

CF-800XS Coefficient of Friction Tester

mocon[®]



Don't "Slip up" with Coefficient of Friction

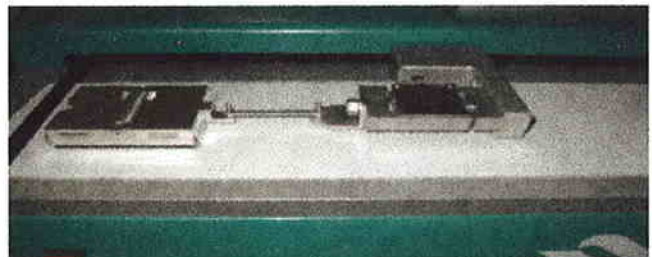
The production of any wrapped product relies on the film, laminate foil or coated papers and board having the right additives to allow the material to efficiently slip over complex packaging machines to form tubes, pouches, bags and over wraps.

The CF800XS Coefficient of Friction Tester is designed to determine the friction properties of plastic films, foils, laminates, papers and boards. The equipment performs tests to most of the recognized international test standards including BS 2782 method 824A and ASTM 1894-78.

The equipment is essential for measuring the slip properties of packaging materials to ensure smooth running on production packaging machines or to measure the effect that a coating or print has on base material.

The new CF800XS features the latest in design and technology for machine set up, testing, measurement and recording using touch panel screen display units.

The constant, smooth lead screw driven cross arm ensures reliable and repeatable measurement. Other benefits include: Vacuum suction on the bed to clamp the material, optional temperature control circuit to heat the bed for 'hot slip' values, together with analogue recorder output and RS232 output for either chart recorder logging or computer data logging of results.



Sled attached on slip tester bed

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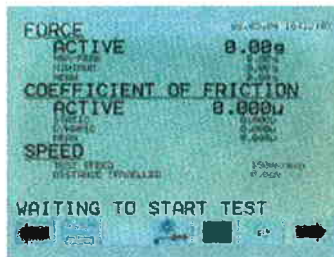
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STANDARD EQUIPMENT SUPPLIED:

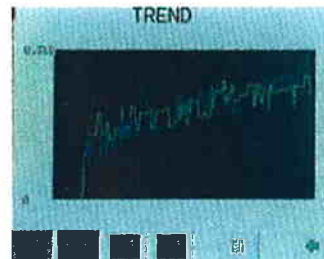
- Templates for the cutting of test samples for bed and sled
- Check weight

OPTIONS AVAILABLE:

- Temperature circuit for HOT SLIP measurement
- Software package for data logging via RS232 link
- Ski sled 100g for measurement of stainless steel on test material
- Bed inserts to give test comparison with different metals



Measurement Screen



Trend Screen

Specifications:

Bed material:	Natural anodised cast aluminium
Sled material:	Anodised aluminium with foam contact pad with density of 0.25/cm
Speed control:	10 – 1000mm/min +/- 10mm/min
Force reading:	0-1000.0 grammes +/- 0.25% Fro (other loads can be specified)
C of F reading:	Calculated value from sled used 0-1.00 +/- 0.25% Fto
Touch panel screen:	LCD, 256 Colour, QVGA, 320 x 240 pixels, 14.48cm diagonal viewing Touch screen, analogue resistive (gonze) with serial controller Processor Geode SC2200. 266 MHz MMX compatible 2 mbyte, on board flash memory for firmware 64 MB Dram main memory
Vacuum:	Air pressure of 80 – 100 PSI supply with venture generated vacuum pulling +90 % vacuum
Temperature:	Ambient to 100 C +/- 5 C (when specified)
Drive:	DC synchronous motor/gear box driving ball screw and crosshead
Speed feedback:	Via in line encoder
Output:	RS232 C
Power:	80 – 240 VAC single phase 50/60 Hz 0.75 KW max

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