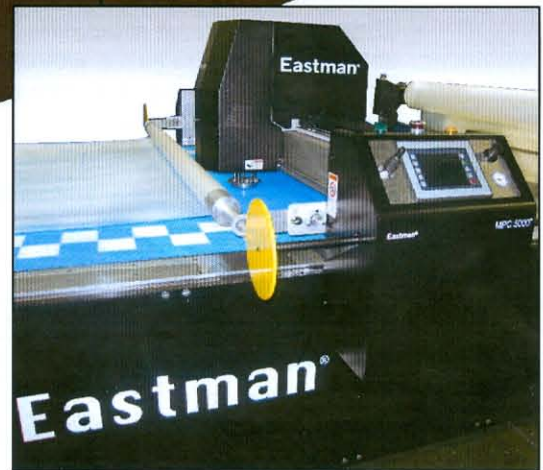


Eastman®

MPC-5000™

Multi-Ply Cutting System



The MPC-5000™ Multi-Ply Cutting System is an automated reciprocating straight knife cutter, with conveyor, capable of cutting up to 2 in. (5 cm) of compressed material. Material is automatically conveyed from a spreading table to the cutting area where a polyethylene film automatically covers the spread to create an airtight seal.

Equipped with a network based distributed motion control system, this real-time digital network incorporates machine intelligence with additional diagnostic, performance and reliability benefits. The MPC-5000™ is capable of monitoring itself; reporting faults and can alert operators if maintenance is required.

Robust Performance
Unparalleled Service
Industry Expertise

- Powerful conveyor drive system
- Chain driven bristle cutting surface
- Dual-X, Y & Theta Axis Rack & Pinion drive with brushless servo motors
- Robust gantry and tool head design
- Modular 4-disc sharpening stones for automatic knife sharpening
- Six stage vacuum turbine with silencer and dust/debris filter
- Touch screen display and joystick conveniently located on the cutting gantry
- Options include: Automatic bristle cleaner; Resealer; Lateral Drive

durability support expertise

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Benefits and Features

- Bundles of cables are eliminated; the distributed motion control (DMC) communicates over a single ring network that allows the machine to run even with a network cable break
- Distributed motion control provides intelligent nodes for more precise diagnostics
- Self-monitoring; can report faults and alert operators when attention is needed or if maintenance is required
- Machines that are networked can be accessed by our service techs from off-site in real-time
- Six-stage vacuum turbine ensures material edge hold down during the cutting process
- Standard reciprocating knife with sharpener assembly and optional single/dual hollow punch pneumatic drill
- Intellicut™ knife control software improves the quality of the cut from top to bottom ply
- Cutting area made up of long-lasting bristle blocks allowing the knife to pierce without damage
- Touch screen display and joystick conveniently located on cutting gantry

Options

Additional Options

- Lateral drive - motorized device for moving the cutter from one spreading table to another
- Automatic bristle cleaner
- Resealer - seals cut areas to provide maximum vacuum hold down

Software - eSuite

- eCut - Operating Control Software
- eCAD - Design Work Space
- eNest - Nesting Application
- eShape - Shape Generator
- eSelect - Select items to process

Material Handling

- NA-600 Series Spreading System
- Saber Series Cradle Feed Spreading System
- Blue Jay Spread & End Cutting System
- Pacemaker or Turntable Manual Spreaders
- Expandable Roll Carrier

Specifications

Specifications are subject to change without notice

Overall Table Width*	91 in. (2.3 m) *Does not include gantry
Overall Table Length	16 ft. (4.9 m)
Addressable Width	78 in. (2.0 m)
Addressable Length	6.5 ft (2.0 m)
Useful Unloading Length	72 in. (1.8 m)
Power: Electric	Controls/PC: 200/230/400/460/575V / 3 ph, 50/60Hz, 7.0 KVA Vacuum: 200/220/380/415/440/575V / 3 ph, 50/60Hz, 30 HP (22kW) / VFD control
Power: Pneumatic	Nominal: 7 bars (101 psi) / Min. Pressure: 6 bars (87 psi) Max. Yield: 36 m ³ /hour (21 cfm)
Weight	~8,500 lbs. (38 kN)
Computer	Dual Core Processor
Operating System	Windows XP
Drive System	Dual-X, Y & Theta Axis Rack and Pinion Drive / Brushless Servo Motors
Cutting Speed	thickness/material dependent
Max. X/Y Speed	40 in/sec. (60m/min)
Max. Acceleration	0.3g
Max. Conveyor Speed	8 in/sec. (12m/min)
Static Positioning Accuracy	±0.010 in. (±0.25mm)
Sound Level	<76db(A)
Max. Vacuum Pressure	100 in. H ₂ O (250 mb)
Max. Vacuum	1200 cfm (34 m ³ /min)
Volumetric Flow	
Max. Thickness of Compressed & Cut Material	2 in. (5 cm)
Max. Thickness of Non-Compressed Material	3.75 in. (9.5 cm)
Reciprocating Knife Speed	Variable up to 5,000 RPM