Lab Master®Slip and Friction 32-91

The Lab Master® Slip and Friction is designed to precisely determine the friction characteristics of numerous materials. It removes operator variability from the test procedure with specially designed features to control sled placement rate, orientation/angle, dwell time, and removal. The new Windows™ Based Software features: The ability to create user-defined test setup with built-in ASTM, ISO and TAPPI methods, individual test speed selection for both static and kinetic COF, exporting capabilities of graphs or data to Microsoft Excel® and SPC files, and enhanced calibration-verifies existing and new calibration, and keeps a calibration log for ISO record-keeping.

APPLICATIONS

Flexible packaging, Foils, Paper, Corrugated, Coatings, Metal, Wood, Printing, Nonwovens, Rolling resistance, Writing instruments, Medical devices, Composites, Rubber, Linoleum, Textiles and Leather

SPECIFICATIONS

• Selectable speeds from 0.4 to 550 in. per minute (10 to 13,970 mm per min.)

• Travel distance is selectable from 1 to 8.5 in. (25 to 216 mm)

• Meets TAPPI T549 and T816, ASTM D1894 and D4521, DIN 53375, and ISO 15359

FEATURES

• Integrated PC system running Windows™ based software

• User can pre-select test speed, delay time, and test distance

• Units are displayed in gram force or COF

• The ability to create user-defined test setup with built-in ASTM, ISO and TAPPI methods.

• Individual test speed selection for both static and kinetic COF

• A high-speed data acquisition system accurately locates and captures the static peak

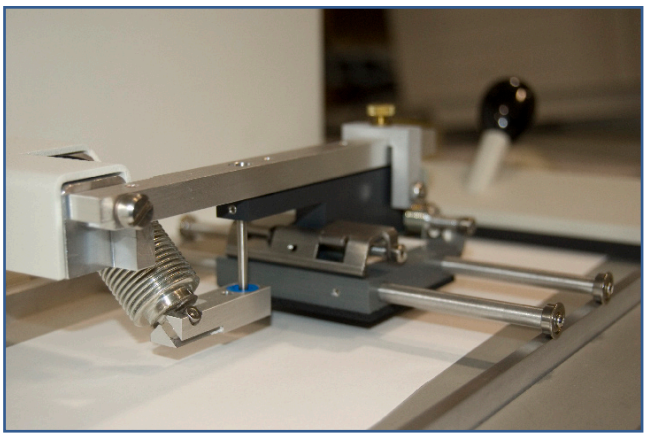
• A computer controlled elevator system automatically lowers and raises the sled at a repeatable rate

• Automated Elevator System removes operator variability from the test procedure with specially designed features to control sled placement rate, orientation/angle, dwell time, and removal

• Optional peel attachment available for 180° adhesion or release measurements

• Optional heated platen available

▲ Electronic calibration system using dead weights



▲ Elevator System automatically raises and lowers sled

SPECIFICATIONS	
Model	32-91-00-0001
Speed Range	0.4 to 550 inches per min (10 to 13,970 mm per min)
Travel Distance	1 to 8.5 in (25 to 216 mm)
Load Cell	50 newtons (11 lb)
Weight	57 lb (26 kg)
Instrument Size W x D x H	25 in x 15 in x 10 in (640 mm x 380 mm x 254 mm)
Electrical	Specify voltage requirements when ordering
STANDARDS	
TAPPI T549	Coefficients of Static and Kinetic Friction of Uncoated Writing and Printing Paper by Use of the Horizontal Plane Method
TAPPI T816	Coefficient of Static Friction of Corrugated and Solid Fiberboard (Horizontal Plane Method)
ASTM D1894	Standard Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting
ASTM D4521	Standard Test Method for Coefficient of Static Friction of Corrugated and Solid Fiberboard
DIN 53375	Plastics: Determination of carbon black content of polyefins and its products. Part 1: Nitrogen atmosphere test
ISO 15359	Paper and board -- Determination of the static and kinetic coefficients of friction -- Horizontal plane method
ISO 8295	Coefficient of Friction- Plastics - Film and sheeting --

Main Headquarters

Testing Machines Inc.
40 McCullough Drive
New Castle, DE 19720
Tel: (302) 613-5600
Fax: (302) 613-5619
Info@testingmachines.com

Büchel BV
t/a Messmer Büchel
Fokkerstrat 24, 3905 KV
Veenendaal, Netherlands
Tel:+31 (0)318 521500
Fax:+31 (0)318 540358

Lako Tool and Manufacturing Inc.
7400 Ponderosa Road
Perrysburg, Ohio 43552
Tel: (419) 662-5256
Fax: (419) 662-8225

Lawson Hemphill
1658 G A R Highway
Swansea, MA 02777 USA
Tel: (508) 679-5364
Fax: (508) 679-5396
Information@
lawsonhemphill.com

Adamel Lhomargy SARL
Z.A. de l'Habitat, Bâtiment
6 Route d'Ozoir, 77680
Roissy en Brie, France
Tel:+33 (0) 1 64402910
Fax:+33 (0) 1 64409211

TMI Canada
40 McCullough Drive
New Castle, DE 19720
Tel: (302) 613-5600
Fax: (302) 613-5619
canada@testingmachines.com

www.testingmachines.com ***www.lakotool.com*** ***www.lawsonhemphill.com***