

# hanatek



[www.hanatekinstruments.com](http://www.hanatekinstruments.com)

## CFT Compact Friction Tester

- Static and dynamic coefficient of friction
- Fast, repeatable measurements
- Compliant to multiple standards

Hanatek products are exclusively  
manufactured and distributed by

 **RHOPPOINT**  
INSTRUMENTS

# CFT Compact Friction Tester

VERSATILE INSTRUMENT • REPEATABLE MEASUREMENTS • EASY TO USE

The Compact Friction Tester provides detailed information of the slip characteristics of packaging material.



Surface slip is a key factor when printing, erecting or filling packaging materials on an automatic line. Friction parameters help the manufacturer understand how the finish of a blown film or printed carton can influence the feeding and running speed.

In addition to these values the CFT produces detailed force graphs and statistics of multiple tests that can be printed to date / time stamped label (optional extra).

## MEASURING FRICTION

The Hanatek CFT measures both static and dynamic coefficients of friction.

**Static Friction:** The initial force required to make two surfaces slip against each other.

**Dynamic Friction:** The ongoing force required to maintain movement between two surfaces.

**How is friction measured using the CFT?** A sample of 63.5mm<sup>2</sup> with a weight acting over the entire surface area is moved over another sample at a given speed. Static and dynamic COF are automatically calculated and displayed on screen.

This is typically a face to face test.

Exact test parameters are specified in ASTM D1894, ISO 8295, ISO 15359, ASTM D2534, TAPPI T549.

## FEATURES

- Single touch button to initiate tests based on defined test parameters
- Automatic sled placement with variable dwell times give more repeatable static slip results



## FEATURES

- Graphical representation of forces during test
- Static and dynamic COF results displayed on screen immediately after test
- Full statistical analysis of test results can be printed to Hanatek label printer for easy reporting
- Pre-loaded ISO/ASTM/TAPPI test methods
- Easy load sled for fast sample preparation
- Easy sample mounting



- Suitable for use in the production or laboratory environment
- Optional results printer



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CFT Friction Tester	
Model No:	CFT200
Lot Number:	201505
Test Date:	23/01/2015
Test Time:	11:15
COF Static	
0.030	
COF Dynamic	
0.025	
Sled Mass:	200 g
Speed:	500 mm/min
Distance:	500 mm
Dwell:	5 sec

## APPLICATIONS



Cartons



Paper



Leather



Plastic film



Coatings



Textiles



Printed packaging



Printed paper



Labels



Foils

## TOUCH SENSITIVE INTERFACE

The CFT uses an intuitive touch sensitive interface making it incredibly easy to use.



# CFT Compact Friction Tester

## INSTRUMENT SPECIFICATIONS

<b>STANDARDS</b>	ISO 8295, ISO 15359, BS 2782 pt 8, ASTM D1894 TAPPI 549 and T816
<b>RESOLUTION</b>	0.1g / 0.001 COF
<b>ACCURACY</b>	0.5g
<b>SPEED</b>	User definable, 100-1200 mm/min
<b>DISTANCE</b>	User definable, 10-120 mm
<b>POWER</b>	110/240V 50/60Hz
<b>SLED</b>	200g
<b>WEIGHT</b>	5.5kg
<b>DIMENSIONS</b>	(H) 135mm x (W) 365mm x (D) 254mm
<b>PACKED WEIGHT</b>	7.5kg
<b>PACKED DIMENSIONS</b>	(H) 310mm x (W) 380mm x (D) 455mm
<b>COMMODITY CODE</b>	9024 8011

## OPTIONAL ACCESSORIES

- Universal sample cutter for the simple preparation of samples. Suitable for a variety of substrates.



- Results printer



<b>hanatek</b>	
CFT Friction Tester	
Model:	0020
Total Ounces:	35611016
Test Time:	11.11
COF Static	
	<b>0.030</b>
COF Dynamic	
	<b>0.025</b>
Sled Mass:	200 g
Speed:	500 mm/min
Distance:	120 mm
Time:	5 sec

## ORDER CODES

Instrument:	HAN-A6050FRICTION
Printer:	RL-B-PRINTER
Sample Cutter (Film):	RL-A80-002
Sample Cutter (Board):	RL-A80-003

## INCLUDED ACCESSORIES

- 200g sled
- UKAS traceable calibration certificate
- Cutting template and knife



Certificate no: FM 29741  
ISO 9001:2008



LOCAL AGENT



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