



## Go ahead. Get tough.

Eastman's static table system is capable of cutting, marking, drilling and punching virtually any flexible material at speeds of up to 60 inches per second (152.4 cm/sec.). The static cutting table has proven itself as the go-to resource for materials like cotton, nylon and vinyl as well as difficult-to-cut materials—such as polystrand, p-tex, and fiberglass-polyester blends. The static table system is available in a range of system lengths and widths to meet the demands for prototypes, one-offs and full-production runs. The system's high-precision configuration features multi-axis motion for more defined and accurate cuts. Material is spread across the static table by an operator or with the use of a pneumatic gripper bar. The open plenum vacuum system design ensures evenly dispersed airflow for optimal material hold-down. This computer-controlled system features zoning capabilities to enable cutting in one area while the operator is simultaneously picking parts in another, maximizing daily production capacity.

### Cutting Surface

The standard cutting surface is a porous plastic sheet. Alternative cutting surfaces are available to optimize cutting results for any given material or aid in controlling material contamination concerns. Proven reliable for 2,000+ hours of normal operation use.

### Material Hold-Down

The S125 is equipped with a high-flow vacuum system to ensure optimum material hold-down for cutting. The porous surface ensures evenly dispersed vacuum flow, no matter where you are cutting. Cutting zones may be designated so that cutting occurs in one area while piece removal takes place in another.

### Made to Order

Available in a range of widths, lengths and various tool head accessory options, the S125 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

## 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

## Options

### Additional Solutions

EasiHold®	for cutting lofted material	Fiber tool head
EasiLabel	adhesive label system	Heavy-Duty tool head
EasiMark	airbrush marking system	Router tool head
JetPRO	drop-on-demand inkjet	Laser tool head
EasiPull	material pulling system	

## 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 operator 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.



## Static Cutting Table Technical Specifications\*

BASIC SPECIFICATIONS*		ENGLISH	METRIC
Please contact the factory for active cutting zone dimensions. Custom widths and lengths available.	Width	54 in.	1.37 m
		60 in.	1.54 m
		72 in.	1.82 m
		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
	Length	156 in.	3.96 m
		8 ft.	2.44 m
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 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.

10-10-2013