

Ply Bond Tester / Z-Direction Tensile Tester

An equipment to test the internal fiber bond strength (z-direction tensile) of paperboard.

The internal bond strength of paperboard provides an indication of expected performance, e.g., strength of board in relation to glue bonding at carton side seams, and possible delamination on scoring, or use of high tack coatings.

This has also been found useful for the evaluation of coated fine papers.

Can also perform the
Ring Crush Test (RCT)

Technical Specifications / Special Features:

- Single Column Design
- Digital Model with Backlit LCD Display for easy readability.
- Capacity: 100 Kg
- Resolution : 10 gm in Compression Stroke
1 gm in Tension Stroke
- With Peak hold facility.
- Preset Ply Bond Test Cycle.
- **Optional Ring Crush / RCT Test module**
- Measurement units : Kg / Lbs / N / KN
(User-settable from Menu)
- Auto-Calibration facility at 10 Kg
- Test Speed : 10 ± 5 mm/min in Compression
and 66 ± 5 mm/min in Tensile
- With Ball Screw Mechanism for smooth travel.
- Travel length : 75 mm.

Models Available :

Model # PBT-100S With Stepper Motor & Drive for Precise Speed Control.



Utilities Required (To be supplied by the buyer) :

- 1) Power Supply : 230 Volts AC at 50 Hz. (Fluctuation Free Power required)
- 2) 10 Kg Cast Iron Weights (Required for calibration)

Note : Computerised Model also available.

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