

PN-CT300F Crush Tester

➤ Introduction

PN-CT300F Crush tester applies to the RCT of paper 0.10~0.58mm thickness, ECT and PAT for corrugated board, FCT for single flute corrugated board, and CCT & CMT for corrugated paper.

Six test modes, pre-set parameters, and corresponding test accessories, one-click automatic test, real-time display of force value and deformation amount during the test process, screen display results directly after test.

The instrument is a mechatronic structure, and adopts the upper platen fixed type, high measurement accuracy, real-time display of pressure and deformation, and has statistical functions. After statistics, the average value, maximum value, minimum value, coefficient of variation and standard deviation are displayed. And it can be automatically reset, easy to operate, easy to adjust, and stable performance.



➤ Applications

Paper, paper board, Corrugated cardboard.

➤ Standards

RCT : GB/T 2679.8, ISO 12192, TAPPI T822

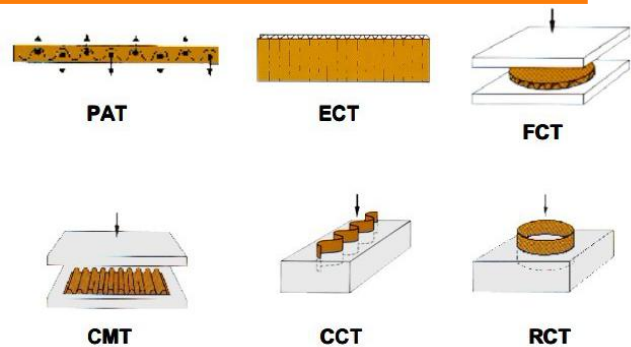
ECT: GB/T 6546, ISO3037

PAT : GB/T 6548

FCT : GB/T 22874, ISO 3035, TAPPI T825

CMT : ISO 7263, TAPPI T809

CCT : TAPPI T843



➤ Features

1. Adopt new module circuit design and have WIFI function, and the test results can be saved to the cloud server, and the ERP software can be used to query and generate reports.
2. The compression speed standard is 12.5mm/min, adjustable from 1 to 30mm/min;
3. The compression stroke is up to 70mm;
4. Platen returns at high speed after test to improve test efficiency;
5. Adopt advanced stepper motor control for accurate positioning;

6. With statistical function, showing average value, maximum value, minimum value, standard deviation and coefficient of variation;
7. Touch screen operation and display;
8. Optional PC software specially designed by our company to facilitate data processing;
9. With thermal high-speed silent micro-printer.
10. Units can be switched: N, kgf and lbf;
11. Mechatronics modern design concept, compact structure, beautiful appearance and convenient maintenance.

➤ Specifications

1. Power: AC100~240V, 2A,50Hz/ 60Hz.
2. Accuracy: $\pm 1\%$
3. Indication variation: $< 1\%$
4. Resolution: 0.1N
5. Measuring range: (5~5000) N
6. Parallelism: $\leq 0.034\text{mm}$
7. Stroke: (2~70) mm
8. Test speed: (12.5 ± 2.5) mm/min (1~30mm/min can be set)
9. Return speed: (5~30) mm/min
10. Display: 7" touch screen display and English menu
11. Printer: Thermal printing, high speed and low noise
12. Data output: RS232(Standard) / USB (Optional)
13. Work environment: Temp. (20 ± 10) °C relative humidity $< 85\%$
14. Dimension: (375×345×505) mm (L×W×H)
15. Net Weight: About 38.6 kg