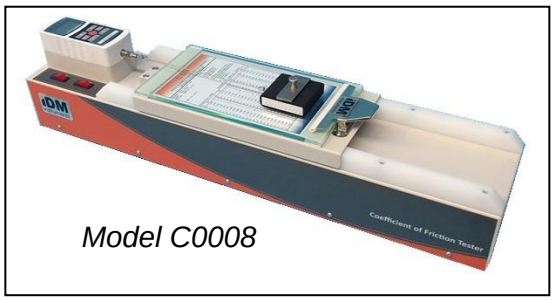
Coefficient of Friction Tester

Model: C0008

a measurable difference...

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.

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 acuate 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:	150mm/min	50-300mm/min
Sled Weight:	200 ± 2g	
Sled Size:	63mm x 63mm	
Plane:	150mm x 300mm	
Travel Distance:	220mm	
Communication:	USB	
Cutting Templates:	1x Sled & 1x Moving Plane	

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IDM® instruments

Applications:

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

Options:

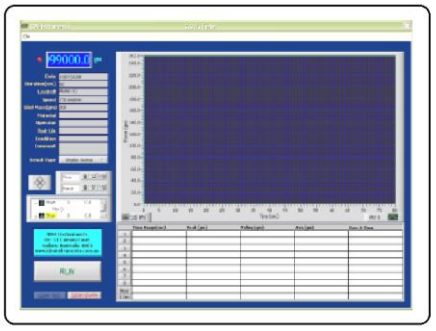
- **C0008-13:** 180° Peel Fixture
- **C0008-VS:** Variable Speeds
- **C0008-6:** Software with Real-time curve
- **C0008-1:** Heated platen ambient to 175°C

180° Peel Fixture

Software:

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

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



Heated Platen:

The heated platen allows for testing at elevated temperatures, ideal for plastic film testing. It's 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

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Standards:

- ASTM D1894
- ASTM D2534 (Coefficient of Kinetic Friction for Wax Coatings)
- ASTM D3330 (Peel Adhesion for Pressure Sensitive Tape 180°)
- ASTM D4521 (COF for Corrugated/Fibreboard)
- ASTM F88 (Seal Strength for Flexible Barrier Material)
- ISO 8295 (COF for Plastics)
- TAPPI 549
- TAPPI T816 (COF for Corrugated and Paperboard)
- TAPPI T549 (COF for Uncoated Writing & Printing Paper)
- Optional - ISO 8295

Dimensions:

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

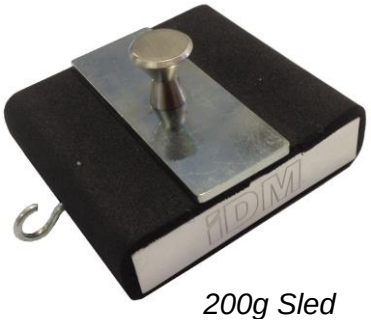
Connections:

- **Electrical:** 220/240 VAC @ 50 HZ or
  110 VAC @60 HZ

(please specify when ordering)

Spare Parts Available:

Sample Cutting Templates



200g Sled

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