

Coefficient of Friction Tester

a measurable difference...

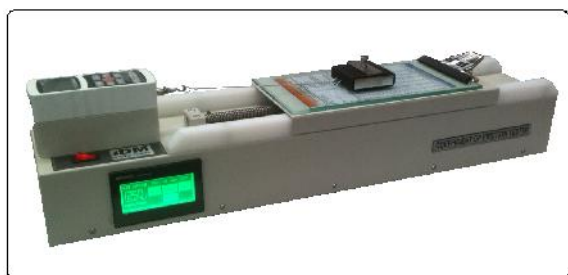
Model: C0008

IDM[®]
instruments

This extremely easy to use IDM Coefficient of Friction Tester is used to determine the static and kinetic friction of plastic film, sheeting, paper and other sheeted material. The Coefficient of Friction Tester can measure Static COF (peak) from a resting position and continue to move testing surfaces in a relative motion to give an accurate kinetic COF (dynamic) result. This COF Tester employs a stationary sled with a moving plane. The test plane automatically returns to the start position after testing is complete. With the option of a computer software package to record data, the IDM COF Tester has proven itself to be a fast, reliable and accurate method of determining coefficient of friction in various areas of manufacturing.



Model C0008



Model C0008-VS

The C0008-VS model has all the same features as the C0008 with the addition of speed from 50 – 300mm/min using a stepper motor for accurate variable speed control. It also has a home setting so that once you have completed a test and unloaded your sample it will return to the start point "HOME" ready for the next sample. All the motion run controls are via a LCD touch screen for stop, start, home and speed changes. This COF tester is the next level in accurate and precise COF measurement for static and kinetic results, as with the C0008 Peel Testing and Heated Platen Testing can also be carried out on this model.

	C0008	C0008-VS
Force Range:	1-10N (1 x 0.001kgF)	
Accuracy:	± 0.2% of full scale	
Friction Function:	Static/Kinetic	
Selectable Units:	kgF, lbF, N, COF, ozF, gF	
Speed:	150	50-300
Sled Weight:	200 ± 2g	
Sled Size:	63mm x 63mm	
Plane:	150mm x 300mm	
Communication:	USB	
Cutting Templates:	1x Sled & 1x Moving Plane	
Travel Distance:	220mm	

Coefficient of Friction Tester

Model: C0008

a measurable difference...



Applications:

- Flexible Packaging
- Metal
- Printing
- Coatings
- Composites
- Linoleum
- Foils
- Paper
- Rubber
- Plastics

Options:

- **C0008-13:** 180° Peel Fixture
- **C0008-VS:** Variable Speeds
- **C0008-6:** Software with Real-time curve
- **C0008-1:** Heated platen ambient to 175°C

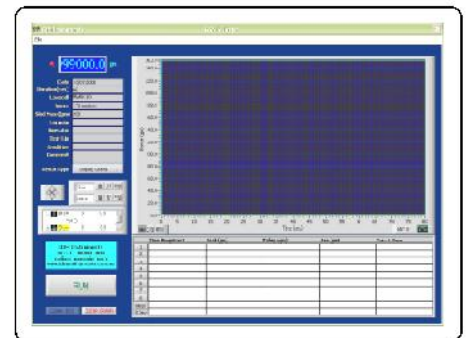


180° Peel Fixture

Software:

The C0008 has the option of a computer software package to record data.

- Dynamic real-time display
- Statistical analysis
- Results averaging
- Screen print out
- Data export to Excel
- Test identification entry
- Peak force value
- Static Point
- Kinetic average
- Adjustable data collection limits



Heated Platen:

The heated platen allows for testing at elevated temperatures, ideal for plastic film testing. Its small bench top design makes it easy to be used in a laboratory or setup out on the production floor for offline testing as needed.

The temperature range from: Ambient - 170°C

Plane Dimensions: 150 x 300mm



Heated Platen



Standards:

- ASTM D 1894
- TAPPI 549
- Optional - ISO 8295
- ISO 8295 (COF for Plastics)
- TAPPI T816 (COF for Corrugated and Paperboard)
- TAPPI T549 (COF for Uncoated Writing & Printing Paper)
- ASTM F88 (Seal Strength for Flexible Barrier Material)
- ASTM D3330 (Peel Adhesion for Pressure Sensitive Tape 180°)
- ASTM D4521 (COF for Corrugated/Fibreboard)
- ASTM D2534 (Coefficient of Kinetic Friction for Wax Coatings)

Dimensions:

- **H:** 170mm
- **W:** 160mm
- **D:** 760mm
- **Weight:** 17kg

Connections:

- **Electrical:** 220/240 VAC @ 50 HZ or
110 VAC @60 HZ
(please specify when ordering)