

## **KASON-CTM10 Universal Carton Compression Testing Machine**



(The picture is for reference only)

### **Introduction:**

The microcomputer-controlled carton compression tester is a basic instrument for testing the compression strength of small and medium-sized packaging products such as corrugated cartons. It is suitable for testing the compression strength and stacking strength of small and medium-sized corrugated cartons and other packaging products.

### **Features:**

1. Five-inch LCD touchscreen display showing force/time curves, deformation/displacement curves, and deformation/time curves during the test;
2. Microcomputer processing system for automatic measurement, intelligent result judgment, and automatic return during the test;
3. Microcomputer data acquisition and calculation within the pressure range, with a miniature printer printing the test results;
4. Real-time display of compressive strength, deformation, and change curves during the test;
5. Meets three test modes: compressive strength, stacking test, and constant value test;

6. Synchronous motor drive ensures smooth and accurate transmission, resulting in more precise output pressure;
7. Precision threaded screw drive with four guide column systems ensures stable and accurate high-speed transmission of the upper and lower pressure plates;
8. Reset function automatically stops the moving beam and returns it to its original position after sample damage or test completion;
9. Multiple protections including force travel protection, mechanical travel protection, and displacement protection;
10. The instrument can be upgraded with computer control and professional computer software for testing and data analysis.

**Standards:**

GB/T 4857.3, GB4857.4, ISO2874, ISO2872, etc.

**Specification:**

Pressure Measurement Range: 0-10KN (customizable)

Pressure Resistance Space Dimensions: 600\*600\*600mm (customizable)

Accuracy Class: Class 1

Structural Form: Gantry Structure

Resolution: 0.1N

Accuracy:  $\leq 1\%$

Return Speed: 100mm/min

Deformation Measurement Accuracy:  $\leq \pm 1\text{mm}$

Pressure Application Speed      Adjustment Range: 5-90mm/min

Displacement Resolution: 0.01mm

Relative Error of Pressure Application Speed:  $\pm 3\%$  within the range of (5-90)mm/min

Parallelism of Upper and Lower Pressure Plates: Lower pressure plate fixed, upper pressure plate spherical (automatically adjusted parallelism)  $\leq 1\text{mm}$

Relative Error of Crossbeam Speed: Within  $\pm 1\%$  of the set value

Effective Test Space: 1000\*600\*1300mm (L\*W\*H) (Other sizes can be customized)

Instrument weight: 600kg

Standard testing speed: 12mm/min

Communication output configurable RS232 (software sold separately)

Power supply: 220V, 50HZ

# FOCUS IN MATERIAL TEST

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