



## PCT-01 Package Compression Tester

### Application

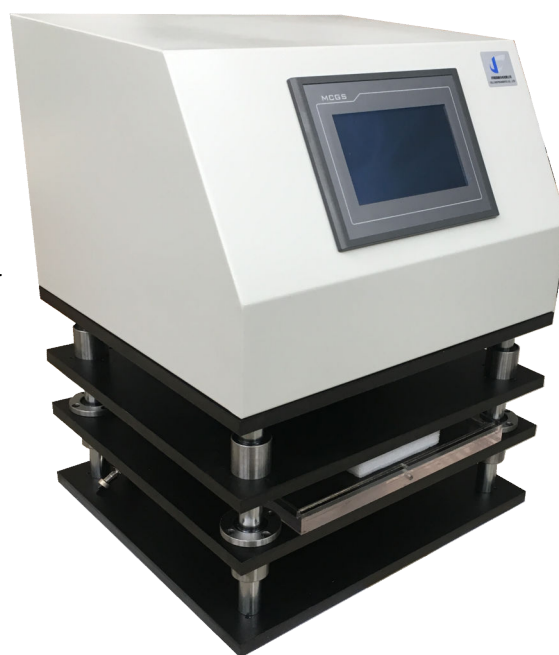
The Package Compression Tester is a versatile and precision instrument designed for pressure resistance measurement across a variety of packaging materials. This essential testing equipment is specifically engineered to assess the durability and integrity of composite film packs, paper cups, bowls, and containers used in diverse industries, including food, medicine, and cosmetics. Additionally, the tester is adept at evaluating the robustness of infusion bags, plastic infusion bottles, blood bags, ice bags, and other similar packaging materials.

### Test Principle

**Placement:** The tester comprises upper and lower pressure plates. The sample (packaging material) to be tested is securely positioned between these plates.

**Compression:** The upper-pressure plate is actuated to move downward against the sample. This simulates external pressure conditions that the packaging might encounter during real-world usage.

**Force Measurement:** The force exerted by the lower pressure plate is measured in real time. This data is critical in determining the sample's bursting performance and its constant pressure resistance capacity. The measurements help in understanding how different materials and designs will perform under stress conditions.



### Technical Features

1. HMI touch screen parameter setting and test operation
2. Industrial-grade PLC control system
3. Two test modes of maximum bursting force and constant pressure resistance
4. Automatic constant pressure compensation adjustment function
5. with automatic data statistics
6. Liquid collection device to avoid contamination in case of sample rupture
7. Non-standard test sizes can be customized
8. An RS232 port and professional computer software are available.(optional)

### Main Parameters

Test Range	2000N(or as required)
Accuracy	1% FS
Time range	0~10000S
Platen size	250mm*300mm (or as required)
Power	AC 110~220V

### Major Standards

ISO 2234, ISO 12048, ISO 2874, ISO 2872, ASTM D642, ASTM D4169, TAPPI T804, JIS Z0212, GB/T 4857.3, GB/T 4857.4, QB/T 1047, GB/T 10004, YBB 00112005

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