

# **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 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





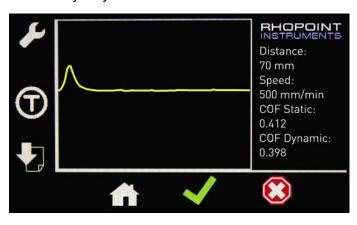
- Suitable for use in the production or laboratory environment
- Optional results printer





#### 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

**STANDARDS** ISO 8295, ISO 15359, BS 2782 pt 8,

ASTM D1894 TAPPI 549 and T816

**RESOLUTION** 0.1g / 0.001 COF

**ACCURACY** 0.5g

**SPEED** User definable, 100-1200 mm/min

DISTANCE User definable, 10-120 mm

**POWER** 110/240V 50/60Hz

**SLED** 200g WEIGHT 5.5kg

**DIMENSIONS** (H) 135mm x (W) 365mm x (D) 254mm

**PACKED WEIGHT** 

PACKED DIMENSIONS (H) 310mm x (W) 380mm x (D) 455mm

**COMMODITY CODE** 9024 8011

#### ORDER CODES

HAN-A6050FRICTION Instrument:

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











po box 1150 mountain gate 3156 tel: +61 3 9752 3766 fax: +61 3 9752 3977

website: www.novasys.com.au e-mail: info@novasys.com.au

hanat∈k

Rhopoint Instruments Limited | Rhopoint 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

