



TAKING CONTINUOUS CUTTING TO NEW HEIGHTS

The Eagle™ conveyor system boasts 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.

With basic training from skilled Eastman technicians, your operator will learn how to adjust tool settings, cutting pressures and blade exposures to maximize your investment. Frequently processed application settings can be conveniently stored within the operating control system library to minimize any operator downtime and eliminate the loss of important production information.

*Material dependent



DESIGN & EFFICIENCY

- Self-contained high-flow vacuum system offers optimum material hold-down for cutting, using less floor space than models with external blower systems
- Touch-screen display and joystick are conveniently located on the cutting gantry for simplified operator use
- Durable, high-durometer cast urethane conveyor belt has a fabric backing proven reliable for 2,000+ hours of normal operation, with some customers testifying to more than four years of continuous use
- Standard variable-frequency drive eliminates the motor starter; you can control the vacuum and minimize noise levels
- Reduces material handling by continuously feeding material as needed

TECHNOLOGY

- Exclusive InMotion™ software enables the conveyor to continuously move while the gantry is cutting, offering tremendous efficiency for pattern pieces exceeding the table length (patent pending)
- Networked machines can be accessed by Eastman technicians off-site in real-time for immediate troubleshooting and support
- Real-time diagnostics monitor all wires and signals, as well as motors
- Software algorithms identify components in need of maintenance or replacement
- All motion control axes utilize precision rack and pinion drives

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



FEATURES

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. See page 12 for more information.



Marking/Labeling

All tool heads are equipped with a pen or Sharpie® assembly for marking. Additional options available for ink spray or adhesive labels.



OPTIONS

Additional Solutions

- **EasiHold®** | for cutting lofted material
- **EasiLabel** | adhesive label system
- **EasiMark** | airbrush marking system
- **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	208/230/380/460/575V, 3 ph, 50/60 Hz, 5.4 kVA	
	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.