

- ❖ Online Data Management System for Packaging Testing-The ultimate cloud computing technology for test data processing and management
- ❖ Can be used for thickness test of plastic films, sheets, paper, foils, silicon chip, coatings and other materials
- ❖ Conforms to ASTM, ISO, JIS and many other 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

- Mechanical contact measurement with an automatic presser foot
- Standard contact area and various testing pressures to meet distinct requirements
- Support both manual and automatic testing modes
- Automatic specimen feeding, specimen feeding interval, number of testing points, specimen feeding speed and related parameters can be preset by the user
- Intelligent reminders for sensor calibration and the recoding and management of operation history can ensure a safety operation environment
- The system institutionally displays the maximum, minimum, and average thickness as well as standard deviation for each test
- Standard gauge block is available for fast calibration
- Sophisticated energy consumption and test environment monitoring and analysis functions for better test accuracy and reliability. The system monitors and displays real-time voltage, current, energy consumption, vibration, and inclination angle of instrument as well as ambient temperature and relative humidity during the test, which serves to evaluate test data reliability. (Relevant sensors are needed. For more information, please refer to the configuration in Technical Specifications.)
- Easy calculation for historical results, instrument usage, energy consumption, and vast statistical information

Test Standards

This instrument conforms to the following standards:

ASTM D374, ASTM D1777, ISO 4593, ISO 534, ISO 3034, GB/T 6672, GB/T 451.3, GB/T 6547, TAPPI T411, JIS K6250, JIS K6783, JIS Z1702, BS 3983, BS 4817

Applications

This instrument is designed to test the following materials:

Basic Applications	Films, Sheets and Diaphragms
	Paper and Paper Board
	Foils and Silicon Wafers
	Metal Sheets
	Textiles
	Solid Electrical Insulating Materials
Extended Applications (Additional Accessories Required)	Non-woven Materials, including baby diapers and sanitary pads
	Extended Test Range of 5 mm and 10 mm
	Curved Presser Foot

Technical Specifications

Test Specs	Test Range	0~2 mm (Standard) 0~6 mm, 12 mm (Optional)
	Resolution	0.1 μ m
	Test Pressure	17.5 \pm 1 KPa (Film); 50 \pm 1 KPa (Paper)
	Contact Area	50 mm ² (Film); 200 mm ² (Paper) Film or Paper is optional and customization is available
	Auto-Feeding Space	0~1000 mm
	Auto-Feeding Speed	0.1~99.9 mm/s
	Environment Monitoring Specs (Optional)	Voltage Monitoring Range
Current Monitoring Range		0~15 A, with \pm 0.5% accuracy
Energy Analysis Accuracy		\pm 0.5%
Environmental Temperature Monitoring Range		-10 $^{\circ}$ C~55 $^{\circ}$ C, with \pm 0.1 $^{\circ}$ C accuracy
Vibration Monitoring Range		-2 g ~ 2 g / 0~400 Hz
Inclination Angle Monitoring Range		-10 $^{\circ}$ ~10 $^{\circ}$
Environmental Humidity Monitoring Range		0~100% RH, with \pm 2% RH accuracy
Other Specs	Instrument Dimension	461 mm (L) x 334 mm (W) x 357 mm (H)
	Power Supply	AC 110 V 60 Hz
	Net Weight	33 kg
Configurations	Standard	Mainframe (including Wireless Data Interface), One Standard Gauge Block
	Optional	Environment Monitoring Sensors (including voltage, current, temperature, humidity, vibration and inclination sensors), Presser Foot, Weight
	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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