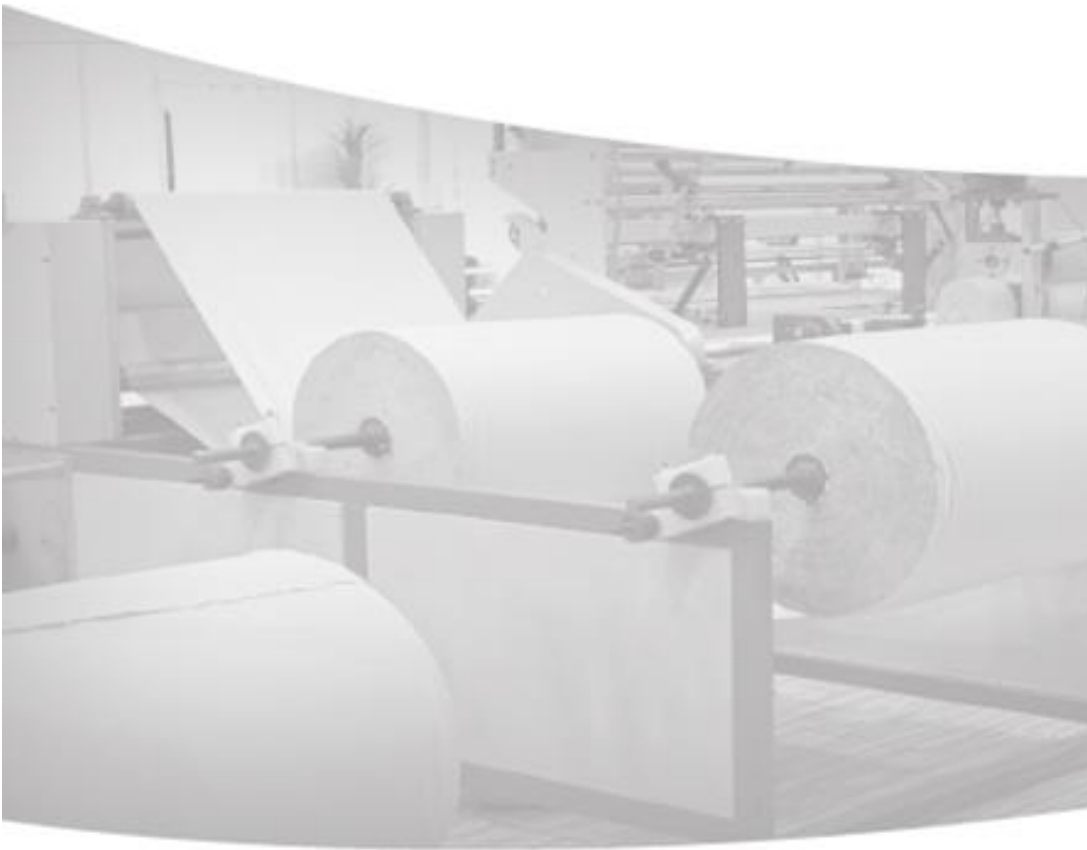


TESTING INSTRUMENTS FOR  
*A MEASURABLE DIFFERENCE...*

**IDM**  
instruments

# PAPER & PULP INDUSTRY INSTRUMENTS



**CATALOGUE**

## ABOUT US

IDM Instruments Pty. Ltd. is a leading manufacturer of testing and measurement instruments. With over 49 years of experience, we have successfully delivered testing solutions to leading global companies.



Since 1972



Testing Standards Accredited



Global Presence



Custom Manufacturing



Lifetime support



1-year Warranty



Calibration & Maintenance



Trusted by Leaders

## KEY BUSINESS AREAS

We are proudly Australian owned and managed. Started in a humble garage in 1972, we have grown our business into diversified markets and areas including but not limited to:

- Testing Instruments & solutions
- Sensors
- Manufacturing
- Services & Support



### RAPID CONDITIONING CABINET

MODEL NO. R0013

The Rapid Conditioning Cabinet has been specially designed to pre-condition paper samples in an approximate 30 minute period, to the standard laboratory environment conditions by using the Laboratory air as the final conditioning process, prior to physical testing.



### CONCORA FLUTTER

MODEL NO: C0013

This machine is used to form test flutes in medium in preparation for crush tests. Temperature is maintained at a constant 175°C. One roller is motor driven at 4 r/min, while the other is free to rotate with a minimum of friction or other resistance. Variable speed option is available.



### BEATING PULP TESTERS / SCHOPPER RIEGLER

VARIOUS MODELS

The Schopper Riegler testers are used for the determination of drainability of pulp suspension in water. It is applicable to all kinds of pulp in aqueous suspension. The drainability is the measurable index of the refining degree of pulps.



### BURSTING STRENGTH TESTER

MODEL NO. BT-21C/P

The Bursting Strength Tester determines the bursting strength of paper, board and corrugated board. It features built-in software, operated through the touch panel screen. The software allows a choice of testing units, as well as complete statistics, and RS-232 for connection to an external computer



### COBB MOISTURE ABSORPTION TEST RING & ROLLER

MODEL NO. C0005  
& C0006

The Cobb Moisture Absorption Test Ring and Roller have been specifically designed to help determine the quantity of water absorbed by non-bibulous paper, paperboard and corrugated fibreboard. It is not suitable for tests on un-sized porous papers such as newsprint or blotting paper.



**COEFFICIENT OF FRICTION TESTER – MANUAL**

MODEL NO. C0054

This user-friendly instrument is commonly utilized in ink laboratories to assist the development of flexible coatings that resist cracking on commercial cartons. It allows the operator to quickly produce quality carton board crease samples without committing machine time. The unit comes complete with robust rules & dies which are of the same quality of those used with a full scale cut and crease machine.



**COEFFICIENT OF FRICTION TESTER - STANDARD**

MODEL NO. C0055-M1

The standard C0055-M1 unit can measure Static COF (peak) from a resting position and continue to move testing surfaces in a relative motion to give an accurate kinetic COF (dynamic) result. This model features a stationary sled with a moving plane and also comes with the option of computer software to record data. Peel Testing can also be carried out on this unit.



**COEFFICIENT OF FRICTION TESTER – VARIABLE SPEED**

MODEL NO. C0055-M2

The C0055-M2 comes with the addition of variable speed from 50 – 300mm/min using a stepper motor for accurate variable speed control. Controls are via an LCD touch screen for stop, start, home and speed changes. This model is the next level in accurate and precise COF measurement for static and kinetic results and comes with the option of computer software to record data. Peel Testing can also be carried out on this unit.



**COF TESTER – VARIABLE SPEED & HEATED PLATEN**

MODEL NO. C0055-M2

The Hydrostatic Head Tester is used to determine the resistance of textile fabrics to penetration by water at a constant rate of increase of pressure. The hydrostatic pressure supported by a fabric is a measure of the resistance to the passage of water through the fabric.



**COEFFICIENT OF FRICTION TESTER – INCLINE PLANE**

MODEL NO. C0045

This apparatus is used to determine the resistance of textile fabrics to penetration by water at a constant rate of increase of pressure. A manual version of the Hydrostatic Head Tester, the user operates the hand pump.



### CANADIAN FREENESS TESTER

MODEL NO. CF-21

This machine is used to form test flutes in medium in preparation for crush tests. Temperature is maintained at a constant 175°C. One roller is motor driven at 4 r/min, while the other is free to rotate with a minimum of friction or other resistance. Variable speed option is available.



### DENSOMETER

MODEL NO. PAG-1000

The air permeance is the flow of air through unit area under unit pressure difference in unit time, under specified test conditions and is expressed in  $\mu\text{m}/\text{Pa}\cdot\text{s}$ . This equipment is used to measure the thickness of paper, plastic, tissue and other sheeted material and features a built-in computer and exclusive testing software.



### INK RUB TESTERS (SUTHERLAND)

MODEL NO. 10001

Ink Rub Testers are designed to determine the quality of adhesion, and scuff resistance of ink to paper surfaces, plastic and aluminium film. The method of operation is that a 2 or 4 lb weight with a clean white board is swept across the test piece for a set number of times, and then closely examined. Heated weights are also available for these units.



### COLOUR CHECK CABINETS

MODEL NO. C0048

Used for assessing colour changes under different light sources, to determine suitability of materials for industrial applications where there is the need to maintain colour consistency and quality. Fluorescent daylight, incandescent and optional black light may be used either individually or in combination.



### INKOMETER - ELECTRONIC

MODEL NO. 1100

This machine measures the apparent tack of printing ink under conditions closely approximating the dynamic conditions of the ink-distribution system of a printing press. The testing instrument provides the highest accuracy and efficiency for research and development, quality control and process evaluation to verify, test and improve quality.





#### DISINTEGRATOR

MODEL NO: DSG-2000

Equipment for the laboratory wet disintegration of pulp and the correct preparation of pulp suspensions which allows for separation of interlaced fibers that were free in the pulp stock without changing their structural properties.



#### DRUM DRYER

VARIOUS MODELS

The Pulmac Speed dryer is used to rapidly pre-dry collected rejects or accepts from the Pulmac MasterScreen™. The Pulmac Speed Dryer speed-drys rejects and/or accepts within 2-4 minutes. The pre-dried debris can then be quickly measured in a moisture balance.



#### RAPID SHEET DRYER - PORTABLE

MODEL NO. RD-10

The Rapid dryer is intended for shortening the drying time of wet pulp or paper samples before determining the dry weight or moisture content. With a temperature range of ambient to 180°C, this unit can dry sheets up to a size of 250 x 300mm.



#### ELECTRIC INCINERATOR

MODEL NO. INCIN

Along with the above-mentioned features of the C0039 M1 & M2 model, C0039-M3 includes a digital display. The real-time display screen is the latest addition to the Digital Stiffness Tester. The digital display is colour touch screen ensures simple operation making it convenient to check statistics, test reports and results. This product is the latest and most updated version available



#### FIBER CLASSIFIER – BRECHT & HOLL TYPE

MODEL NO. BH6-12

The Fiber Classifier is used for the separation of pulps into fines, shives, and useful fibers fractions. The design is based on a pulsating membrane, sieves and continuous water flow, allowing the separation of different fractions to be done smoothly, without damaging the fibers or changing the original characteristics.



**LABORATORY BEATER – HOLANDESA TYPE**

**MODEL NO. HU-10**

This unit is used for pilot beating of pulps for even the smallest production lines of papers and paperboards. The beating roll knives and bedplate are stainless steel and feature adjustable contact pressure with integrated balance.



**LABORATORY BEATER – JOKRO TYPE**

**MODEL NO. JK-21**

This unit is used for pilot beating of pulps, papers and paperboards. This unit has six sets of beating units which are mounted in a horizontal revolving table that performs a planetary movement around the central shaft, ensuring perfect homogenous beating of all samples.



**LABORATORY BEATER – VALLEY TYPE**

**MODEL NO. UB-21**

The VB-21 is used to beat pulp with high repeatability. This equipment successfully beats most types of pulps from hardwood short fibers like Eucalyptus to softwood long fibers like Pine. The closed beating loop driven by the machine ensures that all the pulp is refined homogeneously while it is circulating.



**LABORATORY DIGESTERS**

**VARIOUS MODELS**

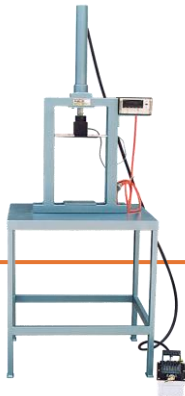
Various models available including AU/E-20 (20L Cooking Vessel Capacity and is mainly used in smaller sized production lines); AU/E-4 (4 x 1.5L Cooking Vessels and is mainly used for R&D purposes); AU/E-27 (27L Cooking Vessel Capacity or a divided lid (4 x 2L capacity)). Laboratory Digesters are used for chemical, semi-chemical, thermal and bleaching pulping studies.



**LABORATORY DISC REFINER – BAUER TYPE**

**MODEL NO. MD-3000**

This unit measures the porosity, air-permeability or air resistance of sheet-like materials. It combines the abilities of a low, standard and high pressure tester with a digital timer that provides a reading in seconds.



**PAPER TUBE CRUSH TESTER**

MODEL NO: C0020

This unit has been designed as a cost effective machine to measure the strength of manufactured paper cores up to a crushing force of 10kN. The crush test samples can be slices of the paper core ranging from 25mm to 100mm wide and up to 300mm in diameter.



**PAPER SCHMIDT HAMMER**

MODEL NO. 3421

An efficient and clean method of measuring and applying a precise volume of ink to the Proofer unit. It is clearly marked with graduations of 0.1 ml enabling the operator to measure an accurate and repeatable volume of ink up to 1.0 ml in 0.05 ml increments.



**PERMEABILITY CUP - VAPOMETERS**

VARIOUS MODELS

Crush Testers determine the compression strength of corrugated and fibreboard and their components. Operation is completed by built-in software through an easy to use backlit alphanumeric keypad. Optional accessories are available for Flat Crush, Edge Crush, Short Column, Pin Adhesion, Ring Crush, Corrugated Crush-Cross Direction etc.



**LABORATORY PULP DISTRIBUTOR**

MODEL NO. D-150

Used for the correct preparation of pulp suspensions to be used in the determination of refining degree according to the Schopper-Riegler and Canadian Freeness methods, and to be used in the preparation laboratory sheets for physical testing according to the Conventional and Rapid-Köthen methods.



**LABORATORY PULP FLUFFER**

MODEL NO. PF-21

Chips of pre-wetted pulp are inserted in the top funnel, which guides them into the in-line fluffing rotor. Running at high speed with high inertia the fluffing rotor and its round bars fluffs instantaneously and homogeneously the flow of pulp chips. The fluffed pulp is accumulated in the large lower container.





### LABORATORY REACTORS

MODEL NO: HB-51 &  
HB-21

Available in 9L capacity (HB-51) & 23L capacity (HB-21). Laboratory reactors are designed for pilot chemical, semi-chemical and thermal pre-treatments of several types of biomass. A unique patented rotational vessel design ensures perfect mixing and homogeneous reaction. The removable sturdy lid gives full access to the internal section of the reaction vessel and the lower mounted 76 mm ball valve enables easy discharge of reacted materials directly from the vessel.



### LABORATORY SCREEN - SOMMERVILLE TYPE

MODEL NO. SM-21

The SM-21 is a Somerville type Laboratory Screen, used worldwide for separating contaminants, such as shives, stickies, flakes and particles, from a pulp slurry. The screen box is easily opened thanks to its single action smart latch, enabling quick access to the screen for the routine procedures of collecting retained fraction and washing equipment. The Weirbox has adjustable built-in weir to keep water level at standard height of 102mm above screen plate surface during operation.



### CRUSH TESTER

MODEL NO. CT-21

Crush Testers determine the compression strength of corrugated and fibreboard and their components. Operation is completed by built-in software through an easy to use backlit alphanumeric keypad. Optional accessories are available for Flat Crush, Edge Crush, Short Column, Pin Adhesion, Ring Crush, Corrugated Crush-Cross Direction etc.



### FLAT CRUSH TESTER CUTTER & FIXTURE

MODEL NO. C0032  
& F0011

Evaluates the resistance of flutes in corrugated board to a crushing force applied perpendicular to the surface of the board. The Flat Crush Test requires the use of the F0011 fixture to prevent lateral movement of the upper portion of the test piece during compressions and also the use of the Cutter which can cut through the corrugated structure, leaving clean cut edges at right angles to the faces.



### RING CRUSH TEST FIXTURE

MODEL NO. R0008

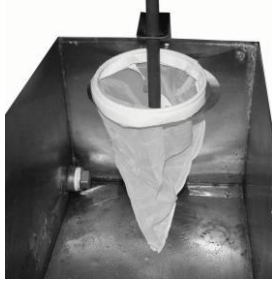
Designed to carry out the ring crush test for paper and board having an average thickness of up to 1000µm, for the purpose of MD ring crush, CD ring crush, liner or fair side. The test piece of paper or board is supported in the ring crush holder and subjected to edgewise compression between the platens of a crush testing machine.



### MASTER SCREEN

MODEL NO. XLQ

The MasterScreen™ XLQ is a low consistency screening device designed to mechanically separate shives, dirt and/or stickies from fiber. After screening, the contaminants are washed directly onto a filter paper, and water is removed by the Auto-Filter's vacuum-assist drain system. The master screen provides a rapid and repeatable method for concentrating and collecting shives, stickies and/or dirt.



### ACCEPT COLLECTION BAG

VARIOUS MODELS

The Pulmac Accept Collection Bag is used to collect fiber accepted from the Pulmac Master Screen. The ACB captures all fiber that will not pass a 200 mesh screen. Separate frame and bag. Will capture up to 10 g, oven dried equivalent, of pulp from the MasterScreen. Bag is taken out of frame and backwashed to access.



### TENSILE TESTER – MANUAL

MODEL Z SPAN

The Z-Span™ manual bench top tester measures zero and short pan tensile strength with individually loaded handsheet or machine made paper samples. The Z-Span™ Tester generates individual tensile readings from pre-prepared test strips. The Dial-a-Gap attachment facilitates testing at multiple spans from 0.2 mm to 0.6 mm. The West Testing Kit supports sample preparation and testing of re-wet test strips.



### TENSILE TESTER – AUTOMATIC

MODEL NO. PEBT-4000

The PEBT-4000 PET Bottle Pressure Tester is an advance testing equipment specialized for testing the PET bottles. It has been designed in conformity to the three international commonly used testing methods: (1) Ramp Fill Mode; (2) Burst Mode; (3) User-Defined Mode. The machine uses touch screen interface with automatic effusion, clamping the sample and testing.



### THICKNESS GAUGES - ULTRASONIC

MODEL NO. T2100 SERIES

Thickness of the measured material is based on the accurate time that the ultrasonic transmits in the material. This Gauge series are equipped with microcomputers that analyze, handle and display the current data. They feature highly optimized measuring circuits and offer high measurement accuracy.



### SCOTT INTERNAL BOND TESTER

MODEL NO. PCA  
1270

This instrument is used to produce a high speed Z-directional rupture of paper and paperboard. It is a dynamic test that measures and defines strength in terms of energy absorption.



### DESNOMETER

MODEL NO. PAG-  
100

The air permeance is the flow of air through unit area under unit pressure difference in unit time, under specified test conditions and is expressed in  $\mu\text{m}/\text{Pa}\cdot\text{s}$ . This equipment is used to measure the thickness of paper, plastic, tissue and other sheeted material and features a built-in computer and exclusive testing software.



### DIGITAL MICROMETERS

MODEL NO. D0011

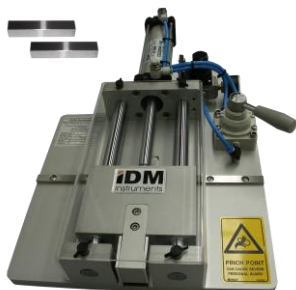
This range of instruments is used to measure the thickness of paper, plastic, tissue and other sheeted material, these units automatically cycle up and down, providing an accurate and repeatable thickness reading at the end of each cycle.



### DRYING OVENS

VARIOUS MODELS

Drying Ovens are available to suit a variety of heating and drying applications. Fan forced ovens feature digital temperature control, high capacity heating elements, heavy duty fan motors, adjustable exhaust vent, positive door latch and superior horizontal air flow system.



### EDGE COMPRESSION CUTTER & GUIDE BLOCKS

MODEL E0001 &  
E0002

The Quickpeek Color Proofing Kit is used to quickly produce a proof that replicates how ink will appear on a printed copy from the press. Different rollers can be used for heat set inks or UV inks.



### COLOUR COMPARATIVE SYSTEM

MODEL  
COLORSTRIKER

The ColorStriker is user-friendly and can be used in various industries to test almost any material or surface type, including textiles, leather, paint, varnishes, wood, tiles, plastics and more. Users can easily create and manage a custom colour archive. With the integrated texture library, the desired colour effect can be checked on screen for a wide variety of applications (ie. Wood chips, textile materials, leather etc).



### THERMO-HYGROMETER "SWORD"

MODEL NO. RLF-TS

This unique hand held instrument is used for determining the air humidity (relative humidity) and temperature in stacks and reels of papers.



### PAGE PULL TESTERS

MODEL NO. P0011

The Page Pull Tester has been designed and manufactured to measure the strength required to pull pages out of bound books and magazines. The force is displayed on the digital read out, ensuring a quality bound book is provided to customers.



### SHEET FORMER – AUTOMATIC [RAPID KOTHEN METHOD]

MODEL NO. 10005

The RK-21 is an automatic sheet former used for the production of laboratory hand sheets in accordance to the Rapid Kothern method, for measurement of the physical and/or optical properties of pulps.



### SHEET FORMER – CONVENTIONAL

MODEL NO. FQ-21

This unit is a manual laboratory sheet former used for the production of standard 265.7cm<sup>2</sup> / 163 x 163 mm square laboratory sheets for physical and optical testing. The sheet is formed from a pulp suspension on a standard wire screen under suction generated by the flow of the water column.



### ISO BRIGHTNESS

VARIOUS MODELS

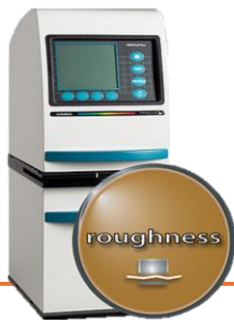
IDM offer a range of economical and easy to use brightness testers which provide instantaneous digital read outs of TAPPI/GE brightness, with the option of measuring with and without the excitation of fluorescent agents.



### PROFILE/PLUS™ TAPPI BRIGHTNESS

VARIOUS MODELS

The PROFILE/Plus TAPPI Brightness measures optical properties according to industry standards including colour, opacity, fluorescence, TAPPI Brightness and colour difference.



### PROFILE/PLUS™ ROUGHNESS & POROSITY

VARIOUS MODELS

The Technidyne PROFILE/Plus Roughness and Porosity measures surface roughness and air permeance according to industry standard methods. Includes two sided measurements, selectable reporting units, dry diaphragm air compressor, NIST traceable laminar flow elements, barometric pressure and temperature compensation.



### TEST/PLUS™ GLOSS

VARIOUS MODELS

This instrument combines industry standardized measurement technology with an innovative control package that allows the user to tailor build their testing and evaluation capabilities. Built on the Android software platform, the interface can be customized with the features important to you. Available in 75- and 20-degree angles.



### PROFILE/PLUS™ TENSILE

VARIOUS MODELS

With a precise punch and die assembly to ensure constant sample size, this unit automatically performs sample clamping, measurements of MD and CD tensile strength, elongation, and TEA all on its own.

User defined measurement parameters means that grade specific reporting units can be selected.





**PAPER MACHINE DRAINAGE ANALYSIS UNIT**

MODEL  
FIBERSCANONE

Use the FiberScanONE™ to monitor, analyse and optimize the drainage process, by measuring the amount of water on top of the forming fabric after various dewatering elements. Investigate the affects of forming fabric designs, fabric wear, machine settings and chemical dosages. Make trend curves to understand what is going on in the forming section.



**PAPER SHEET PRESS - MANUAL**

MODEL NO. PH-01

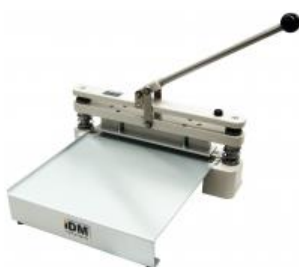
A manually operated hydraulic press designed for the process of press-drying wet sheet of paper.



**PAPER SHEET PRESS - PNEUMATIC**

MODEL NO. NPT-10

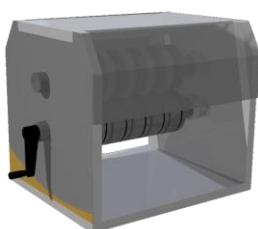
A pneumatically operated press designed for the process of press-drying wet sheets of paper.



**TEAR TEST**

MODEL NO. C0031

Manual Precision Sample Cutters for cutting testing samples for paper to various sizes and standards. IDM can also manufacture custom sizes if required.



**PAPER STRIP CUTTER - MECHANICAL**

MODEL NO. P0012

This unit is designed to manually prepare multiple sample pieces at once from a sheet of paper up to 21.59cm wide, speeding up test preparation times. Custom units are available to prepare samples of other sizes as required



### PNEUMATIC SAMPLE CUTTER

MODEL NO. C0043

The Pneumatic Sample Cutter allows the preparation of samples in various shapes. It cuts into circular or square or rectangle test pieces with uniform edges.



### LAMINATOR

VARIOUS MODELS

The Pulmac Laminator is a robust laminator designed to be used with the Pulmac MasterScreen for sample preparation of displays for analysis of Stickies, Dirt, and/ or Shives by scanner. This laminator is designed for industrial use. Temperature, nip pressure, and roller speed have been standardized. The unit comes with a carrier.



### MOISTURE BALANCES

MB SERIES

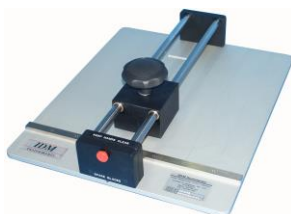
The MB Series Moisture Balance offer superior performance and great value, with basic as well as advanced models available. It features fast halogen element which provides uniform infrared heating and durability.



### MOISTURE METERS

VARIOUS MODELS

Universal moisture meters determine the moisture content in paper, cardboards, wood, building materials, isolation and other materials. A range of moisture meters are available to suit applications and budgets.



### QUICK CUT

MODEL NO. C0046

An easy to operate apparatus used for cutting corrugated cardboard for sample preparation. The base is supplied with engraved cutting guides for quick and easy cutting of cardboard.



### CIRCULAR HAND CUTTERS

MODEL NO. C0038

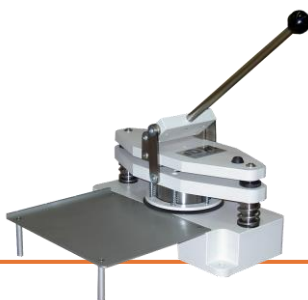
The Circular Hand Cutters are fast and easy to operate, creating accurate circular samples in various different mediums. They are available in several different sizes (including custom sizes) for suitability to many different tests.



### CUTTING TEMPLATES - STAINLESS

MODEL NO. C0034

Manufactured from stainless steel with an easy to grip handle to provide a consistent cut out shape for example; Coefficient of friction testers, Colour fastness tester, etc.



### GRAMMAGE CUTTER

MODEL NO. C0042

Designed to cut 100cm<sup>2</sup> circular paper samples to assess Grammage. This is an important factor as most paper is bought and sold in accordance with its mass per unit area. Other values such as bursting strength, thickness and bulk are all determined using Grammage.



### GUILLOTINES

VARIOUS MODELS

IDM supply a range of Guillotines to suit various applications. Bench top and free standing units are available.



### ELMENDORF TEAR TESTER

MODEL PROTEAR

The ProTear Tester quickly and accurately measures the tear resistance of sheet materials including paper, textiles, roofing products, film and foils. Three models are available, Electronic ProTear, Mechanical ProTear and the Heavy-Duty ProTear.



**WATER RESISTANCE OF GLUE BOND TESTER**

**MODEL NO. RC-21**

Specifically designed to determine the resistance of corrugated paperboard to withstand wet conditions by immersion in water.



**WATER VAPOR PERMEATION ANALYZER GRAVIMETRIC**

**MODEL NO. W300**

With the Gravimetric Method, these units test the water vapour transmission rate (WVTR) of packaging materials, such as plastic film, composite film, co-extrusion film, aluminium-plated film, aluminium foil, infusion bag, sheets, paper, paper board, solar battery panel, cellophane, ceramics and porcelain, and various containers such as bag, pouch, bottle, can, bowl, box, widely used in the industries of food, pharmaceuticals etc.



**WATER VAPOR PERMEATION ANALYZER INFRARED**

**MODEL NO. W402**

With the Infrared Detection Sensor Method, this unit tests the water vapor transmission rate of various materials, including: plastic film, composite film, aluminum-plated film, aluminum foil etc.; packaging containers, such as bag, bottle, bowl, can etc.; sheets, such as PP sheet, PVC sheet, rubber, building material, porcelain; other application, such as solar panel, paint film, medical patch etc.



**WATER VAPOUR TRANSMISSION TESTER**

**MODEL NO. PUA/4**

Used for the preparation of test pieces for the accurate measurement of the water vapour transmission rate flexible packaging materials, including parchment, wax paper, polyethylene, vinyl, cellophane, foil, laminates, and other materials.



**THICKNESS GAUGES - HAND HELD**

**MODEL NO. T0014**

Handheld Thickness Gauges can be used on many different materials where an accurate measurement of thickness is required. Different models are available depending on weight and contact point required.



**SHEET FORMER – MANUAL**

**MODEL NO. FC-21**

This unit is a manual laboratory sheet former used for the production of standard 200cm<sup>2</sup> / Ø160mm circular laboratory sheets for physical and optical testing. The sheet is formed from a pulp suspension on a standard wire screen under suction generated by the flow of the water column. As an option to the conventional system, the sheet former can also be supplied as model FC-21AA with automatic system for filling, homogenizing and draining controlled by a built in PLC.



**SHEET FORMER – SEMI-AUTOMATIC**

**MODEL NO. FD-21**

A semi-automatic laboratory sheet former used for the production of standard 265.7cm<sup>2</sup> / 163 x 163 mm square laboratory hand sheets for physical and optical testing with full respect to modern performance and ergonomic requirements.

The square sheet is formed from a pulp suspension on a standard wire screen gauze under suction generated by the flow of the water column.



**STICKYSCAN™100**

**MODEL SS-100**

The StickyScan™ 100 is specifically designed to be used in conjunction with the Pulmac MasterScreen™ to generate a stickies count based upon screening contaminants, displaying them on a 22 cm in diameter filter paper, preparing the display, then scanning.

Depending on pulp and application a 0.004", 0.006" or 0.008" slotted screen plate may be used.



**TENSILE TESTER**

**MODEL NO. DI-24**

The DI-21 determines the tensile strength, stretch & TEA (tensile energy absorption) of paper, board and tissue for Q.C and R&D. This equipment is absolutely user friendly & reliable due to its built-in testing software & its rugged & accurate mechanical construction. It offers complete statistics, a parallel port for connection of a local printer & an RS232 serial port for the connection to a host computer for data transfer.



**TENSION MONITOR**

**MODEL NO.  
TENSION+**

This instrument is designed to measure the tension in paper machine fabrics (forming fabrics, press fabrics and dryer screens without metal 'clipper' seams) while the paper machine is running. The special corner contact sensors assure that the test results are accurate and reliable, independent of the operator.

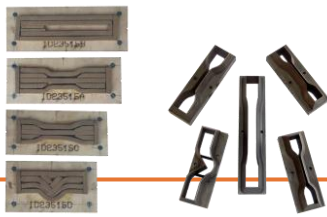




### UNIVERSAL TESTING MACHINES

VARIOUS OPTIONS

IDM provides a range of UTM's which feature multiple testing capabilities including compression testing and tensile testing. UTM's eliminate the need of having multiple machines to perform various tests (i.e. compression and tensile). UTM's offer versatility and the ability to set up dual tests to speed up test set up, production & ultimately reduces operator fatigue & possible setup errors.



### CUTTING DIES

VARIOUS OPTIONS

Tool Steel and Ruler Dies of standard and custom sizes can be used and interchanged with ease, allowing a large range of dies to be used with any press. These dies are manufactured as per samples sizes mentioned in various testing standards.



### SAMPLE CUTTING PRESSES

VARIOUS OPTIONS

IDM offers a range of sample cutting presses which are fast and easy to operate. Used for sample preparation of various sized test pieces. The cutting dies are manual, hydraulic, pneumatic. Available in various capacities to suit all sample preparation requirements.



### THICKNESS GAUGE DIGITAL INDICATOR WITH STAND

MODEL NO. T0013

This unit has been designed to measure the thickness of high loft nonwoven material, by means of a digital readout. Thickness is determined by observing the linear distance that a moveable plane is displaced from a parallel surface by the specimen while under a specified pressure. Thickness is one of the basic physical properties of High loft Nonwoven fabrics. In certain industrial applications, the thickness may require rigid control within specified limits.

## QUALITY EXCELLENCE ASSURED

The IDM 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.

We have successfully executed this program with the help of 38+ representatives spread across the globe. PM&C team members are supplied with the necessary resources to main our testing equipment at peak performance throughout thier lifetime, benefiting both you and your equipment. Testing equipment in your facility (or at IDM) will be calibrated using industry-wide, internationally recognised standards or as per your specific requirements.

Calibrated instruments are labelled accordingly and documented with an IDM full calibration report or certificate of conformance (whichever is applicable). All calibrations are maintained in IDM's calibration database and you will be notified when your next service/calibration is due. IDM's Calibration work is comprehensive- adjusting your equipment to give you the right results, whenever possible.

For over 49 years now, the IDM name and brand has grown across the globe. Our commitment to quality and providing the measurable difference reflects upon our customers' satisfaction. We look forward to continuing to provide our expertise and assisting you with your next requirement. Speak to IDM today, and see how an IDM testing instrument will benefit your quality control process.

## INDUSTRIES & APPLICATIONS



Printing



Textiles



Paper



Rubber



Plastic



Packaging



Foam & Mattress



Research & Laboratory

& many more....

TESTING INSTRUMENTS FOR  
*A MEASURABLE DIFFERENCE...*

**IDM**  
instruments



**TESTING INSTRUMENTS | SENSORS | MANUFACTURING | SERVICE & SUPPORT**

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