

Traditional tests
for measuring product
characteristics.



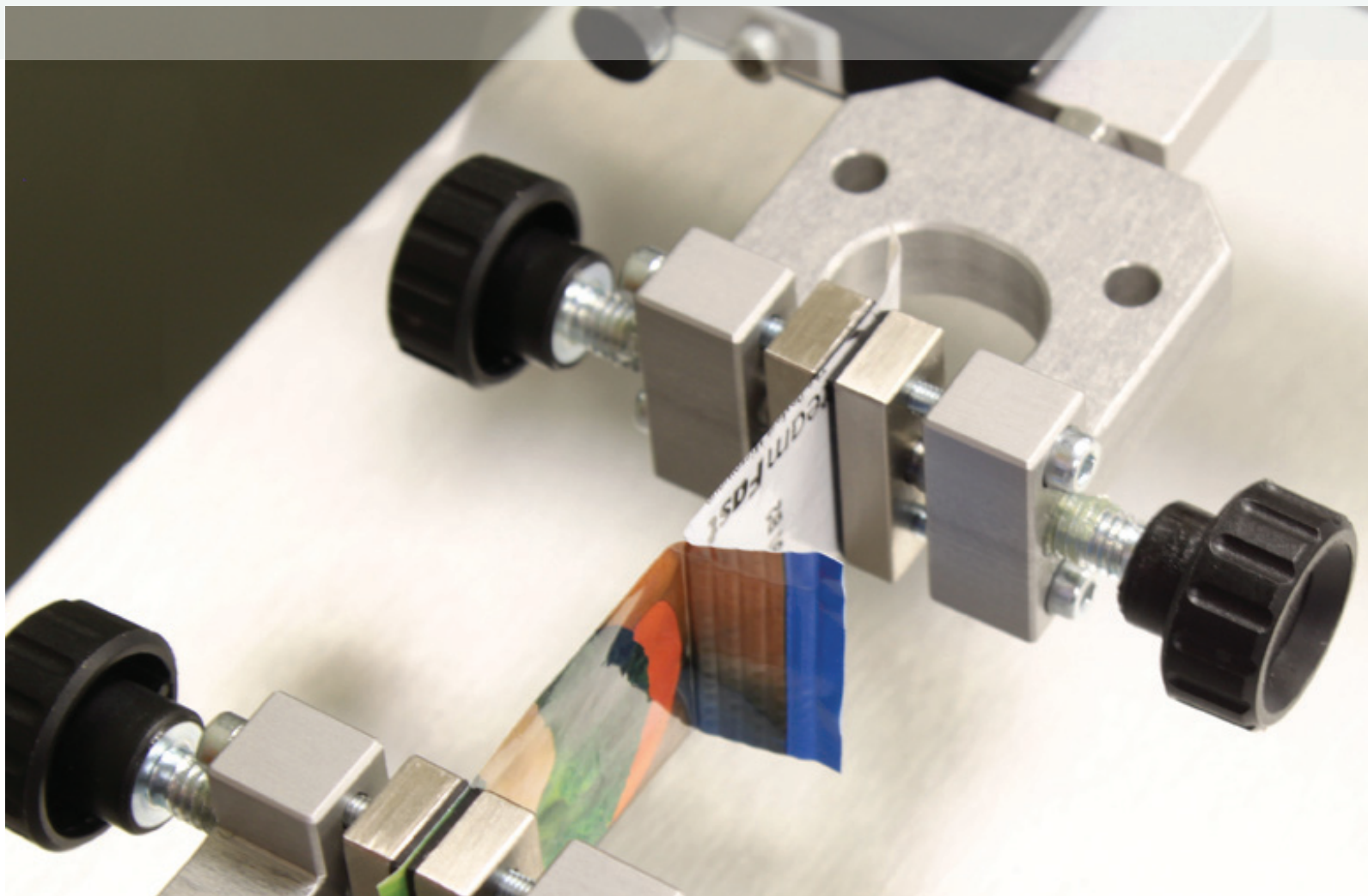
Measure



Improve



Service



rycobelgroup

ABOUT RYCOBEL: 3 DIVISIONS

Rycobel is a dynamic and growing company located in Deerlijk, Belgium. Rycobel is made up in 3 divisions:



Measure



Improve



Service

OUR MISSION: BRINGING COMPETITIVE ADVANTAGE

Rycobel brings competitive advantage by supplying and maintaining equipment to measure and improve product characteristics. To engage a loyalty mission, the company strives to close partnerships that offers customers an absolute added value. The goal of Rycobel is to think together with the customer about the business or technical need and propose the adequate solution to bring competitive advantage.

ISO CERTIFICATION

Over the past 40 years Rycobel has built up experience and knowledge in many industrial sectors.

To help reassure clients and deliver the highest levels of service, Rycobel gained the ISO 9001 certification. ISO certification guarantees that the company has fully submitted its quality control procedures.



Management of Rycobel, from right to left:
Frederik Castelain, Kurt Rommens, Vincent Rius

OUR VALUES: THE HEART OF OUR COMPANY CULTURE

- Integrity
- Experience
- Engagement
- Teamwork
- Helpful

SERVICE TEAM

Our talented team of testing specialists and engineers work together to provide you with the best possible on-going support. Whether you need a :

- Turnkey installation with start-up
- Warranty maintenance & calibration contracts
- Maintenance for the departments 'Measure' and 'Improve'
- Full-service contract
- Calibration for your testing equipment
- Hands-on training on equipment
- Application training
- Telephone support by a product specialist specialist

Do not hesitate to contact our service team via service@rycobel.com or +32(0)56 78 21 70.



Rycobel's headquarter in Deerlijk, situated in Belgium, Europe.

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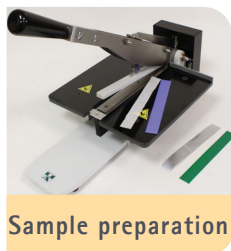
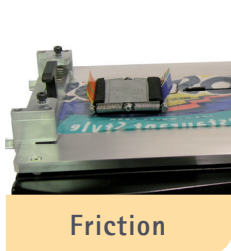
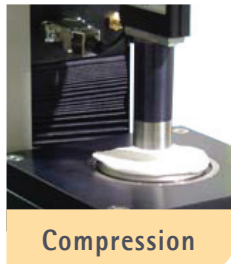
Traditional tests

We have an extensive range of equipment to test mechanical, optical and physical properties of materials. We supply a variety of applications. Whether you are testing for quality control, process control or product development, our instruments are used across a diverse group of industries including:

- Adhesives
- Corrugated
- Foil/Metal
- Food Testing
- Ink/Graphic Arts
- Medical
- Nonwovens
- Packaging
- Paper
- Paperboard
- Plastic Film
- Tissue
- Textiles

Our equipment meets international standards including ASTM and ISO.

Traditional tests for measuring product characteristics



RYCOLAB

RYCOLAB is our own range of innovative testing equipment for measuring product characteristics for paper, tissue, board and sample preparation. The easy and intuitive interface enhances the operation of our testing equipment. All our devices are conform to international standards.



www.rycobel.com/en/rycolab



sample preparation

JDC SAMPLE CUTTER

Usage

The JDC Sample cutter is used for the preparation of samples to cut samples from 1/8" to 3" wide and up to 12" in length and from 3mm up to 76mm.

Device description

The JDC precision sample cutter has become the accepted standard for most corporations worldwide for preparing samples of paper, paperboard, metal foils, nonwovens, films, tissue and a variety of other materials. Lightweight and portable, the JDC features a 20" base length for added leverage and stability along with operator safety.



CIRCULAR SAMPLE CUTTER

Usage

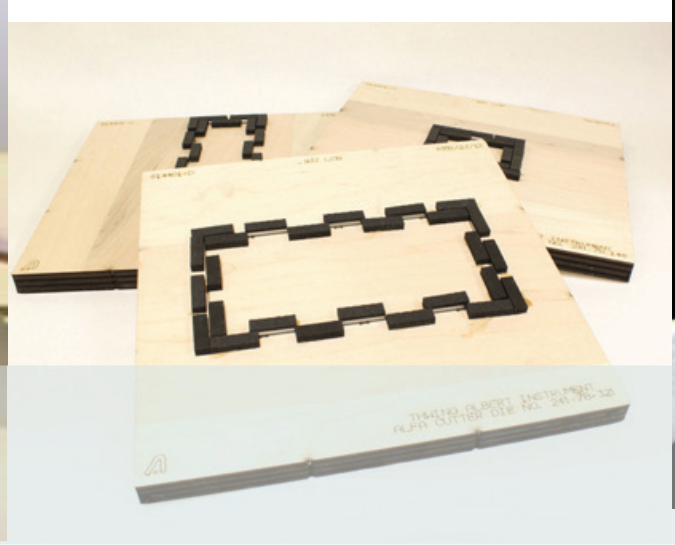
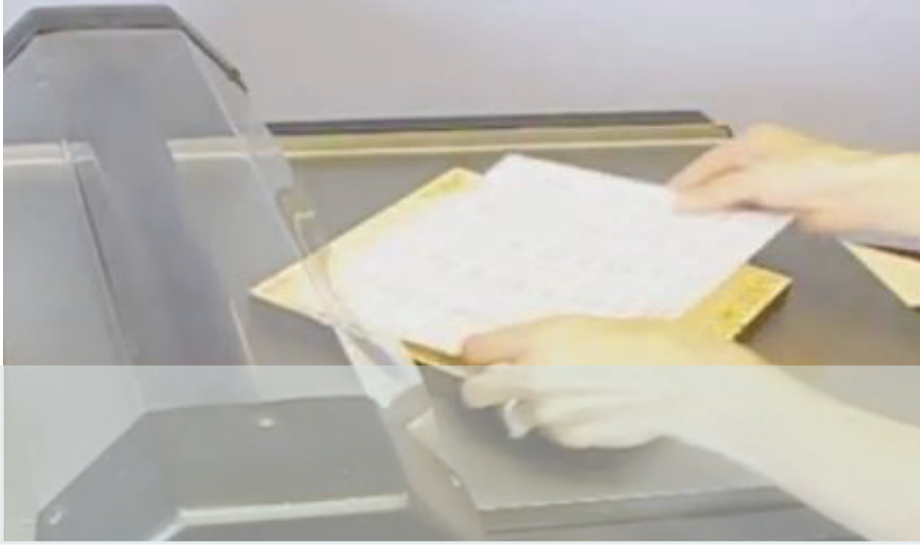
The Circular Sample Cutter is used for the preparation of samples with a cutter area up to 100cm².

Device description

This Circular Sample Cutter quickly prepares samples used for determining basis weight of sheet materials including paper, textiles, and plastic films. The sample is cut by simply turning the handle 90°. A locking mechanism ensures the safety of the operator. The cutter comes complete with cutting pads and spare blades.



www.rycobel.com/measure/solutions/samplecutters



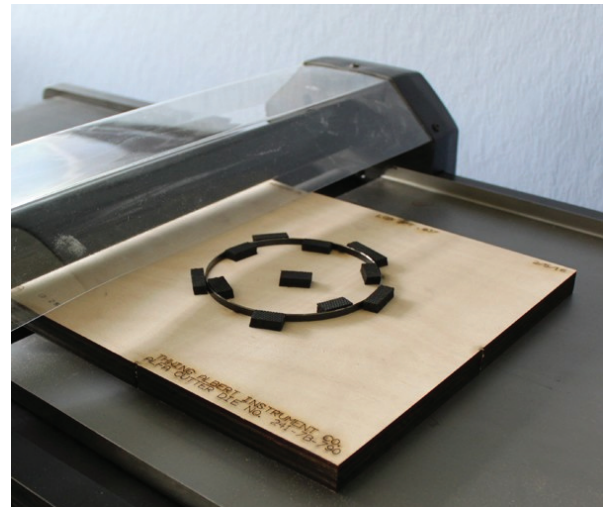
ROLLER PRESS ALFA CUTTER

Usage

The Roller Press Alfa Cutter allows sample preparation for dies up to 19" wide and unlimited in length.

Device description

This die cuts paper, paperboard, card stock, corrugated material, thin plastic, rubber and many other sheeted materials. This cutter has a simple setup and offers a low maintenance sample preparation tool.



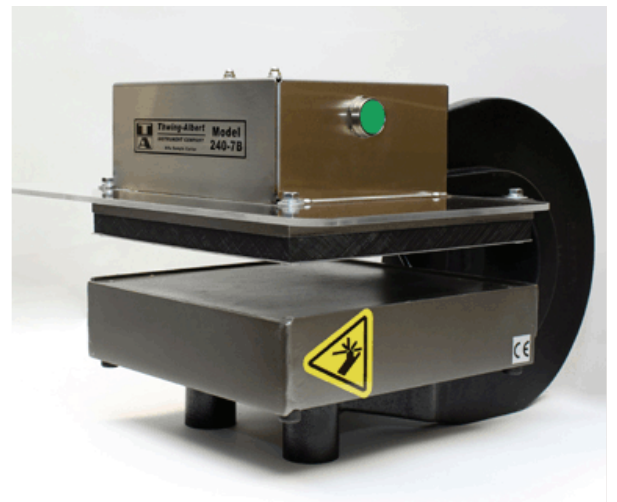
PNEUMATIC SAMPLE CUTTER

Usage

The Pneumatic Alfa Sample cutter delivers 7 tons of cutting pressure at the touch of a button.

Device description

The Alfa Sample Cutter is used for the quick preparation of test samples of tissue paper, plastics, fabrics, rubber, heavy papers, cardboard and foils. The design of the sample cutter allows for the easy loading of dies, with a maximum sample size of 10" x 10".



www.rycobel.com/measure/solutions/sample-preparation

tensile

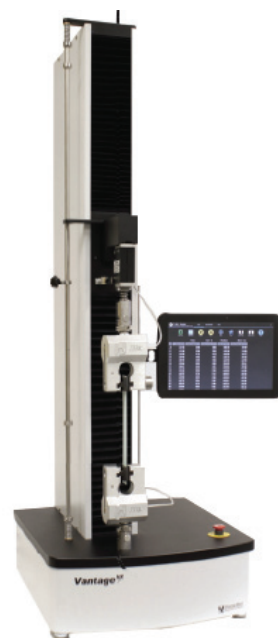
UNIVERSAL TENSILE TESTER

Usage

The Vantage Tensile Tester offers many fixtures for tensile testing, COF and other tests and is commonly used to test a variety of materials including plastic film, flexible packaging, paper, ...

Device description

An universal testing machine or tensile tester is used to test the tensile stress and compressive strength of materials. It is named after the fact that it can perform many standard tests including tensile and compression tests for a wide range of materials.



ELECTRONIC TENSILE TESTER

Usage

The Electronic Material Tester is ideal for tensile, compression, coefficient of friction and peel analysis. The QC-3A is an extremely flexible, cost-effective testing system.

Device description

The single-screw frame provides up to 1100 lbs (5 kN/500kg) tensile force with accurate control throughout the entire load range. The tensile tester is the ideal unit for a production floor environment as it is resistant to dust and displays a peak force reading on the digital display.



www.rycobel.com/measure/solutions/tensile

HORIZONTAL TENSILE MACHINE

RYCOLAB

Usage

The horizontal tensile machine determines the tensile resistance in dry or wet state, elongation and tensile energy absorption (TEA) in paper or tissue.



www.rycobel.com/rycolab/products



tear

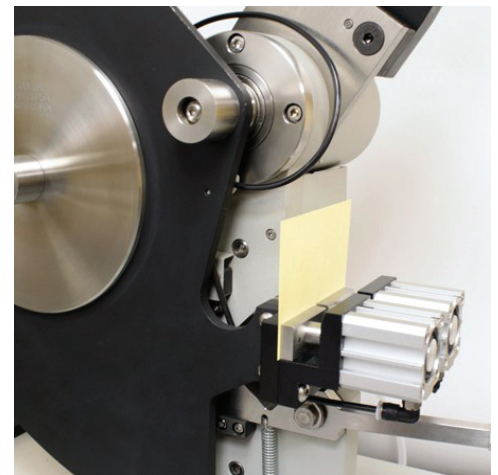
ELECTRONIC TEAR TESTER

Usage

The Elmendorf Tear Tester is recognized as the worldwide standard. Based on the classic design, the ProTear Testers measure quickly and accurately the tear resistance of sheet materials including paper, textiles, roofing products, film and foils.

Device description

The electronic model provides several enhancements over the mechanical model. All test results and statistics are calculated automatically and displayed on the built-in screen. An RS-232 port enables test results to be transmitted to a printer or computer.



HEAVY DUTY ELMENDORF TESTER

Usage

The heavy duty tearing resistance tester tests fabrics such as canvas, sailcloth and denim.

Device description

The Heavy Duty Elmendorf is equipped with pneumatic pendulum release, statistical analysis of results and with a choice of interchangeable pendulums.

The heavy duty tester offers capacity configurations ranging from standard 6400 g increasing to 25,000 g. Capacities are changed quickly and easily by adding augmenting weights, a configuration that eliminates the necessity for multiple pendulums and simplifies the testing of different materials.



www.rycobel.com/measure/solutions/tearing

friction

FRICTION PEEL TESTER

Usage

This Coefficient of Friction Tester (COF) can measure static and kinetic coefficient of friction as well as run seal strength tests, 180° peel, 90° peel and T-peel tests. The FP-2260 also offers a tensile test mode to perform light-weight tensile tests up to 10 kg.

Device description

Its small bench top design makes the Friction Peel 2260 light weight allowing it to be used in a laboratory or setup out on the production floor for offline testing as needed. MAP4™ LTE Software is designed for use with the FP-2260 Friction/Peel Tester. This is a simplified version of the full MAP4 Software for basic data evaluation purposes.



www.rycobel.com/measure/solutions/friction

burst

RYCOLAB

MULLEM BURST TESTER

Usage

For measuring the bursting strength on paper according to the MULLEM method.

Device description

This device is delivered with a built in touch-screen and is controlled by an industrial computer. The device is equipped with 1 measuring head for bottom measurement of the bursting strength. The Mullem Burst Tester has a measuring range up to 5000 kPa with an accuracy of $\pm 1\%$ of the displayed value.



www.rycobel.com/measure/solutions/burst



HEAT SEALER

Usage

The Heat Sealer simulates, in the lab, the sealing in a production environment. Laminated films and other packaging materials are sealed with this unit in a simple way. Production parameters such as temperature, pressure and time can be set. In this way one looks for the best possible seal strength.



HOT TACK TESTER

Usage

The Hot Tack Tester is used to test sealing properties of packaging material. The instrument permits evaluation of sealability and hot tack under a broad range of testing conditions to optimize packaging machine settings and to ensure consistent quality of the product. In addition it can also test peel, shear and tension of adhesives, tape, laminated film, plastic film, paper and other flexible materials.



www.rycobel.com/measure/solutions/seal strength



INKOMETER

Usage

The Inkometer simulates the dynamic conditions that occur in the ink-distributing system of a press, the Inkometer provides reliable data on the tack and length of ink.

Device description

The Inkometer 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.



QUICKPEEK

Usage

A QuickPeek consists of a compact kit housed in a sturdy wooden case. This instrument can quickly produce a proof that replicates how ink will appear on a printed copy from the press.



www.rycobel.com/measure/solutions/ink

impact

DART DROP TESTER

Usage

The Dart Drop Impact Tester is an easy-to-use, ergonomically designed instrument used to measure the impact resistance of plastic film, coated paper and other materials utilizing the free falling dart method.

Device description

A pneumatic sample clamp is used to secure the specimen in place for ease of operation and operator safety. The operator needs to simultaneously activate dual switches mounted on either side of the instrument to engage the clamp and initiate the free falling dart.



www.rycobel.com/measure/solutions/impact

compression

BOX COMPRESSION TESTER

Usage

For carrying out compression tests on packing boxes.

Test description

The corrugated box or packaging to be tested must be placed centered in the lower plate of the compression tester. When the test begins, the upper plate will displace downward and a load will begin to be applied to the specimen. This force is captured by means of the three load cells located under the lower plate. When the system detects the sample breaking, the upper plate returns to the initial position at maximum speed.

RYCOLAB



www.rycobel.com/measure/solutions/compression

abrasion

ROTARY ABRASER

Usage

The TABER Abraser (Abrader) is used to conduct accelerated abrasion and wear resistance tests on flat specimens. Samples are mounted on a rotating turntable, and subjected to the wearing action of two abrasive wheels applied at a specific pressure.

Device description

Mounted to a rotating turntable, specimens are subjected to the rub-wear action of two abrasive wheels. Driven by the test sample, the wheels produce abrasion marks that form a pattern of crossed arcs over a circular ring approximately 30 square centimeters. This reveals abrasion resistance at all angles relative to the weave or grain of the material.



LINEAR ABRASER

Usage

The TABER Linear Abraser has been engineered to test either contoured or flat surfaces, making it ideal to evaluate finished products of all sizes. To expand the versatility of this instrument, the Linear Abraser can be configured with optional test attachments to perform different types of abrasion tests. And can be used for both wet and dry testing.

Device description

With adjustable stroke length, speed, load and a wide selection of Taber attachments, the Linear Abraser allows you to customize test parameters to your exact needs. With accessories, the Linear Abraser can be used to perform scratch, coin scrape, crockmeter, rub, pencil hardness scratch, paperclip mar, chemical rub, wire scrape, plus other tests. An optional specimen table provides additional flexibility for securing samples



www.rycobel.com/measure/solutions/abrasion

thickness

PROGAGE THICKNESS TESTER

Usage

The ProGage Thickness Tester utilizes advanced technology to quickly and accurately measure the thickness of sheeted materials such as paper, plastic film, tissue and toweling, nonwovens and textiles.

Device description

This thickness tester features a dual speed pressure foot which enables it to perform up to 20 test cycles per minute (based on configuration) while maintaining a high degree of accuracy.



www.rycobel.com/measure/solutions/thickness

Our other divisions

Equipment to **improve** your product characteristics.



- Static electricity
- Energy efficient drying and blow off
- Surface treatment
- Contactfree cleaning

www.rycobel.com/en/improve

We help you with the best possible **service**.



- Installation
- Calibration
- Equipment qualification: IQ, OQ & PQ
- Analysis of your production process: static electricity and compressed air consumption
- Repair and service
- Application and training
- For all your technical or application-related questions, call our technical helpline: +32 (0) 56 78 21 79

www.rycobel.com/en/service

Rycobel academy

We believe that through **training and coaching** everyone can become an expert in his or her profession of field.

Our employees are dedicated professionals who want to pass on their passion and experience to help you grow professionally and to successfully achieve your goals.

We put together an experienced team of engineers and experts with their **own speciality**. With their strong product and market knowledge and years of experience in the industry, they are always ready with advice to provide you with the right equipment.



