

PN-CT300B Crush Tester

Introduction

PN-CT300B type compression strength test instrument is a new type of compression test instrument developed by our company according to the specification of national standard. With mechanical and electrical integration configuration, the instrument is well-designed using modern mechanical design theory and human engineering design criteria and micro-process. The instrument is upper pressure plate fixed type, which has high precision.



It applies to the test of Ring Crush Test (RCT), Edge Crush Test (ECT), Flat Crush Test (FCT), Pin Adhesion Test (PAT), Concora Corrugated Board Test (CCT) and Concora Medium Test (CMT).



Applications

Paper, paper board, Corrugated cardboard, Corrugated Package.

Standards

GB/T 2679.8 《Paper and board-Determination of compressive strength-Ring crush method》

GB/T 2679.6 《Corrugating medium-Determination of the flat crush resistance after laboratory fluting》

GB/T 6546 《Corrugated fibreboard-Determination of edgewise crush resistance》

GB/T 6548 《Corrugated fibreboard Determination of ply adhesive strength》

ISO 7263 《Corrugating medium-Determination of the flat crush resistance after laboratory fluting》

ISO 12192 《Paper and board-Compressive strength-Ring crush method》

TAPPI T843 《Fluted edge crush of corrugating medium(rigid support method)》

TAPPI T809 《Flat crush of corrugating medium(CMT test)》

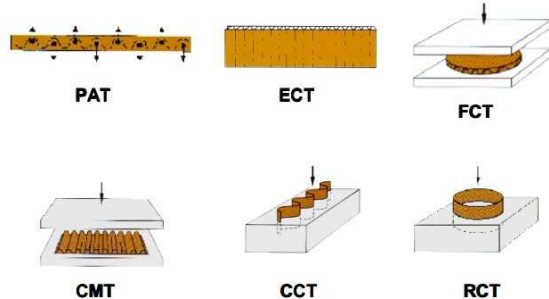
TAPPI T821 《Pin adhesion of corrugated board by selective separation》

TAPPI T825 《Flat crush test of corrugated board(rigid support method)》

TAPPI T822 《Ring crush of paperboard(rigid support method)》

SPECIFICATIONS

1. Power supply: AC220V \pm 10% 2A 50Hz
2. Error of indication: \pm 1%
3. Resolution: 0.1N
4. Measuring range: (5 ~ 5000) N
5. Parallelism: \leq 0.05 mm
6. Max distance: (2 ~ 70) mm
7. Test speed: (12.5 \pm 2.5) mm/min (1~40mm/min can set)
8. Return speed: (5 ~ 30) mm/min
9. Display: LCD Display and English menu
10. Printer: Thermal printing, high speed and no noise
11. Data output: RS232(Standard) / USB (Optional)
12. Work environment: Temp. (20 \pm 10) $^{\circ}$ C relative humidity $<$ 85%
13. Dimension: (375 \times 345 \times 505) mm (L \times W \times H)
14. Net Weight: About 38.6 kg



FEATURES

1. High speed return after finishing test
2. Imported step motor with servo control adopted
3. The test result can be measured, statistical and printed automatically and the data can be saved.
4. Blue color LCD display, which can be display the crush time and loading force real time , PN-CT300B type can display crush graph real time.
5. New PC software able to manage and analyse the data and can communicate with PC. (Only for PN-CT300B type)。 Thermal printer, high speed and no noise .
6. Use the modern design idea of mechanical and electrical integration, which has compact configuration, pleasing appearance and convenient maintenance.