

Coefficient of Friction (COF) Tester (Static + Dynamic Friction)

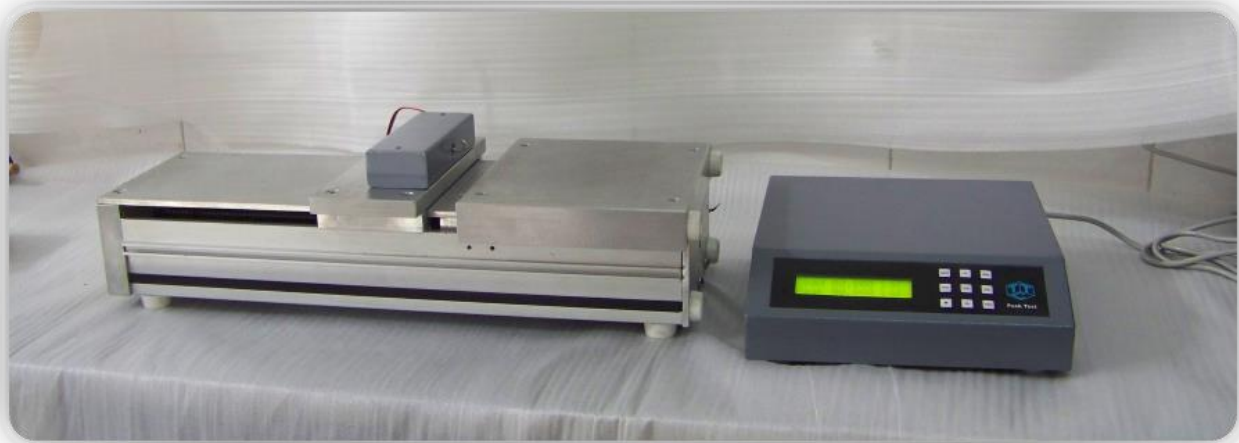
When plastic films run on production lines, they come in contact with various parts like Metal Rollers, Hoppers, Chutes, Conveyors, etc. And every time there is a contact, there is also friction.

Friction is good. It keeps things moving.

Low or high friction is bad as it can lead to undesirable results. High Friction can cause scuffing of the film surface, it can lead to film stretching or breaking. It can also lead to mis-registration while sealing and cutting on FFS operations. High friction can cause jamming in chutes. Low Friction can cause a product to fall off conveyors too.

Coefficient of Friction Tester (COF) is an equipment to test the Static and Dynamic Coefficient of Friction of Paper, Paper Board, Plastic Films, Laminates, etc.

Automatically measures both Static COF and Dynamic COF values in a single test cycle.



The test can be performed in the following configuration :

- Paper vs Paper / Metal / Glass
- Film vs Film / Metal / Glass

Visit us at www.PackTest.com



Manufactured in INDIA by :
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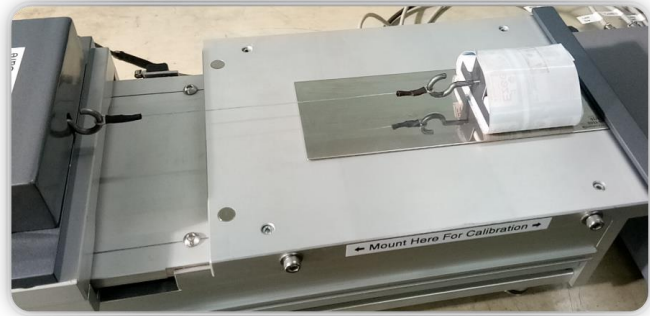
Importance : Keeping the COF in control can sort out many run-ability issues on fully automatic packing lines.

Technical Specifications :

Motorized automatic model <https://youtu.be/7fIZp6ZQtqk>
Digital Model with Backlit LCD Display for easy readability.
With user-friendly instructions on LCD display.
With Embedded Push Button Control on Digital Indicator / Controller.
With Ball-Screw driven actuator for smooth and maintenance-free operation.
With Hybrid Stepper Motor with Stepper Drive for precise speed control.
Vibration / Noise Free operation.
Automatic Calculation of Static & Dynamic COF. No Calculation Required.
with facility to measure Dynamic (Kinetic) and Static Friction.
with Auto-Calibration facility (Calibration weight provided with machine)
Suitable to test COF of Paper, Paper Board, Plastic Films, Laminates, etc.
Confirming to TAPPI – T 549 / ASTM D – 1894 specifications.
Includes 200gm Sled.

Model # M1D-S

With 1 Kg Loadcell
0.0005 cof resolution
Very Sensitive Model.
Recommended for R&D lab setup.



Model # M10D-S

With 10 Kg Loadcell
0.005 cof resolution
Rough-n-Tough Model.
Recommended for QC / QA laboratory setup.

Optional :

Data Acquisition System (PC Software) For Upgrade to Fully Automatic Model

Full Controls via computer.
With Computer Uplink Facility for Data Processing
Reporting of Static as well as Dynamic friction component.
Test Report Printing Facility (Load vs travel graph)
(Includes Software and Linking Hardware. PC & Printer to be provided by you.)

Utilities Required (To be supplied by the buyer) :

- 1) Power Supply : 230/110 Volts AC at 50/60 Hz. (Fluctuation Free Power required)
- 2) Desktop PC or Laptop PC (if Data Acquisition System is selected.)

IQQQ Documentation Set available for Pharmaceutical companies only

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