

MXD-02 Coefficient of Friction Tester is designed for static and kinetic coefficient of friction tests of plastic films, sheets, rubber, paper, PP woven bags, fabric style, metal-plastic composite strips/belts for communication cable, conveyor belts, wood, coatings, brake pads, windshield wipers, shoe materials and tires. With the material smoothness testing, users can control and adjust material quality technical indexes to meet application demands. Besides, this tester is applicable to the smoothness measurement of cosmetics, eye drop and other daily chemistry.



### Professional Technology

- Static and kinetic coefficients of friction can be tested for each specimen
- This instrument conforms to multiple standards of ISO, ASTM and GB and the user could select test methods as required
- Test speed could be preset and adjusted by the users as required
- Sled of specific weight could be customized
- The sliding plane and the sled are treated by degaussing and remanence detection which effectively reduce the system error
- Top quality parts and components made by world famous brands are used to ensure reliable overall product performance
- This instrument is controlled by micro-computer with LCD display, PVC operation panel and menu interface
- Professional operating software supports statistical analysis of single specimen, group specimens, superposition analysis of test curves and historical data comparison functions
- Equipped with RS232 port and micro printer port which is convenient to the data transmission and PC connection
- Supports Lystem<sup>™</sup> Lab Data Sharing System for uniform and systematic data management

### Test Standards

This instrument conforms to various national and international standards:  
 ISO 8295, ASTM D1894, TAPPI T816, GB 10006

### Applications

<b>Basic Applications</b>	Plastic Films and Sheets	Coefficient of static and dynamic friction tests of plastic films and sheets
	Paper and Paperboard	Coefficient of static and dynamic friction tests of paper and paperboard
	Textiles, Non-woven Fabrics and Woven Bags	Coefficient of static and dynamic friction tests of textiles, non-woven fabrics and woven bags

<b>Extended Applications</b>	Rubber	Coefficient of static and dynamic friction tests of rubber products
	Aluminum Foils and Aluminum Foil Composite Films	Coefficient of static and dynamic friction tests of aluminum foils, aluminum foil composite films and other metal products
	Printing Matters	Coefficient of static and dynamic friction tests of printing matters
	Wood and Flooring	Coefficient of static and dynamic friction tests of wood and flooring
	Photographic Films	Coefficient of static and dynamic friction tests of photographic films
	Grains	Coefficient of static and dynamic friction tests of grains against the metal materials
	Hair	Coefficient of static and dynamic friction tests of the hairs
	Pipes	Coefficient of static and dynamic friction tests of pipes
	Ball Shaped Materials	Coefficient of static and dynamic friction tests of the ball shaped material against even leveled materials
	Medical Tubes	Coefficient of static and dynamic friction tests of medical tubes and artificial skin
Lacquered Wires	Coefficient of static and dynamic friction tests of the lacquered wires against even leveled materials	

## Technical Specifications

<b>Specifications</b>	<b>MXD-02</b>
<b>Capacity Range</b>	0 ~ 5N
<b>Accuracy</b>	0.5% FS
<b>Stroke</b>	70 mm, 150 mm
<b>Mass of Sled</b>	200 g (Standard) Sled of specific weight could be customized
<b>Test Speed</b>	100 mm/min, 150 mm/min Test speed could be adjusted
<b>Environment Condition</b>	Temperature: 23±2°C Humidity: 20%RH~ 70%RH
<b>Power Supply</b>	220VAC 50Hz / 120VAC 60Hz
<b>Instrument Dimension</b>	630 mm (L) x 360 mm (W) x 230 mm (H)
<b>Net Weight</b>	33 kg

## Configurations

<b>Standard Configurations</b>	Instrument, Micro Printer and Sled of 200g
<b>Optional Parts</b>	Professional Software, Communication Cable and Customized Sled of 500g

**Please Note:** Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at [www.labthink.com](http://www.labthink.com) for the latest updates. Labthink reserves the rights of final interpretation and revision.