

TIME TESTED INSTRUMENTS FOR QUALITY

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

Tensile Testing Frames - Universal Materials Testing

Single and Dual Column Testing frames are available. The Vantage-NX Series utilizes our MAP4 Testing Software for both routine and complex testing applications. For more simplified testing, the QC-3A is designed to provide basic testing without the need for a computer.

- Available Frame Capacities: 1Kn – 10 kN**
- Available Crosshead Travel: 10 – 48 inches**

Vantage^{NX}
Duo



Vantage^{NX}
Single Column



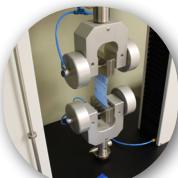
QC-3A
Universal Frame



Grips & Fixtures

A full line of grips and fixtures are available to meet most international standards including ASTM, ISO, DIN, TAPPI and others. We also provide custom solutions to meet unique and specific testing needs.

Our offering includes standard grips for tensile, compression, flexural, seal/peel strength, COF and puncture/burst testing. Extensometers and environmental chambers are also available.



Tensile
Strength



Compression/
Crush



Flexural
Strength



Seal
Strength



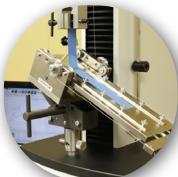
Wet
Tensile



Score
Quality



Coefficient of
Friction



Peel
Strength



Opening
Force



Handle
Strength



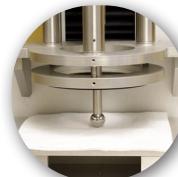
Lid Removal
Force



Cup Seal
Strength



Puncture
Resistance



Burst
Strength



Thwing-Albert
Instrument Company



TA041822

thwingalbert.com

Friction/Peel

COF, Peel, Seal

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.



ProTear

Elmendorf Tear

Quickly and accurately evaluate the tear strength of sheeted materials like paper, packaging, plastic film, foils, and nonwovens. Capacities from 200-12,800g



Heat Sealers

ASTM F2029

CeraTek Precision Laboratory Heat Sealers are known for durability and dependability. They can be equipped with a variety of options making them suitable for many applications.



Alfa Cutters

Sample Preparation

These pneumatic press cutters quickly prepare test samples of paper, heavy papers, and cardboard at the touch of a button. Dies can be ordered to cut any shape.



ProGage

Thickness

The ProGage utilizes the most advanced technology to accurately measure the thickness of sheeted materials such as paper, plastic film, nonwovens, and textiles.



Dart Drop

Free Falling Dart

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



Burst Tester

Mullen Type

The RL-BT-A is designed for measuring the bursting strength of paper, paperboard and corrugated board. Two models are available depending on your testing needs.



JDC Strip Cutters

Sample Preparation

This dual-blade strip cutter gives you clean, accurate cuts for tensile testing of paper, paperboard, plastic, film, rubber, textiles, nonwovens, metal foils and other sheet materials up to 16" x 3".



Score Bend

Opening/Bending Force

The Score Bend Tester measures the force needed to open or bend paperboard and scored paper carton.



Handle-O-Meter

Softness/Handle

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



Internal Bond

TAPPI T569, TAPPI T833

The RL-IBT-A is used to determine the internal bonding strength of paper and paperboard. Automatic and Manual sample preparation stations are available to assist in test setup.



Circular Cutters

Sample Preparation

This circular cutter is an accurate, safe, ergonomic, simple and economical basis weight cutter. Available in various diameters based on your sample needs.



Browse our full product line at thwingalbert.com/catalog