

- ❖ Online Data Management System for Packaging Testing-The ultimate cloud computing technology for test data processing and management
- ❖ Designed with embedded computer control system and intelligent operating software
- ❖ Can test coefficient of friction and peel strength of relative materials
- ❖ Conforms to ASTM, ISO ,TAPPI and other international standards



### ***Online data management system for packaging testing***

Comes with two versions to meet distinct needs of our clients:

#### **The Cloud Version**

- Consist of 6 functional modules: Test Management, Target Management, Instrument Management, File Management, Settings, and Online Support.
- Cloud services: storage, calculation, and analysis of mass test data
- Automatically upload original test data to the cloud server to guarantee data security
- Intelligent statistical analysis of test results
- Easily accessible through the internet on PCs, laptops, mobile phones, and other devices anywhere and anytime, to check and review real time test results and historical test reports, as well as analytical graphs and statistical information

#### **The Intranet Version**

- Featured with storage space for vast data, correlation analysis, trend analysis, and statistical analysis of test data, as well as report printing and data export functions
- Easily accessible via computers through Intranets
- “One Click Upgrade” to the powerful “Cloud Version”

## Functionality

- Two testing modes are available in this instrument including coefficient of friction test and 180° peel test
- Seven test speeds can be selected as required
- Test range and the weight of sled can be customized based on user's requirements
- Automatic temperature control of the test platform makes it possible to test specimen at different temperatures
- Top quality parts and components made by world famous brands are used to ensure reliable overall product performance
- Test parameters and test results can be displayed in different units

## Design

- Embedded computer control system provides safer and more reliable data management as well as test operation.
- The instrument can be easily operated with a mouse, a keyboard, and a monitor, without requiring a PC.
- The instrument is equipped with four USB ports and dual Internet ports for convenient data transmission.
- Sophisticated energy consumption and test environment monitoring and analysis functions for better test accuracy and reliability. (Relevant sensors are needed. For more information, please refer to the configuration in Technical Specifications.)

## Software

- **Interface:** Windows-based operating interface
- **Statistics:** easy calculation for historical results, instrument usage, energy consumption, and large statistical information
- **Data Comparison:** by presetting target value and range, the system automatically generates data comparison after each test and intelligently judges whether the specimen passes or fails the test
- **Test Report:** can provide detailed test reports in various customized patterns
- **Energy Consumption and Test Status Monitoring (Additional Sensors Required):** the system monitors and displays real-time voltage, current, energy consumption and inclination angle of instrument as well as ambient temperature and relative humidity during the test, which serves to evaluate test data reliability
- **User Management:** multi-level account management for better data management and protection
- **Operation Log:** system automatically records all the operations by the user, which is easy to review

## Test Standards

This instrument conforms to the following standards: ASTM D1894, ASTM D4917, ASTM D3330, ISO 8295, ISO 8510-2, TAPPI T816, TAPPI T549, GB 10006, GB/T 2790, GB/T 2791, GB/T 2792

## Applications

This instrument is designed to determine coefficients of friction and peel strength for the following materials:

<b>Basic Applications</b>	Plastic Films and Sheets	Static and dynamic coefficients of friction for plastic films, sheets, foils, aluminum foils, aluminum foil composite films and other materials
	Paper and Paperboard	Static and dynamic coefficients of friction for paper and paperboard
	Textiles, Non-woven Fabrics and Woven Bags	Static and dynamic coefficients of friction for textiles, non-woven fabrics and woven bags
	Rubber and Convey Belts	Static and dynamic coefficients of friction for rubber products and convey belts
	Printing Matters	Static and dynamic coefficients of friction for printing matters
	Water Proof Materials	Static and dynamic coefficients of friction for water proof materials
	Metal Materials	Static and dynamic coefficients of friction for metal materials
	Mobile Phone Screen and Leathers	Static and dynamic coefficients of friction for mobile screen against the leather products
	Adhesives	Peeling strength for adhesives
	Medical Adhesives	Peeling strength for aid bandage and plasters
	Protection Films	Peeling test of protection films for mobile phones or computers
	Adhesive Films	Peeling test of protection films for magnetic cards and adhesives
<b>Extended Applications (Additional Accessories Required)</b>	High Temperature Test	Static and dynamic coefficient of friction tests at higher temperature than room temperature
	Grains	Static and dynamic coefficients of friction for grains against the metal materials
	Hair	Static and dynamic coefficients of friction for the hairs
	Pipes	Static and dynamic coefficients of friction for pipes
	Ball Shaped Material	Static and dynamic coefficients of friction for ball shaped material against even leveled materials
	Medical Tubes	Static and dynamic coefficients of friction for medical tubes and artificial skin
Lacquered Wire	Static and dynamic coefficients of friction for lacquered wire against even leveled materials	

## Technical Specifications

<b>Test Specs</b>	Capacity Range	0 ~ 5 N, 0 ~ 10 N, 0 ~ 30 N
	Test Accuracy	0.5% FS
	Test Temperature	Room temperature~ 99.9°C
	Sled Weight	200 g, 500 g (Standard) 100 g, 1000 g, 1814 g, 2000 g (Optional)
	Test Speed	50, 100, 150, 200, 250, 300, 500 mm/min
<b>Environment</b>	Voltage Monitoring Range	AC 0 ~ 250 V, with ±0.5% accuracy

<b>Monitoring Specs (Optional)</b>	Current Monitoring Range	0 ~ 15 A, with $\pm 0.5\%$ accuracy
	Energy Analysis Accuracy	$\pm 0.5\%$
	Environmental Temperature Monitoring Range	-10 °C ~ 55 °C, with $\pm 0.1^\circ\text{C}$ accuracy
	Inclination Angle Monitoring Range	-10°~10°
	Environmental Humidity Monitoring Range	0 ~ 100% RH, with $\pm 2\%$ RH accuracy
<b>Other Specs</b>	Instrument Dimension	850 mm (L) x 350 mm (W) x 290 mm (H)
	Power Supply	AC 110 V 60 Hz
	Net Weight	30 kg
<b>Configurations</b>	Standard	Mainframe (including Wireless Data Interface), Professional Software, LCD Monitor, Keyboard, Mouse, Grips for Peel Test, Sleds of 200 g and 500 g
	Optional	Environment Monitoring Sensors ( including voltage, current, temperature, humidity and inclination sensors ) , Test Plate. Customized Sled, Customized Grip, Sensor for non-standard Test Range, Sample Cutter, Printer (compatible with PCL3)
	Online Data Management System for Packaging Testing	Wireless Data Transfer Module, High Gain Antenna

**Please Note:**

- ❖ Pictures used are for illustration purposes only and may differ from the actual product received.
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