 1). The pendulum impact measures the total energy required to delaminate the internal fibers of a specimen in a "Z" type direction into two separate piles. The system also incorporates an automatic sample preparation station which allow five specimens to be accurately prepared simultaneously.

Features:

1. Selectable units: ft.lb/in² ; J/m²
2. Report: Maximum, Minimum, Average , Error value
3. Automatic calibration

Applications:

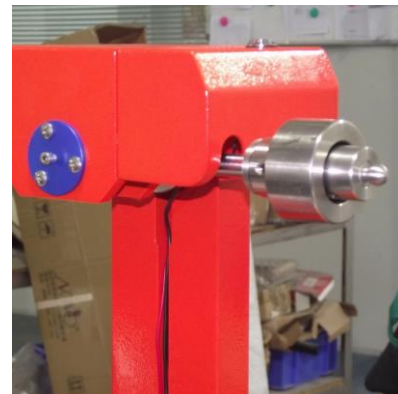
Suitable for research and development as well as production control for:

- Printing papers
- Label
- Release
- Carton
- Linerboard
- Newsprint
- Decor paper
- Specialty papers and others

Standard According:

TAPPI T569 Internal Bond Strength (Scott Type)

TAPPI T833



Specification

Model	EI-IBT
Measuring Range	Range-A (20 ~ 500 J/m ²) Range-B (500 ~ 1000 J/m ²)
Accuracy	A: ± 1 J/M ² B: ± 2 J/M ²
Sample clamping load	0 ~ 400 N (adjustable)
Resolution	0.001 lbf/in ²
Impact Angle	90 °
Unit Measuring	J/M ² , lbf/in ² interchange
Sample Dimension	25.4 x 25.4 mm
Number of Samples	5 pieces
Display	3.2 Inch LED
Printer	Build-in Thermal Printer
Power	220V, 50Hz
Dimension	500 (W) x 400 (D) x 650 (H) mm
Weight	Approx. 70kg