

KASON-CT3000 Compression Tester



(The picture is for reference only)

Introduction:

A compression tester is an instrument used to test the ring crush strength (RCT) of paper, the edge crush strength (FCT) of cardboard, the bond strength (PAT) of corrugated board, and the flat crush strength (CMT) of corrugated board. Paper mills typically use it to test the ring crush strength (RCT) of paper with a thickness of 0.15–1.00 mm. Cardboard, carton, and carton users typically use it to test the edge crush strength (ECT), flat crush strength (FCT), bond strength (PAT), and flat crush strength (CMT) of corrugated board cores with a diameter less than 60 mm. This instrument is an ideal auxiliary testing tool for paper mills, cardboard manufacturers, carton manufacturers, carton users, and quality supervision and inspection departments.

Features:

- Industrial-grade 7-inch touchscreen with a menu-driven interface and flat design, eliminating the need for complex operations; one-click access to any interface is sufficient.
- Dedicated single-chip microcomputer control system for paper product compression; simple, fast, stable, reliable, and highly accurate.
- Menu-driven control software; easy to learn and operate.
- Real-time display of experimental data trends throughout the test.

- High-precision motor with lead screw and guide rail structure ensures lifting accuracy and improves test precision.
- Functions include test result saving, querying, and data traceability.
- Uses internationally renowned brand force sensors; high accuracy and stable, reliable performance.
- Overload alarm, travel limit alarm, and shutdown protection functions ensure test safety.
- Equipped with an RJ457 universal data interface for convenient data output and transmission.
- Includes a mini printer for direct printing of test results.

Standards:

Ring Crush: GB/T 2679.8, ISO 12192, TAPPI T822;

Edge Crush: GB/T 6546, ISO3037, TAPPI T811, T839;

Adhesive Crush: GB/T 6548;

Flat Crush: GB/T 22874, ISO 3035, TAPPI T825;

CMT: GB/T 2679.6, ISO 7263-1, TAPPI T809;

CCT: GB/T 40168, ISO16945, TAPPI T843, etc.

Specification

Name	KASON-CT3000
Measurement range	5-3000N
Indication accuracy	±1%
Force resolution	0.01N
Platen parallelism	≤0.05mm
Distance between upper and lower plates	70mm (size can be customized)
Test speed	12.5±2.5mm/min
Return speed Pressure	100mm/min
Speed range	Stepless speed regulation 0.1-200 mm/min
Plate size	φ125mm (size customizable)
Display method	7-inch touchscreen LCD display
Data output method	Modular all-in-one thermal printer
Operating Environment	Room temperature 20±10°C; relative humidity <85%; clean and dust-free environment, free from strong magnetic fields and strong vibration sources.
Dimensions	Main unit dimensions: 350*360*590mm
Power Supply	220VAC 50Hz / 120VAC 60Hz
Net Weight	About 36KG
Standards Met	GB2679.8、GB6546、GB6548、GB2679.6 etc.~~
Optional Accessories	Ring-crushing center disc + ring-crushing sampling knife + adhesive strength peeler + edge-crushing guide block + edge-crushing adhesive sampling knife + flat-crushing sampling knife

Product Configuration:

Standard Configuration: Main unit, power cord, technical documents, printing paper, testing accessories;

Optional Accessories: Sampler, non-standard tooling fixtures, non-standard customization services;

FOCUS IN MATERIAL TEST

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