

CF-800XS Co-Efficient of Friction Tester

THE CF-800XS CO-EFFICIENT OF FRICTION TESTER DETERMINES THE STATIC AND KINETIC FRICTION PROPERTIES OF PLASTIC FILMS, FOILS, LAMINATES, PAPERS AND BOARDS. THE EQUIPMENT PERFORMS TESTS TO RECOGNISED INTERNATIONAL TEST STANDARDS INCLUDING BS 2782 METHOD 824A, ASTM 1894, ISO 8295, AND TAPPI T549.



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 CF-800XS 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.



Trend Display



Results Display

Specification

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:	240 VAC single phase 50/60 Hz (110V AC available on request) 0.75 KW max
Environment:	5-50C ambient operating temperature, RH 75% max (non-condensing)

Standard Accessories

- * Templates for cutting test samples for bed and sled
- * Check weight

Options

- * 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
- * Peel attachment for 90 and 180 deg peel test

