

COEFFICIENT OF FRICTION



The BRAVO COF Prime

Ordering Information



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COF PRIME

The BRAVO COF Prime Coefficient of Friction Tester - Standard unit can measure the static & kinetic COF (peak). The COF tester can measure COF of paper, plastic, films, Static is from a resting position. To measure, it continually moves testing surfaces in a relative motion to give an accurate kinetic COF (dynamic) result.

Specification

Load Cell Capacity : 6 N
Height Accuracy Load : ± 0.3 FS
Sledweights : 200g
Selectable speed from : 25 to 800 mm/min
Selectable Travel Distance upto : 185mm
BlackCOF Software
Data Transfer Rate to PC 1kHz.
USB Communication

Standards

ASTM D1894 Plastics — Film and sheeting
ASTM D2534 for Wax Coatings
ASTM D4521 for Corrugated/Fibreboard
ISO 8295 COF for Plastics
TAPPI 549 Uncoated Writing and Printing Paper by Use of the Horizontal Plane Method
TAPPI T816 Corrugated and Solid Fiberboard (Horizontal Plane Method)

Applications

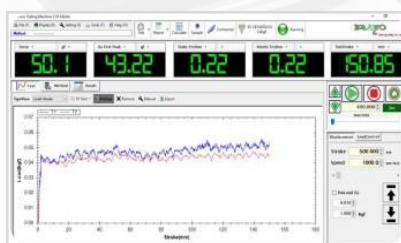
Flexible packaging, Metal, Printing, Coatings, Composites, Linoleum, Foils, Paper, Plastics, Rubber, Cardboard box



Advanced analysis with BlackCOF software

The BlackCOF software enhances the reporting capabilities of the instrument. While the software is provided with a library of test methods meeting the most common industry standards, the user can create custom test methods to meet their specific testing needs including complex motion, analysis and reporting.

- Intuitive user interface to simplify testing
- Comprehensive library of test methods
- Easily create/modify/save test setups
- Automatic graphical analysis of each test
- SQLite database captures tests automatically
- Recall historical data
- User defined test report variables
- Calculated Statistics : Mean, Max, Min, SD, COV
- Automatic data export to Excel & PDF
- Complex motion and data analysis available



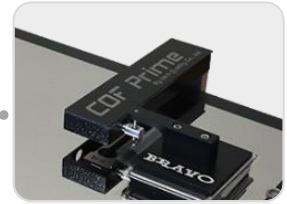
Test	Method	Result
<input checked="" type="checkbox"/> Auto Zero before Test	Return Speed : 300.0 mm/min	
<input checked="" type="checkbox"/> Auto Save after Test Complete	Load Protect : 50 %	
<input checked="" type="checkbox"/> Auto Return to home after Test	Load : 0.30 kgf	

Static Friction	Kinetic Friction
0.37	0.31
Force : 30.7 gf	At First Peak : 73.90 gf

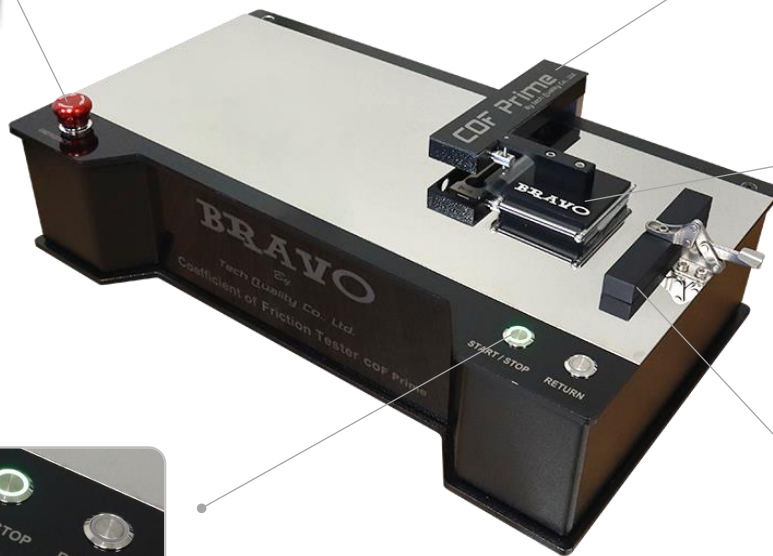
COEFFICIENT OF FRICTION



Emergency



Load cell



Sled weights

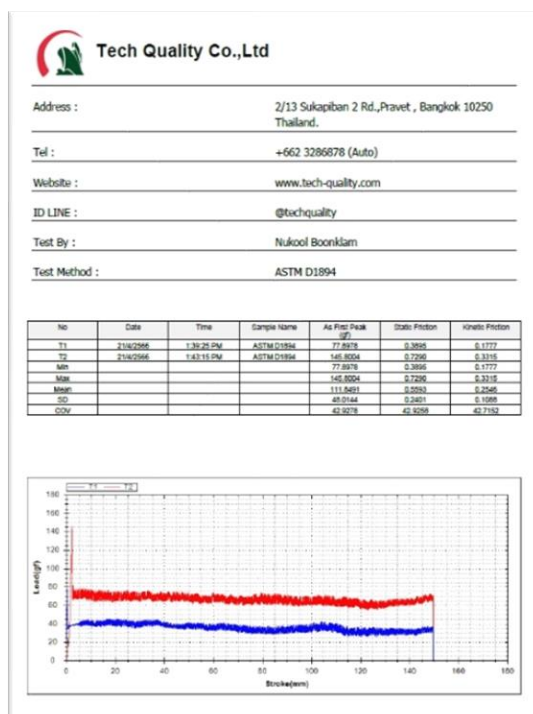


Spring Clip Clamp



Start / Stop & Return

Reports & Exporting



- Export of data to Microsoft Excel
- PDF User design Reports