Eagle C125 Conveyor Cutting System

Eastman®

Taking continuous cutting to new heights

The Eagle™ C125 conveyor system has supreme capabilities for single- to low-ply cutting requirements. It has the ability to continuously convey rolled material goods with consistent speed and control. Eastman's gantry and tool-head design are engineered to cut the most diverse technical and industrial fabrics available, while exceeding industry standards for accuracy. The robust conveyor design delivers unrivaled levels of material utilization and is often capable of cutting multiple layers without plastic overlay*. This computer-controlled cutting system requires minimal operator guidance to automatically feed and spread material to the identified start position. Smooth and accurate cutting of long markers is accomplished with the support of a powerful, yet quiet and self-contained vacuum system.

Cutting Surface

The cutting surface is a smooth and durable, high-durometer cast urethane conveyor belt suitable for even sticky or downy materials. It has proven reliable for 2,000+ hours of normal operation, with some customers testifying to more than four years of continuous use.

Material Hold-Down

The C125 is equipped with a self-contained, high-flow vacuum system to ensure optimum material hold-down for cutting. Millions of holes are perforated in a random pattern that provides evenly dispersed vacuum flow, no matter where you are cutting. The piece removal zone is integrated into the design, eliminating the need for extension tabling.

Made to Order

Available in a range of widths, lengths and various tool head accessory options, the C125 will be built to match your application needs, allowing you to customize the tools and capabilities to maximize productivity.

International Compliance Ratings

The operating computer, and control cabinet are housed in independent enclosures that are sealed to offer dust and water resistant protection in harsh or high particulate environments. Additionally, cabling connectors, servo motors and display components meet recognized international protection ratings requirements.

Industrial Design for Rigorous Use

- Advanced electro-pneumatic regulator for precise tool pressure control
- Built-in surge protection to block voltage spikes and surges
- Heavy-duty cable connectors
- Hi/Low voltage systematic panel layout for easy troubleshooting
- Easy access, sealed doors for inspection and maintenance
- Heavy-gauge steel construction with scratch-resistant powder coated finish

*Material dependent

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Safety

- Four remote emergency stops: two on cutting gantry, two system-mounted
- Additional gantry-mounted stop disks pause system operation until returned to neutral and reset. Operation can then be resumed from any position
- Tool head is equipped with plexiglass safety window to keep hands free of knife during operation
- Single turn-off point with a universal power system for lockout/tagout safeguards employees from unexpected start-up

Flexible Design

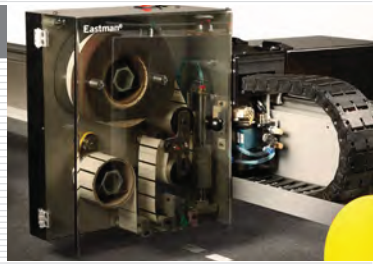
Tool Head

Choice of standard, heavy-duty or fiber tool head, featuring individually aligned and calibrated tool spindles with your choice of over 60 blades, punches and notches.

A library feature within the operating control software allows the opeartor to save commonly used tool pressures and blade assignments based on job and material files.

Marking/Labeling

All tool heads are equipped with a pen or Sharpie® assembly for marking. Additional options available for airbrush ink spray, adhesive labels or drop-on-demand inkjet.



Options

Additional Solutions

- EasiHold™ | for cutting lofted material
- EasiLabel | adhesive label system
- EasiMark | airbrush marking system
- JetPRO™ | drop-on-demand inkjet
- Variety of material handling equipment
- Fiber tool head
- Heavy-Duty tool head

Conveyor Technical Specifications*

BASIC SPECIFICATIONS*		ENGLISH	METRIC
Please contact the factory for active cutting zone dimensions. Custom widths and lengths available.	Width	78 in.	1.98 m
		96 in.	2.44 m
		108 in.	2.74 m
		114 in.	2.90 m
		126 in.	3.20 m
		156 in.	3.96 m
	Length	12 ft.	3.66 m
		16 ft.	4.88 m
		20 ft.	6.10 m
		36 ft.	10.97 m
	Drive System	Dual-X Axis, Y-Axis & Theta Axis. X & Y-Axis Rack & Pinion Drive, Brushless Servo Motors	

POWER REQUIREMENTS			
Electric	Diagnostic Control Cabinet/PC	230V, 3 ph, 50/60 Hz, 5.4 kVA. Stand-alone step-down transformer required for other voltages.	
	Vacuum Blower	208/230/380/460V, 3 ph, 50/60 Hz, 10 HP, VFD control	
Pneumatic		75 – 90 psi at 15 SCFM	5.17 – 6.2 bars at 0.42 cmm

SPEEDS		
Maximum Cutting Speed	60 in./sec.	152.4 cm/sec.
Maximum Conveyor Speed (System size dependent)	11 in./sec.	28 cm/sec.
Maximum Acceleration	1.3 g	
Maximum X/Y Speed	60 in./sec.	

ENVIRONMENTAL		
Compressed Air Consumption	15 CFM	
Sound Level	<76 dB(A)	
Operating Temperature	55 – 100°F	12 – 37°C
Humidity	20 – 80% (non-condensing)	

*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.

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