

# Coefficient of Friction Tester

*a measurable difference...*

Model: C0049

**IDM**<sup>®</sup>  
instruments

The C0049 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 recognised international test standards including ISO 8295 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 C0049 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.



## 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 grams +/- 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, 14.8cm 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, 64MB Dram main memory

## Specifications Continued:

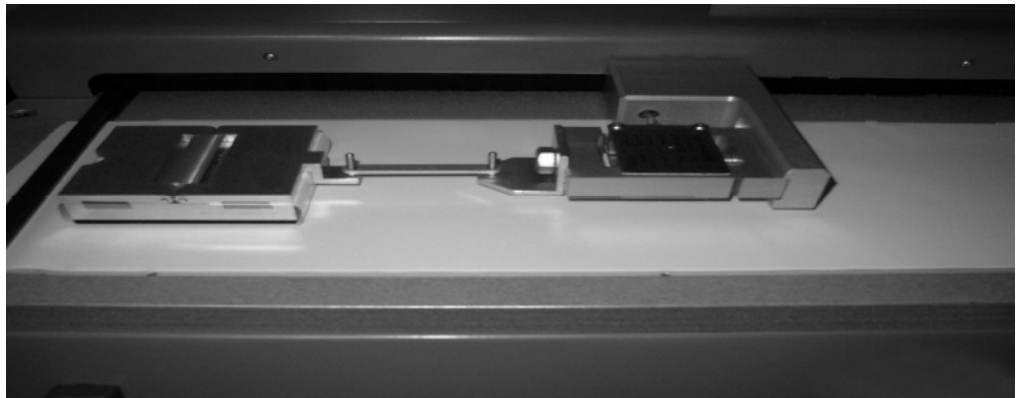
- **Vacuum:** Air Pressure of 80 – 100 psi supply with venture generated vacuum pulling +90% vacuum
- **Temperature:** Ambient to 100°C +/- 5°C (when specified)
- **Drive:** DC synchronous motor/gear box driving ball screw and crosshead
- **Speed Feedback:** Via in line encoder
- **Output:** RS232 C
- **Power:** 80 – 240 VAC single phase 50/60 Hz 0.75 KW max

## Benefits:

- Easy to use
- Fast results
- Accurate

## Standards:

- ISO 8295
- ASTM 1894-78



Sled attached on slip tester bed

## 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