

LAMINATED SAFETY  
GLASS INTERLAYER



Cut by an  
Eastman.

EASTMANCUTS.COM





## LAMINATED

### REDUCED LABOR | INCREASED QUALITY | IMPROVED MATERIAL UTILIZATION

Manufacturers design with interlayer films to provide structural and functional properties for security, safety, impact resistance, UV protection and sound insulation.

Automated cutting of laminated glass interlayer saves time while minimizing labor, human error, and material waste.

Eastman automated systems are engineered in tandem with industry leaders who demand a reliable and repeated solution for high-speed cutting of a range of film thicknesses and widths inside a clean room environment.

**Eastman is committed to manufacturing industrial solutions proven to be simpler to operate, less expensive to maintain and customized specific to cutting and handling interlayer films.**

# Single to Low-Ply Cutting\*

Eastman's automated single-to-low ply systems, the C125 conveyor and S125 static table, are engineered to suit virtually any flexible technical or industrial fabric at true operational speeds reaching 60 inches (152.4 cm) per second\*\*.

## CUTTING SURFACE

The cutting surface of the single-to-low ply systems is a smooth, durable, high-durometer cast urethane belt. The surface ensures the material remains free from any particles or debris and is easy to clean. The cutting surface has proven reliable for up to 2,000+ hours of normal operation, with some customers testifying to more than four years of continuous use. Just over 500,000 holes are perforated in a random pattern on the belt, providing evenly dispersed vacuum flow.

### Basic Specifications | C125 Conveyor System & S125 Static Table<sup>§</sup>

Widths	Lengths	Speed Data - Maximum Levels	
54 in. (1.37m) <sup>§§</sup>	8 ft. (2.44m)	Cutting & X/Y	60 in./sec. (152.4cm/sec.)
60 in. (1.52m)	12 ft. (3.66m)	Acceleration	1.3 g
72 in. (1.83m)	16 ft. (4.88m)	Conveyor	11 in./sec. (28 cm/sec.)
78 in. (1.98m)		<b>Environmental</b>	
84 in. (2.13m)	20 ft. (6.10m)	Compressed Air Consumption	15 CFM
108 in. (2.74m)	24 ft. (7.32m)	Sound Level	<76 dB(A)
Additional widths available	Additional lengths available	Operating Temperature	55 - 100°F (12-37 C)
		Humidity	20 - 80% (non-condensing)

### C125 & S125 Compatibility

Standard Tool Head	PVB	Ionoplast	EVA	TPU	✓
Heavy-Duty Tool Head					✓



## VERSATILE TOOL HEAD

The Eastman tool heads are powered by their own brushless servo motor and independently controlled air supply. The tool head comes in two styles, heavy-duty and standard, equipped with two or three tool spindles. Spindle inserts are chosen from a vast catalog of over 60 inserts, allowing uninterrupted cutting. The ability to use any combination of tools increases production, flexibility, and minimizes downtime.

\*The number of plies is dependent on material, weave, density and thickness.

\*\*Achievable speeds and accelerations are tool, material and thickness dependent. All indicated speeds, dimensions, weights and performance data are approximate and subject to change without notice.

<sup>§</sup>Please contact the factory for active cutting zone dimensions. Custom widths and lengths available.



<sup>§§</sup>Static table only.

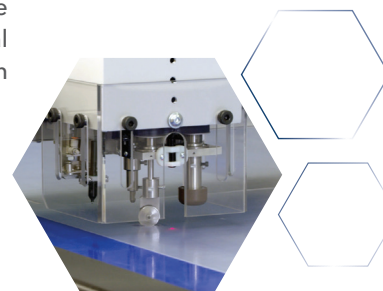
# OUR EXPERTISE KNOWS NO BOUNDS.

## Precision Tools & Blades

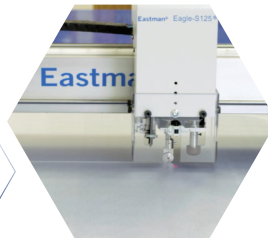
The highlighted tools provide a clean quality cut edge. They are non-motorized, inexpensive, consumable blades with minimal maintenance. Blade exposure and pressure will vary based on material properties.



Round Knife	Drag Knife
 <ul style="list-style-type: none"> <li>• Blade is designed to glide through material while maintaining minimal contact</li> <li>• Ideal for straight panels and curved patterns</li> </ul>	 <ul style="list-style-type: none"> <li>• Optimal for small, intricate cuts or thicker interlayer</li> <li>• Can be used in combination with other knives for externals or larger panels</li> </ul>
Blade Specifications	
0.71 in. (18mm) 1.00 in. (28mm) 2.00 in. (45mm) 2.36 in. (60mm) 3.00 in. (75mm)	30° 45° 55°
Blade Material	
Tool Steel	Tungsten Carbide Steel
Options	
Depth Limiters Carbide Steel Blade	UHMD Coating Roller-ball Assembly
C125 & S125 Compatibility	
✓	✓



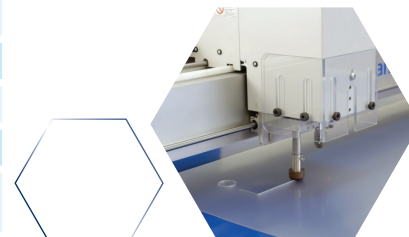
EVA - 0.015" / 0.38mm  
Round Knife



EVA - 0.030" / 0.76mm  
Round Knife



PVB - 0.088" / 2.28mm  
Drag Knife



Ionoplast - 0.088" / 2.28mm  
Drag Knife

## Cleanroom Configured

Eastman has experience installing systems in controlled environments. There are various options available to meet cleanroom standards.

### FEATURES

- Stainless Steel Roller
- EPDM Drive Roller
- PLC interfacing with entire glass line
- Fast & easy pattern modification at machine
- Silicone free installation
- Anti-static control

### BENEFITS

- No product contamination during cutting process
- Operator actions can be displayed with light signal for added safety
- Dramatically reduce cutting & material handling times
- One solution for many material thicknesses
- Compatible with both rolled or sheet goods

### APPLICATIONS

- Security
- Safety
- Impact Resistance
- UV Protection
- Sound Insulation

# This is your Eastman.

Finding the right cutting solution for your production floor doesn't have to be difficult. Eastman's cutting machines offer flexibility without sacrificing durability or reliability. Whether your application requires straight, curved, or custom cuts, we can customize your cutting solution.

A variety of optional accessory equipment offers maximum adaptability for any Eastman system, providing additional tools to streamline associated processes in your operations. Matched to specific customer needs, Eastman has a solution for nearly every cutting requirement.

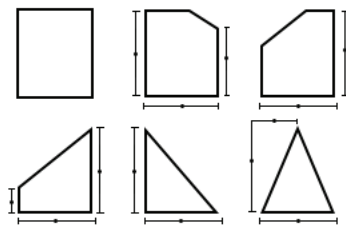
## SOFTWARE



The brain of the cutting system is Eastman's Windows based cutPRO software. Eastman's copyrighted, user-friendly, software allows real time viewing of the tool path during the entire cutting phase. The software is easy to configure and calibrate making for efficient operation and higher uptime. Additional design and nesting software is available.

### EasiShape

Easily and quickly generate shapes with adjustable dimensions and quantities using EasiShape software. Choose from a library of over 70 shape templates, bypassing the need to draw shapes via CAD.



## MATERIAL HANDLING

Reduce labor and increase efficiency with various material handling solutions.

### Multi-Roll Carousel

The motorized carousel provides simple access to multiple material rolls for end-of-table spreading, using minimal floor space. Mechanical storage eliminates wasteful and potentially harmful steps for stocking and retrieving rolled materials.

### Power Feed Systems

The Power Feed System continuously supplies material for the length of marker or until the roll is consumed. It automatically adjusts and maintains consistent tension for any material type. An optional photo-electric edge control unit ensures precise alignment of each ply. Available in one-roll, two-roll, three-roll, six-roll with cart, or flat fold configurations.

### Film Release Winder

Keep direct contact with pre-cut material to a minimum with the Film Release Winder. Automatically rewind protective film onto cardboard or PVC core during interlayer unwind. Multiple rewind systems may be integrated.



Pictured: 3-Roll Power Feed



Pictured: Multi-Roll Carousel

## INTERNATIONAL COMPLIANCE RATINGS



The operating computer and control cabinet, are housed in sealed, independent enclosures. They offer dust and water resistant protection in harsh or high particulate environments. Additionally, cabling connectors, servo motors and display components meet recognized international protection rating requirements for the composites industry.

**ISO 9001 CERTIFIED | MADE IN USA**



# About Eastman

One hundred thirty years ago, Eastman introduced the world's first electric cloth cutting machine, revolutionizing the textile industry in the process. Today, we continue to deliver engineering based cutting innovations that make real differences to our clients' productivity. As a fifth generation, family-operated business devoted to excellence, our promise is to craft reliable, quality, American-made solutions. In other words, your Eastman product is guaranteed to meet your precise production requirements.



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