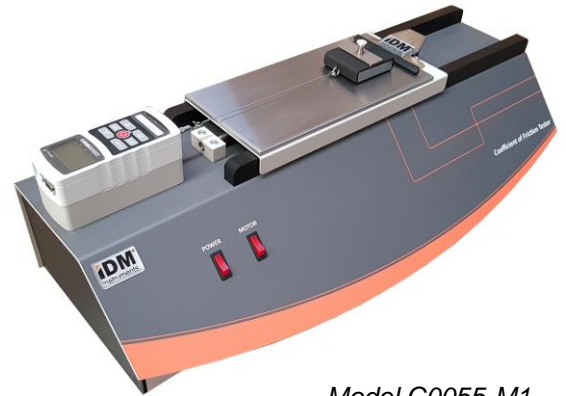




IDM's Coefficient of Friction Testers have proven to be a fast, reliable and accurate method of determining coefficient of friction. Our range of COF Testers are used to determine the static and kinetic friction of plastic film, sheeting, paper and other sheeted material coatings. Their small bench top design makes it easy to use in a laboratory or setup out on the production floor for offline testing as needed.

The standard **C0055-M1** unit 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 model features a stationary sled with a moving plane and also comes with the option of computer software to record data – see *Software*. Peel Testing can also be carried out on this unit – see *Options*.



Model C0055-M1

Model C0055-M3



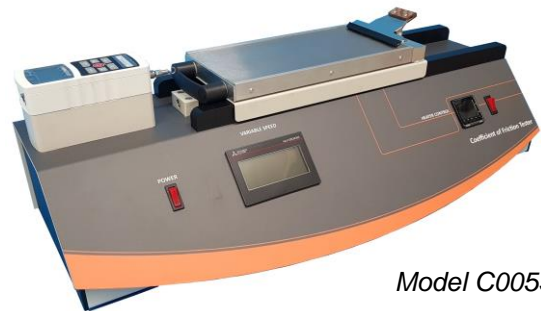
C.O.F with Variable Speed

The **C0055-M2** model has all the same features as the C0055-M1 with the addition of variable speed from 50 – 300mm/min using a stepper motor for accurate variable speed control. Once a test is completed and the sample has been unloaded, the unit will return to the start point “HOME” ready for the next test. Controls are via an LCD touch screen for stop, start, home and speed changes. This

model is the next level in accurate and precise COF measurement for static and kinetic results and comes with the option of computer software to record data – see *Software*. Peel Testing can also be carried out on this unit – see *options*.

C.O.F with Variable Speed & Heated Platen

With variable speed, touch screen operation & in-built heated platen, model **C0055-M3** is most ideal for plastic film testing. The temperature range on this unit is between ambient to 170°C, allowing for testing at elevated temperatures. This model also comes with the option of computer software to record data – see *Software*. Peel Testing can also be carried out on this unit – see *options*.



Model C0055-M3



Applications:

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

Specifications:

	C0055-M1	C0055-M2	C0055-M3
Type:	COF Standard	COF with Variable Speed and touch screen operation	COF with Variable Speed, touch screen operation and Heated Platen
Force Range:	1-10N (1 x 0.001kgF)		
Accuracy:	± 0.2% of full scale		
Friction Function:	Static and 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		

Options:

- C0055-OP1:** COF Data Acquisition Software *(not available for rent)*
- C0055-OP2:** 180° Peel Fixture Rod
- C0055-SP1:** Updated COF Software *(only if C0055-OP1 has been previously purchased)*
- C0055-SP2:** IDM Interface Cable
- C0055-SP3:** Cutting Template for Sled: 63.5mm x 63.5mm
- C0055-SP4:** Cutting Template for Moving Plane
- C0055-SP5:** Solid Connecting Rod
- C0055-SP6:** COF Sled 200g
- C0055-SP7:** Spare Stainless Steel Plane Surface



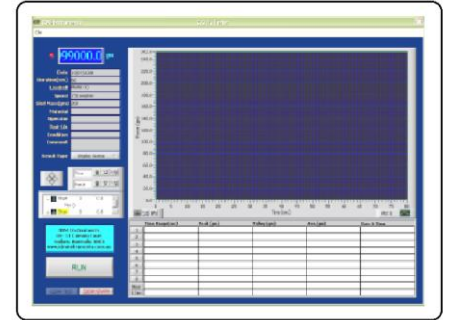
C0055-OP2: 180° Peel Fixture



Software:

The C0055 range also 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



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:



C0055-SP3: Cutting Template
for Sled: 63.5mm x 63.5mm

C0055-SP4: Cutting Template
for Moving Plane



C0055-SP6: COF Sled 200g