

Talon 25x Cutting System

Eastman®

The Talon™ Tool Head*

- Quick change knife and sharpening disc
- Reciprocating knife provides precise vertical stroke cutting
- Precision knife control software ensures quality cuts from top to bottom ply
- Cutting up to 1.18 in. (3 cm) of compressed material
- Single coated diamond disc provides the perfect cutting edge. Sharpener can be adjusted to user defined angle.
- High-speed-single or dual pneumatic drills
- Internal crank cooling system reduces heat and wear/tear*
- Easy access to knife system and assembly parts simplifies daily maintenance procedures
- Direct drive knife system for fewer moving parts and less wear and tear
- Blade wear monitor
- Control of corners to minimize fusing

Other Standard Features

- Materials database
- Power consumption reduced through intelligent vacuum controls
- Easy to replace bristle blocks used in the cutting area
- Washable filters
- Internal silencer



Options

- **Knife Chiller** | Direct knife cooling improves cutting speeds and the ability to cut heavier-ounce materials
- **Lateral drive** | Motorized drive for moving the system from one spreading table to another
- **Automatic bristle cleaner** | No separate cleaning cycle
- **Resealer** | Reseals the area that is cut to generate better vacuum hold-down so that material does not shift while being cut.
- **Heavy-Duty Knife** | Less blade deflection for tough materials
- Management Reporting Software
- InMotion™ cut while convey for improved throughput
- Left or right operator control
- Airbrush, Pen or LabelPRO for pattern marking or labeling
- Drag Knife

Talon Technical Specifications

BASIC SPECIFICATIONS		ENGLISH (METRIC)
Custom widths and lengths available. Contact the factory for additional specifications.	Cutting Area Width	78 in. (2.0 m)
	Overall Machine Width	111 in. (2.84m)
	Cutting Area Length	5.5 ft. (1.68 m)
	Overall Machine Length	13.5 ft. (4.11m); 4 ft. (1.22m) unloading conveyor
	Drive System	Dual-X Axis, Y-Axis & Theta Axis. X-Axis Rack & Pinion Drive, Y-Axis Belt Drive, Brushless Servo Motors
Maximum Thickness of Compressed Material	Talon 25x	1.18 in. (3cm)
POWER REQUIREMENTS		
Electric	Control Power	208/230/380/460/575V, 3 ph, 50/60 Hz, 9.0 kVA
	Vacuum Blower	208/230/380/460/575V, 50/60 Hz, 25 HP, VFD control
Pneumatic		90 psi (6.2 bars), 18 cfm
SPEEDS		
	Maximum Cutting Speed (Material Dependent)	Up to 60 in./sec. (152.4cm/sec.)
	Maximum Conveyor Speed	8 in./sec. (20.3cm/second)
	Maximum Acceleration	1.0 g
ENVIRONMENTAL		
	Sound Level	<76 dB(A)
	Operating Temperature	55 – 100 °F (12 – 37 °C)
	Humidity	20 – 80% (non-condensing)

Safety

- Six remote emergency stops
- Additional gantry-mounted stop discs pause system operation until returned to neutral and reset. Operation can resume from any position
- Tool head is equipped with transparent safety cover
- Single turn-off point with a universal power system for lockout/tagout safeguards employees from unexpected start-up
- Stack light indicator marks operation status

*Patent Pending **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.

Talon25x-041218

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