



Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

Physical Materials Testing Equipment

Universal Materials Testing Machines



▲ Touch Screen
Instrument Controller
Option Available

Vantage Series Universal Testers

The Vantage testing system provides maximum testing flexibility in a compact ergonomic frame. Vantage tensile testers are powerful computer-controlled testing machines with the ability to perform a wide range of tests.

Ideal for Quality Control, Engineering and for R&D departments to meet industry standards. Vantage models are available in ranges from 1kN to 10kN capacities with frames from 24" to 48" tall.

QC-3A Universal Materials Tester



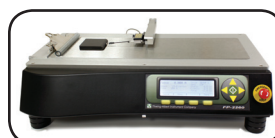
Ideal for tensile, compression, coefficient of friction and peel analysis, the QC-3A is an extremely flexible, cost-effective testing system. The single screw frame provides up to 1100 lbs (5kN/500 kg) tensile force with extremely accurate control throughout the entire load range. The digital load controller ensures extremely accurate, reliable test data.



Browse Grips & Fixtures Online
www.thwingalbert.com

Thwing-Albert Instrument Company offers a wide variety of testing instruments ideal for measuring the physical characteristics of a variety of materials.

FP-2260 Friction/Peel Tester



The FP-2260 is the most wide-ranging testing instrument for measuring the coefficient of friction and tensile strength of paper, sheet materials, and other various materials. Designed to provide versatility for its users, it is applicable in many different industries including paper and paperboard industries, as well as others. This instrument can measure the static and kinetic coefficient of friction, seal strength and peel properties of plastic film, paper, paperboard, adhesives, labels and packaging materials. The standard unit has a test range of 0.5 kg, 2 kg or 10 kg.



▲ EZ-Sled for COF

ProGage Thickness Tester



The ProGage utilizes the most advanced technology to accurately measure the thickness of sheeted materials such as paper, plastic film, nonwovens, and textiles. This thickness tester includes many selectable presets for measuring speed, distance and the pressure foot speed. The ProGage can meet a wide range of test standards by modifying the setup with a variety of pressure feet diameters and weights.

Dart Drop Impact Tester



Designed to meet ASTM D1790, this impact tester is easy-to-use, ergonomically designed is used to measure the impact resistance of plastic film and other materials.

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



ProTear Elmendorf Tear Tester



The ProTear Elmendorf Tear Tester quickly and accurately measures the tear resistance of sheet materials including paper, packaging, foils, and nonwovens. It combines proven reliability with advanced electronics to provide complete control over tests with accurate and repeatable data. Built for

flexibility, the pendulum capacity is easily changed with augmenting weights enabling the testing of a variety of materials. Capacities available range from 200 to 6,400 grams.

The Spencer Impact attachment (shown above) provides a convenient method for determining the impact resistance of plastic films and packaging materials under conditions that closely approximate the strain rates that the material is subject to in end-use applications.

Handle-O-Meter



Measures "handle" which is the combined effects of flexibility and surface friction of sheeted material such as nonwovens, tissue, toweling, film and textiles.

The data generated has been shown to correlate well with the actual performance of the material in production processes and finished product performance. There are two beams available (100g and 1000g) for different testing needs.

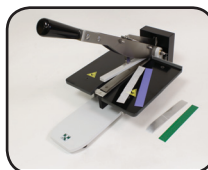
1270 PCA Score Bend/Opening Force Tester



The Score Bend Tester measures the force needed to open or bend paperboard and scored paper carton. Force data is vital for accurately configuring machinery that controls cartons on form, fill and seal lines and for analyzing carton performance for runnability and quality control. The ability to predetermine settings in the production of cartons can increase overall efficiency.

Sample Preparation Tools:

JDC Precision Sample Cutter



Thwing-Albert's JDC Sample Cutter is the industry standard for preparing samples for tensile testing. Dual-blade cutting action gives you clean, accurate cuts for paper, paperboard,

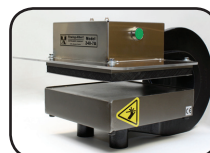
plastic, film, rubber, textiles, nonwovens, metal foils and other sheet materials up to 16" x 3". Custom-sized cutters are available upon request.

The 10" models of the JDC feature a 20" base for leverage to cut with ease. Safety shields and sample platforms can be ordered optionally.



Alfa Cutters

Air operated, these pneumatic cutters quickly prepare test samples of paper, heavy papers, and cardboard at the touch of a button.



240-7B

240-7B

7 tons of cutting pressure
10" x 10" maximum sample

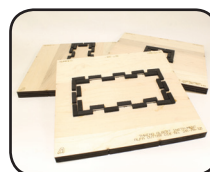
240-15B

15 tons of cutting pressure
10" x 22" maximum sample



240-15B

Dies can be configured to prepare any number and shape of test samples up to the maximum cutting area of the Alfa Cutter. (Dies must be ordered separately).



Visit our website for more sample preparation tools.

**More than a century of testing solutions,
let our experts help you.**

**Contact us for a demonstration at
856-767-1000 or sales@thwingalbert.com**

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