

## EXHIBITION NOTICES:

### UTECH Asia 2008

Venue: Shanghai New International Expo Centre  
Dates: 3<sup>rd</sup> – 5<sup>th</sup> September 2008  
Booth # 1004

## NEW DEVELOPMENT:

### Air Permeability Tester for Plastics



The Digital Air Permeability Tester has been specially designed and manufactured by IDM Instruments Pty Ltd<sup>®</sup> to determine the air leakage of plastic films. It has a sample opening of 5mm, to enable the sample to be inserted as well as a 45° lead in on sample opening and a test area of 250mm x 120mm. The unit also features a low pressure air supply gauge, digital flow meter display, air flow meter - flow range of 0-50 LPM for air @ 1 atmospheric, 20 deg C (sensed before sample). Two (2) activation buttons are used for operation as an added safety feature of the instrument. The litres/min obtained at a pre-set pressure will enable the user to quantify the air leak of perforated plastic film.

### Thickness Gauge for Soft Underlay



The Thickness Gauge Dial & Stand for Soft Underlay has been specially designed and manufactured to measure the thickness of underlays, using a standard mass applied to the Pressure Foot, with relevance to AS 4288 standard. The table size measures 200mm x 200mm and features an adjustment knob. The pressure foot measures Ø35mm. The dial indicator has a resolution of 0.01mm with a measuring range of 30mm. The dial indicator read-out comprises of two

sections – the smaller (inner) diameter reads in mm, and the larger (outside) diameter reads to 0.01 mm, as well as having limit point markers, to set your limit points, when testing the same type of sample over again. The Thickness Gauge is supplied with various weights of pressures: 2kPa, 5kPa, 10kPa, 20kPa, 50kPa and 100kPa, with the option of a guard ring.

**MARK-10**

[Force Gauges](#)



[Profile/PLUS](#)

**celesco**

[Transducers](#)



[Rubber](#)



[Pulp](#)

**eMtec**

[Paper/PDA](#)



[CAS](#)



[Paper/Pulp](#)



[Paper](#)

June 2008

Page 1

## 90° Peel Fixture



Mark-10 have released the all new 90° peel fixture, model G1045, addressing numerous requirements in the packaging and many other industries. The work table moves horizontally while the test stand crosshead moves vertically, thereby maintaining a 90° angle between the table and the direction of pull. The fixture can be used for peel force determination for various items, such as surface coatings, films, tapes, foil seals, and others.

A unique optional feature is a limit switch which stops the motor on a motorized test stand when the slide has reached its end of travel, thereby preventing cable breakage.

[Force Gauges](#)



[Profile/PLUS](#)

**celesco**

[Transducers](#)



[Rubber](#)



[Pulp](#)



[Paper PDA](#)



[CAS](#)



[Paper/Pulp](#)



[Paper](#)

# TECLOCK

## Durometer



Teclock has a range of different types of Durometers for plastics and rubber, which are available from IDM Instruments Pty Ltd<sup>®</sup>. Made in Japan, the Durometers are compliant with various test standards, with the most common units ordered being the Type A (model GS-709N) and Type D (model GS-702N) units. The small handheld units have the following features:

**Spring Load Value:**

**Indenter Shape:**

**Indenter Height:**

**Type A: model GS-709N**

56 – 822 gf  
Truncated Cone  
Ø 0.79 with 35° angle  
2.50 mm

**Type D: model GS-702N**

0 – 4536 gf  
Conical Cone  
R0.1 with 35° angle  
2.50 mm



## Thwing-Albert Spencer Impact Tester



The Spencer Impact attachment was developed by Thwing-Albert to be used with their Elmendorf Tear Tester, to test the impact resistance of plastic films and packaging materials. The clamping mechanism used is operated via air, which ensures the sample is held tight, and the accuracy is maintained at a high level. It consists of a curved metal arm that is permanently attached to the pendulum, which is therefore fitted on the end with an interchangeable impact head that is available in various shapes and sizes. It operates by swinging the impact head through the clamped specimen, and thus the energy required to puncture the sample is recorded.

June 2008

Page 2