

**KASON-PFT200 Puncture Resistance Tester**

Note: The picture is for reference only

**Product Introduction:**

Professionally designed for puncture resistance testing of various films, composite films, battery separators, artificial skin, pharmaceutical packaging stoppers, combination caps, oral liquid caps, and other materials. It can also test the opening force of combination caps, the breaking force of ampoules, and piston slippage.

**Product Features**

- ◆ 7-inch industrial-grade color resistive touchscreen, clear view, menu-driven interface, sensitive touch, easy to operate.
- ◆ Integrates multiple independent test programs such as puncture, tensile, peel, tear, and opening, providing users with a variety of test options.
- ◆ Supports bidirectional tensile and compressive testing modes; both progress and return speeds are adjustable.
- ◆ Stopping can be set according to test requirements using force, displacement, and other test conditions.
- ◆ Equipped with a well-known brand force sensor, with testing accuracy better than 0.5 grade, effectively ensuring the accuracy of test results.

- ◆ Equipped with an imported high-precision, high-speed sampling chip, ensuring the accuracy, real-time performance, and repeatability of test results.
- ◆ Available with various force sensor specifications, providing convenience for users to test under different conditions.
- ◆ Equipped with precision ball screw multi-axis positioning technology, the test speed is arbitrarily adjustable, ensuring the accuracy of test speed and displacement, and smoother operation.
- ◆ Professional and user-friendly fixtures, stable and reliable, easy to operate.
- ◆ Offers rich extended applications, with a variety of sample fixtures for users to choose from, meeting the testing requirements of over 1000 materials. Requirements:
- ◆ Intelligent design including limit protection, overload protection, and automatic return to ensure operational safety.
- ◆ Multi-level user permission settings; user permissions at each level can be arbitrarily set according to actual needs.
- ◆ Real-time display of force value change trends during the test.
- ◆ Support for group test data overlay and comparison analysis, with multi-unit conversion function.
- ◆ Equipped with a USB interface for convenient external access to computer systems, data transfer, and software upgrades.
- ◆ Support for quick viewing of historical data; test data can be traced back to its source.
- ◆ Equipped with a miniature printer. Printer, real-time printing of test results
- ◆ Professional computer control software provides various practical functions such as statistical analysis of grouped samples and comparison of historical data (optional)

#### Reference Standards:

GB/T10004, GB/T36363-2018, YBB00322004-2015, YBB00102005-2015, YBB00342002-2015, YBB00112005-2015, YBB00242004-2015

#### Technical Parameters

Indicators	Specifications
Capacity	200 N (Standard)
Sensor Specifications	30 N / 50 N / 100 N / 500 N (Optional)
Force Accuracy	Better than 0.5 grade
Display Resolution	0.001 N
Test Speed	0.01 ~ 500 mm/min (Stepless Speed Regulation)
Speed Accuracy	Indicated value $\pm 0.5\%$
Clamp Diameter	10 mm (Other sizes available)
Stroke	400 mm (Other strokes available)
Dimensions	330mm(L) $\times$ 410mm(B) $\times$ 680mm(H)
Power Supply	AC 220 V 50 Hz
Net Weight	35kg

**Product Configuration:**

Standard Configuration: Main unit, puncture force fixture, mini printer, sampling knife. Optional Accessories: Non-standard sensors, standard pressure rollers, test plates, sampling knives, floating roller fixtures, professional computer software, computer, desktop printer, non-standard fixtures (rubber stopper puncture force testing device, opening force testing device, ampoule breaking force testing device, soft plastic container external pressure sealing testing device, needle and needle seat connection force testing device, needle cap pull-out force testing device, piston sliding performance testing device, container tightness testing device, syringe pushing force testing device, low-speed unwinding testing device, ring initial tack testing device, and other testing accessories).

# FOCUS IN MATERIAL TEST

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