



Internal Bond™ Tester

Model 80-20



Model 80-20-02



80-30 Ibond Prep Station

The **Internal Bond™ Tester** is designed to determine the internal bond strength of a variety of Paper and Board materials according to TAPPI T 569 and ISO 16260. 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 plies.

An automatic sample preparation station (Model 80-30) is available which allows five specimens to be accurately pressed and cut simultaneously. The prep station includes a safety enclosure over the cutting blades, eliminating the use of box cutting knives to separate the individual test specimens.

FEATURES

- 7” inch full-color digital touchscreen display
- Storage and editing of up to 100 readings including average and standard deviation
- Selectable units (ft.lb/in², J/m² and kg•cm)
- Easy-to-use one button operation for clamping anvil and starting test
- Report printout with built-in printer
- Magnetic hammer release
- Automatic calibration
- Ability to create, edit and save test procedures
- Automatic specimen hold-down during test sequence
- RS-232 serial output

- Universal power supply for 110V / 220V operations
- Automatic pendulum brake after test (optional)
- Calibration block set for verifying calibration (optional)

APPLICATIONS

Newsprint, fine paper, liner board, book stock, carton board, medium, coatings, laminates

STANDARDS

- Conforms to TAPPI standard T 569
- ISO 16260 Paper and Board – determination of internal bond strength

