

Eastman®

Over a Century of Cutting Expertise

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PRODUCTS

Conveyor Cutting System



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Information



Specifications:

Software

Windows Operating System

Drive System

Dual X, Y and Theta Axis Rack and Pinion Drive
/ Brushless Servo Motors

Cutting & Plotting Speed

60 inches per second (152.4cm/s)

Conveyor Belt Speed

11 inches per second (28cm/s) standard; 16
inches per second (40cm/s) optional for (78" x
16' system only)

Acceleration

1.3G (500 inches/second²)

Electrical Requirements

Controls/PC: 200/230/400/460/575V; 3 phase,
50/60Hz 5.4KVA

Vacuum: 200/220/380/415/440/575V; 3 phase,
50/60Hz, 10HP. Optional VFD control.

Compressed Air Requirements

75-100 psi at 15scfm

Sound Level

<75 dbA

Standard Sizes

Active Cutting Widths (inches): 78 in., 96 in.,
108 in., 126 in., 156 in.
Active Cutting Widths (meters): 2.0m, 2.4m,
2.7m, 3.2m, 4.0m

The Answer to Automated Cutting

The conveyor cutting system is Eastman's latest low-ply CNC cutting system. It is engineered to operate 24 hours / 7 days a week — without sacrificing speed or accuracy. The conveyor delivers heavy-duty continuous cutting performance which stands up to any cutting requirement.

The conveyor cutting system automatically feeds and spreads material onto the conveyor and its internal blower system ensures material hold-down and cutting accuracy. Eastman's gantry and tool head design utilizes a precision servo-controlled belt tracking system, with a rack and pinion drive, which can cut a wide variety of materials and thicknesses, with unprecedented speed and accuracy.

The Eastman Eagle has been an excellent addition to our machine lineup here at SAERTEX. We are able to consistently cut four layers of 1200 g/m² (fiber)glass at one time. We can cut lengths of glass in excess of 50 meters while holding the tolerances to less than 0.1%... simply amazing!
--Stefan Maier, SAERTEX USA - General Manager/COO

Features:

Design and Performance

- Heavy-duty welded structure
- Powerful conveyor drive system
- Robust gantry and tool head design
- Exclusive high-durometer, monofilament urethane belt for longevity and unsurpassed cutting quality
- Self-contained high-flow vacuum system (housing the blower and silencer) offers optimum material edge hold-down for cutting, and requires less floor space
- Patented perforated steel-top plenum; an extremely hard and flat cutting surface
- Pre-tensioned cutting belt
- Servo-controlled belt tracking system
- Choice of extended warranty plans

Efficiency

- Extraneous bundles of cables are eliminated; the distributed motion control software communicates over a single ring network allowing the machine to run even if a network cable break occurs
- 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 technicians from off-site in real-time, getting the machine back into production faster than ever
- eCut™ Windows® motion-control software offers calibration and diagnostic features
- Touch screen display conveniently located on the cutting gantry

Custom widths also available

Overall Table Lengths (feet): 16 ft., 20 ft., 24 ft.

Overall Table Lengths (meters): 4.9m, 6.1m,
7.3m.

Custom Lengths also available

- A single turn off point with a universal power system lockout/tagout

Maximum Cutting Material Thickness

Material dependent

Machine Weight

~6,000 lbs. (27kN)