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 3 in. (7.5 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

Talon Technical Specifications

**BASIC SPECIFICATIONS**
- Custom widths and lengths available, contact the factory for additional specifications
- Cutting Area Width: 76.6 in. (1.95m)
- 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: 3.0 in. (7.5cm)

**POWER REQUIREMENTS**
- Electric: 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)

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**

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

*Talons are available in a variety of sizes and configurations to meet your specific needs. Contact your local Eastman representative for more information.

Talon75x-072920