Testing Machines Inc., is globally recognized as the leading supplier of Coefficient of Friction instrumentation. Our NEW 32-76 Coefficient of Friction Tester uses advanced digital force signaling and high speed data acquisition software providing unmatched precision and repeatability in COF testing.

Improved features include a color touchscreen display and intuitive software user interface for easy navigation and test method storage.

Based on the horizontal plane method, coefficient of friction and slip properties aid in the evaluation of chemicals and additives used to create, monitor or minimize the degree of friction between two contacting test specimens or surfaces.

**FEATURES**

- 7” full-color digital touchscreen display
- High speed data collection and analysis for precise measurement of static COF with 500 readings during the first second
- Selectable units (COF or grams)
- Available load cells 5N, 10N, 20N, 50N and 100N
- Automatically reports static and kinetic friction results after measurement
- Settable distance and time for Static and Kinetic
- Test storage including individual results up to 200 readings, average and standard deviation
- Direct drive arm with unique skid control
- Sled-connecting mechanism ensures level pulling action
- Software accepts variable sled weights
- Direct output to PC based GraphMaster software providing friction curve analysis and storage
- Micro USB output for PC connection and printer (GraphMaster compatible)

**APPLICATIONS**

Plastics film, packaging, paper, labels, coatings, cartons, foils and printed materials

**STANDARDS**

Meets ASTM D 1894, ISO 8295, TAPPI T 549, ISO 8295

*New magnetic sled eliminates taping sample to sled and reduces testing time.*
# Coefficient of Friction Tester

## Model 32-76

**Test screen displays static and kinetic results and statistics on one screen, improving testing efficiency.**

**Directly interfaces to GraphMaster for data collection and curve analysis.**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>32-76-00-0001</th>
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</thead>
<tbody>
<tr>
<td>Load Cells</td>
<td>Interchangeable load cells: 5N, 10N, 20N, 50N and 100N (includes 10N load cell)</td>
</tr>
<tr>
<td>Speed Range</td>
<td>5 to 43 cm per minute (2 to 17 inches per minute)</td>
</tr>
<tr>
<td>Travel Distance</td>
<td>2.5 to 30.5 cm (1 to 12 in)</td>
</tr>
<tr>
<td>Available Sleds</td>
<td>100 Gm - 1816 Gm (System software accepts variable sled weights) Please specify sled</td>
</tr>
<tr>
<td>Weight</td>
<td>25 kg (55 lb)</td>
</tr>
<tr>
<td>Instrument Size</td>
<td>515 mm x 495 mm x 508 mm (20.3 in x 19.5 in x 20 in)</td>
</tr>
<tr>
<td>Power</td>
<td>120/240 VAC 50/60 Hz</td>
</tr>
<tr>
<td>Output</td>
<td>USB flash drive, USB ESC/POS printer, RS232, GraphMaster™ software</td>
</tr>
</tbody>
</table>

### STANDARDS

- **TAPPI T549**
  - Coefficients of Static and Kinetic Friction of Uncoated Writing and Printing Paper (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
- **ISO 8295**
  - Plastics-Film and Sheeting-Determination of the Coefficients of Friction

### OTHER MODELS AVAILABLE

- **32-25-00**
  - Incline plane Coefficient of Friction Tester. Meets TAPPI T-815 and ASTM D202 with optional blocks

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