

TESTING INSTRUMENTS FOR  
*A MEASURABLE DIFFERENCE...*

**IDM**  
instruments

# INCLINE PLANE COEFFICIENT OF FRICTION TESTER

MODEL IDM-C0045-M1



## INTRODUCTION

This instrument is used to determine the coefficient of static friction of most packaging materials by measuring the angle at which one test surface begins to slide against another inclined surface as the incline is increased at a constant and prescribed rate.

As the plane rises at a rate of  $1.5^{\circ} \pm 0.5^{\circ}/s$ , the first sign of movement from the sled is detected by a micro switch, stopping the plane movement and recording the relevant angle of the incline. The test is frequently referred to as a slide angle. The coefficient of friction is numerically equivalent to the tangent of that angle.

## FEATURES

- Motor driven
- Angle Inclination: 0 - 60°
- Angle Indication: 0.1°
- Inclined Rate:  $1.5 \pm 0.5^{\circ}/s$

## APPLICATIONS

- Paper
- Plastics
- Film
- Foil
- Coatings

## OPTIONAL ITEMS

### Cutting Templates

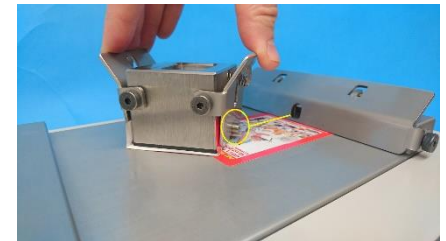
- Cutting Template - Plane: 130 x 140mm (IDM-C0045-OP1)
- Cutting Template - 1300g Sled: 93 x 160mm (IDM-C0045-OP2)
- Cutting Template - 200g Sled: 66.5 x 100mm (IDM-C0045-OP3)

\*Custom size cutting templates are available

### Sleds

- T 548 Sled: 63.1mm x 63.1mm, 200g (IDM-C0045-OP4)
- T 815 Sled: 90mm x 100mm, 1300g (IDM-C0045-OP5)
- D202 Sled: 63.5mm x 76.2mm, 235g (IDM-C0045-OP6)

\*Custom size sleds are available



## STANDARDS

- ASTM D202
- TAPPI T 815
- TAPPI T 548

## CONNECTIONS

- Electrical: 220/240 VAC @ 50 HZ  
or  
110 VAC @ 60 HZ  
(please specify when ordering)

## DIMENSIONS

### Instrument:

- H: 130 mm
- W: 260 mm
- D: 210 mm
- Weight: 8 kg

### Packaged:

- H: 440 mm
- W: 420 mm
- D: 420 mm
- Weight: 11 kg

## WARRANTY AND CALIBRATION SERVICES

- **1 year Warranty**

Our **Preventive Maintenance and Calibration (PM&C) program** has been designed to make the maintenance and calibration of your valuable testing equipment more cost effective by preventing breakdowns and downtime by regular calibration, service and replacement of defective parts. Take to us about this today.

## RELATED ITEMS

1. Manually Operated Incline Plane COF Tester



**IDM-C0054-M1**

2. Use the Coefficient of Friction Tester to determine kinetic and static friction.



**IDM-C0055 Series**