



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

**HANATEK** **CFT**  
COMPACT FRICTION TESTER

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

# 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 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, 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



<b>HANATEK INSTRUMENTS</b> <small>10000 10000</small> <b>CFT Friction Tester</b> <small>Model: CFT0001</small> <small>Lot: 201501</small>	
Test Date:	23/01/2015
Test Time:	11:15
<b>COF Static</b>	<b>0.030</b>
<b>COF Dynamic</b>	<b>0.025</b>
Sled Mass:	200 g
Speed:	500 mm/sec
Distance:	500 mm
Dwell:	5 sec

## TOUCH SENSITIVE INTERFACE

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



## APPLICATIONS



Cartons



Paper



Leather



Plastic film



Coatings



Textiles



Printed packaging



Printed paper



Labels



Foils

# CFT Compact Friction Tester

## INSTRUMENT SPECIFICATIONS

<b>STANDARDS</b>	ISO 8295, 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

## 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

## OPTIONAL ACCESSORIES

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



- Results printer



<b>HANATEK INSTRUMENTS</b> The Manufacturer of the CFT Friction Tester	
Test Date:	23/01/2015
Test Time:	11:15
<b>COF Static</b>	<b>0.030</b>
<b>COF Dynamic</b>	<b>0.025</b>
Sled Mass:	200 g
Speed:	800 mm/sec
Distance:	500 mm
Dwell:	5 sec



Certificate no: FM 29741  
ISO 9001:2008

## LOCAL AGENT



Rhpoint Instruments Limited • Rhpoint House  
Enviro 21 Park • Queensway Avenue South • St Leonards-on-Sea  
East Sussex • TN38 9AG • UK • Tel: +44 (0) 1424 739623  
sales@hanatekinstruments.com • www.hanatekinstruments.com