



Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

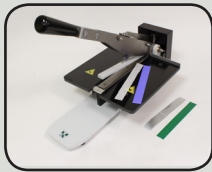
Sample Cutter Options

The capability to prepare test specimens accurately, efficiently and safely is critical to insuring reliable and repeatable test results. Inadequate sample preparation can lead to additional retesting and higher costs while improper tools can endanger operator safety.

Strip Cutters

Strip cutters are ideal to prepare specimens that require a specific width for testing such as tensile, adhesion and seal strength testing. We offer two cutters depending on the accuracy and edge quality required. These cutters are appropriate for thin materials such as paper, paperboard, nonwovens, textiles, plastic film and foils.

JDC Precision Sample Cutter



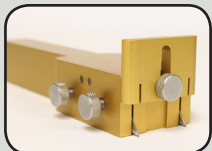
The JDC Sample Cutter is the industry standard for preparing samples for tensile testing. Featuring exceptional cutting accuracy of +/- 0.001" Dual-blade cutting action gives you clean, accurate cuts for paper, paperboard, plastic, film, rubber, textiles, nonwovens, metal foils and other sheet materials.

The cutters are available in widths ranging from 0.125" to 3" and lengths of either 10, 12 or 16 inches.



The JDC cutter is designed to last for many years and a reconditioning service is also available to extend the life of the cutter.

MTT 1" Strip Cutter



The MTT Strip Cutter is a cost-effective cutter designed to prepare 1" wide samples for seal and peel adhesion testing. Simple to use with common utility knife blades that can be changed quickly for everyday testing needs. It is equipped with a safety locking system that shields the blades while not in use.



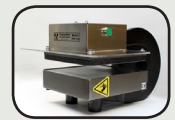
Die Cutters

Die cutters offer the most versatility as they allow the user to interchange cutting dies based on their testing needs. These cutters are ideal for a wide range of sheet type materials including tissue paper, plastic film, fabrics, heavy paper, cardboard and foils.

Dies can be configured to prepare one specimen of a given shape or be supplied to cut multiple specimens of the same geometry or multiple geometries. These types of cutters are a good choice for high volume sample preparation as multiple sheets can be cut at once increasing throughput. Very little maintenance is required, and dies are easily replaced once they become dull.

Alfa 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

240-15B
15 tons of cutting pressure
10" x 22" maximum sample



240-10

240-10
15 tons of cutting pressure
12" x 12" maximum sample



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



Circular Cutters

The Circular Sample Cutter is designed to easily prepare samples for basis weight/grammage determination, corrugated crush tests or any specimen preparation that requires a specific diameter or area.

Manual Circular Cutters



This Circular Sample Cutter quickly prepares samples used for determining basis weight of sheet materials including paper, textiles, and plastic films. These are the available options:



175B - 100 cm²
PS 7.5 - 7.5 cm²
PS 10 - 10 cm²
PS 50 - 50 cm²

Electronic Circular Cutter

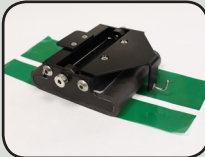
This Circular Sample Cutter offers an ergonomic way to cut specimen and it is portable with an rechargeable battery or a cord. The built in safety feature will only cut when the handles are pressed down.



Templates



A variety of templates are available to meet specific specimen dimensions. The template is placed on top of the samples and a razor knife is used to cut along the edge.



These are excellent options to prepare various shapes (such as Constant Radius specimens for ASTM D1922) or rectangular specimens for COF testing.

Specialty Cutters

Sometimes an industry standard will require a specific size or shape of a sample. A variety of cutters are available for specific specimen preparation including those for materials that may need a careful method to cut them without impacting testing results.

98 Cutters (Elmendorf Test)

This cutter is used to prepare specimens 63 mm wide and up to 6 inches long for evaluating Elmendorf tear strength.



98-2000 Cutter

Corrugated Cutters

Prepare samples for edge crush tests, and pin adhesion tests with pneumatic and electronic sample cutters used to prepare samples of corrugated board.



CAP-21

Mallet Dies

A simple die used with a hammer to cut low volume sample needs for specific shapes for a cost effective alternative. One example is for use with the EZ-Cup Vapometers.



2.9375" Diameter