

# INTERNAL BOND™ TESTER

## 80-20-00



The **NEW Internal Bond™ Tester** is designed to determine the internal bond strength of a variety of Paper and Board materials according to TAPPI T 569. The instrument design is based on a falling pendulum which creates a high speed impact on a paper specimen. The paper specimen is sandwiched between two double-coated tape substrates. 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 allows five specimens to be accurately prepared simultaneously.

### FEATURES

- Storage and editing of up to 500 readings
- Selectable units (ft.lb/in<sup>2</sup>, J/m<sup>2</sup> and kg·cm)
- RS-232 serial output
- Report printout with built-in printer
- Magnetic hammer release and magnetic brake
- Automatic calibration
- Automatic specimen hold-down during test sequence
- Settable limits, statistics-average, standard deviation, high/low results
- Automatic cutting of samples saves you time and keeps you safe
- 5.7 inch LCD color display with 320 x 240 resolution
- 15 Character alphanumeric keypad
- 6 function keys for easy test setup
- 10 soft key icons allow simple intuitive navigation of test functions
- Conforms to TAPPI standard T 569

### APPLICATIONS

Newsprint, Fine Paper, Liner Board, Book Stock, Carton Board, Medium, Coatings, Laminates

## I-BOND PREP STATION

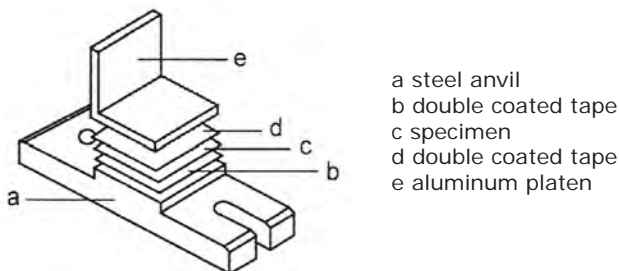


▲ *I-Bond Prep Station included*

### Sample Prep Station

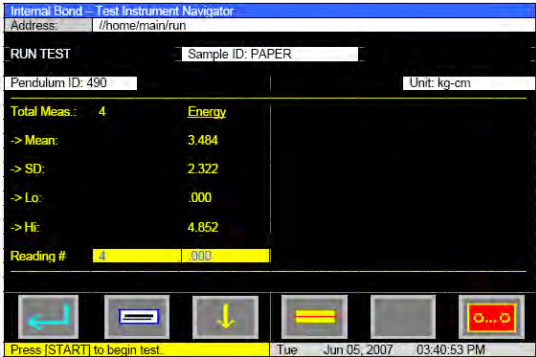
A precision sample Preparation station with digital display and direct read out in kPa and psi units is available to prepare up to 5 test pieces at the same time. The Sample Prep Station is supplied to provide a consistent adhesive transfer when pressing the test specimen between the double-sided tape and aluminum platens.

Included with the Sample Prep Station are 5 aluminum platens with a sample size of 25.4 x 25.4 mm (1.0 x 1.0 inches). The clamping pressure is adjustable from 345 kPa (50 psi) to 1379 kPa (200 psi). During the pressing operation a selectable dwell time can be set by the operator from 0-4 seconds. The factory setting is 3 seconds in accordance with TAPPI T 569. The system is designed with a reinforced anvil to prevent deflection during sample preparation.



▲ **Figure shows specimen sandwiched between two double-coated tape substrates**

SOFTWARE PROGRAM



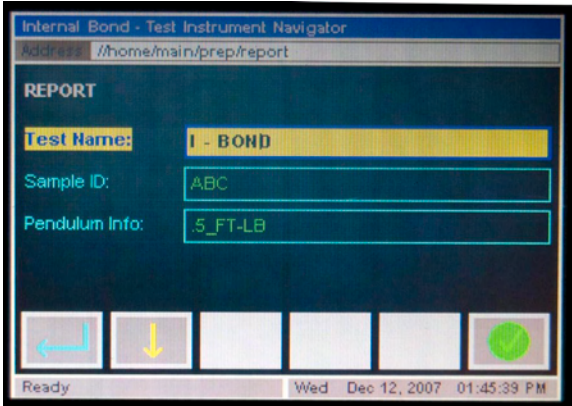
▲ Test result display



▲ Setup Menu

SOFTWARE PROGRAM

- Screen display
- Provides a web-like page navigation menu driven user interface.
- Normal Mode
- Calibration mode



▲ 5.7 inch LCD color display with 320 x 240 resolution



▲ 15 Character alphanumeric keypad

