

CF-800XS

Coefficient of Friction Measuring System



The CF-800XS Coefficient of Friction Tester has been designed to **determine the friction properties of plastic films, foils, laminates, papers and boards**. The equipment performs measurements to most of the recognised international test standards including

- **BS 2782 pt 8: Method 824A: 1984 and 1996**
- **ASTM D1894-78**
- **DIN 53375**
- **ISO 8295: 1995**
- **JIS K 7125: 1999**

The equipment is essential to measure the slip properties of packaging materials to ensure smooth running on production packaging machines or the effect 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**.

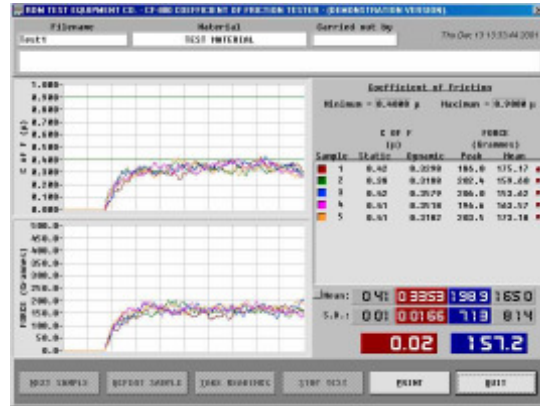
Further benefits are:

- Vacuum suction on the bed to clamp the material
- Temperature control circuit to heat the bed for 'hot slip' values
- Data logging of results via RS232 interface using the optional Windows based software package

CF-800XS Coefficient of Friction Measuring System



Open sled



PC software for data evaluation

Technical Specification:

Bed material:	Natural anodised cast aluminium
Sled material:	Anodised aluminium with foam contact pad with density of 0.25/cm
Speed control:	10 - 1000 mm/min +/- 10 mm/min
Force reading:	0 - 1000 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 Colours, QVGA, 320 x 240 pixels, 14.48 cm diagonal viewing. Touch screen, analogue resistive (gonze) with serial controller Processor Geode SC2200. 266 MHz MMX compatible. 2 MB, 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 V AC single phase 50/60 Hz 75 KW max.