

New Premises for IDM Instruments Pty Ltd

As of the 26th October 2006, IDM Instruments Pty Ltd will be relocating. Our new address will be:

**10-11 Colrado Court,
Hallam, Victoria, 3803
Australia**
Ph: 61 3 9708 6885
Fax: 61 3 9708 6770

Please update all your records with the above details from this date.
You can still reach us at our same website and email addresses.

NEW DEVELOPMENT:

Mattress Compression Tester



IDM Instruments Pty Ltd has manufactured the Mattress Compression Tester, used to evaluate a degree of firmness for mattresses and polyurethane, based on a physical property called the indentation force deflection (IFD). This is calculated by determining the force required to deflect the test piece a percentage of its original thickness using a circular indenter.

The Mattress Compression Tester operates using data acquisition software developed by IDM Instruments Pty Ltd. This software package allows the operator to program all tests and display test information when used with a compatible PC. It features floor mount operation for easy mounting of test pieces, capability of testing different sized samples with a circular indenter measuring $934 \pm 5\text{cm}^2$ ($\varnothing 344\text{mm}$)

Thickness Gauge for High Loft Products



The recently manufactured Thickness Gauge for High Loft Products, is designed to measure the thickness of high loft nonwoven material, by means of a digital readout. It is made for highloft nonwoven fabric and textiles, with relevance to ASTM standard.

The Thickness Gauge is manufactured with a pressure foot of 300mm x 300mm, travel range of 200mm, readability of .01 and an accuracy of 0.1mm.

MARK-10

[Force Gauges](#)



[Profile/PLUS](#)

celesco

[Transducers](#)

pti

[Pulp/Paper](#)



[Rubber](#)



[Pulp](#)



[Paper PDA](#)



[CAS](#)



[Paper/Pulp](#)



[Paper](#)



Rotorless Rheometer

Features:

- Can provide curves and values of torque and scorch / curve time, loss angle, tangent delta, CRI, ML, MH etc.
- Can provide plots and percentage of compounding homogeneity variation
- Can evaluate the interaction between rubber chemicals and the required product properties and then recommend some revised formula for matching the property requirements. Through property contour lines, users can easily choose formula matching
- After connecting with data such as density, product thickness, moulding temperature, the rheometer with its measured data can suggest to users the cure time that is suitable for site manufacturing
- Automatically calibrate loss angle values and torque values
- In case of software default, auto-mendable by one touch on designated function key
- Excellent reproducibility and repeatability by DSP analysing program
- Estimate the completing cure percentage (%) on the surface and centre of products under different cure time



MARK-10

[Force Gauges](#)



[Profile/PLUS](#)

celesco

[Transducers](#)

pti

[Pulp/Paper](#)



[Rubber](#)

MARK-10

Low Force Compression Tester



The new compact ES05 test stand is designed for compression testing of up to 30 lb (150 N). Typical applications include switch contact activation testing, small spring testing, peel testing, and more. A spring-loaded lever allows for repeatable testing with up to 1.5" (38 mm) displacement. The lever mechanism can be repositioned along the length of the column, allowing this stand to be used for various sized samples. The ES05's small footprint makes it particularly well suited to crowded workbenches, while its low weight makes it very portable for field auditing or for quick transportation to other testing areas. The ES05 can be used with any Mark-10 force gauge and grips to create a complete testing solution.



[Pulp](#)



[Paper PDA](#)



[CAS](#)



[Paper/Pulp](#)



[Paper](#)

*For further information on any of the above instruments, please contact
IDM Instruments Pty Ltd*