

KASON-MX04 Inclined Surface Friction Coefficient Tester

Note: The picture is for reference only

Applications:

The KASON-MX04 inclined surface friction coefficient tester is professionally designed for testing the friction coefficient of materials such as paper, cardboard, plastic film, sheets, and conveyor belts. By measuring the slipperiness of materials, it allows for the control and adjustment of production quality process indicators such as the opening properties of packaging bags and the packaging speed of packaging machines, meeting product usage requirements.

Features:

1. Stepless angular velocity regulation and automatic platform reset functions easily meet testing needs under different conditions;
2. Professionally designed for testing the static friction coefficient of samples on inclined surfaces;
3. The instrument's test platform and test slider are demagnetized and subjected to residual magnetism detection, effectively reducing system testing errors;
4. The equipment adopts microcomputer control with a menu-driven operation interface, PVC control panel, metal buttons, and LCD touch screen for convenient user operation and data viewing;
5. The instrument uses a laser rangefinder sensor to accurately measure the instantaneous sliding of the slider;

6. Equipped with a micro printer and a standard RS232 interface for convenient external connection and data transmission with a computer.

Testing Standards

This equipment meets multiple national and international standards: ASTM D202, ASTM D4918, TAPPI T815

Testing Applications

Basic Applications: Films - Suitable for testing the coefficient of friction of plastic films and sheets on an inclined plane, such as single-layer and multi-layer composite films of PE, PP, PET, etc. used for various food and pharmaceutical packaging.

Paper: Suitable for testing the coefficient of friction of paper and cardboard on an inclined plane, such as various paper and paper-aluminum-plastic composite printed products.

Extended Applications: Aluminum Sheets, Silicon Wafers - Suitable for testing the coefficient of friction of foils and silicon wafers on an inclined plane.

Textiles, Non-woven Fabrics: Suitable for testing the coefficient of friction of textiles, non-woven fabrics, etc., such as woven bags.

Technical Specifications

Angle Range: 0°–85°

Accuracy: 0.01°

Angular Velocity: 0.1°/s –10.0°/s

Slider Specifications: 1300 g (standard), 235 g, 200 g (sold separately) Note: Other weight sliders can be customized.

Environmental Requirements

Temperature: 23±2°C

Humidity: 20%RH~70%RH

Dimensions 330 mm (L) × 455 mm (W) × 250 mm (H)

Power Supply: 220VAC 50Hz / 120VAC 60Hz

Net Weight: 22 kg

Product Configuration:

Standard Configuration: Main unit, mini printer, 1300g slider

Optional Accessories: Professional software, communication cable, 235g slider, 200g slider, non-standard slider

FOCUS IN MATERIAL TEST

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