

# MATCHPOINT® BLADE II™

The BLADE II™ linear saw helps Roof Truss and Floor Truss Component Manufacturers cut more high-mix chords and web parts by avoiding machine downtime and increasing throughput with more green-light time.



PHYSICAL DATA

Components  
(see Options)

- Saw w/ 1 printer and infeed rail
- Auto Deck
- Lumber feed system
- Blade II Software (wall panel software optional)
- 10' L x 8' W x 6" H (+/- 1-1/2" for adjustable feet)
- 19' 8-5/16" L x 3' 4-5/16" H (+/- 2-1/8" for adjustable feet)
- 45' 9" L x 18' W (including Powered Skewed Conveyor)
- 1 saw blade, 17" diameter
- 66 scfm @ 110 psi
- 41° to 122°F ambient
- Stroke, angle, elevation, LASM, infeed drive, and bevel

Dimensions of saw

Dimensions of 16' Infeed Rail

Footprint of typical system

Saw blade

Pneumatic requirements

Temperature requirements

Servo motors

Electric motors

- Saw blade 5 hp, 4,200 rpm
- Waste conveyor and lumber exit chain drives 1/2 hp
- Powered Skewed Conveyor 1 hp
- Auto Deck 1 hp

Approximate weight

- Saw 8,900 lbs
- Auto Deck, 6 strands (12' long) 2,000 lbs (20' long) 4,000 lbs
- Infeed Rail (16') 1,360 lbs (20') 1,600 lbs
- Skewed Conveyor (16') 900 lbs (20') 1,100 lbs

PERFORMANCE DATA

Modes	Automatic (Manual Mode for maintenance)
Speed	Infeed rail = up to 500 feet per minute, depending on lumber size
Board capacity	2x3 through 2x12 boards <ul style="list-style-type: none"><li>• Edge = 1-3/8" to 1-5/8"</li><li>• Face = 2-1/2" to 11-7/8"</li><li>• Max. Length = 16' (see Options)</li></ul> LVL (Laminated Veneer Lumber) <ul style="list-style-type: none"><li>• Edge = 1-3/4"</li><li>• Face = 11-7/8"</li><li>• Max. Length = 16' (see Options)</li></ul>
Shortest length on Auto Deck	6' (see Options)
Shortest length to exit saw	2"
Min. or max. length of cut	Infinite
Number of angle cuts	Infinite
Accuracy of each axis	1/32" and 0.1 degree

FEATURES

- Premier linear saw with advanced safety systems, reliable components to prolong machine life, and simplistic operation for optimal ease of use.
- All cutting is done inside the saw chamber for safe operation and dust control.
- Advanced components are reliable and prolong machine life, minimizing downtime and increasing throughput.
- A single main electrical enclosure contains all electronics, allowing for easier maintenance and troubleshooting.
- All axes are powered and automatically adjust to cut.
- A variety of included board part shapes can be selected for cutting, including stair stringers.

## ELECTRICAL DATA

Electrical specs	230 VAC 60 Hz 3-phase (other voltages require transformer)
FLA plus control amps	67 amps
Disconnect protection	100 amps

## SAFETY DATA

E-stops	Pushbuttons
Interlocks	Chamber doors interlocked with saw blade
Safety compliance	UL (panels), OSHA
Indicators of movement	Beacon light and horn
Labels	Bilingual or ISO

## OPTIONS

- 20' board length capacity on Infeed Rail and outfeed table
- Auto Deck configurations vary to accomodate different minimum and maximum board lengths
- Automatic lumber feed system can replace Auto Deck
- Skewed Conveyor (16' or 20') provides automation on the outfeed end
- Left-hand waste conveyor (right-hand discharge is standard)
- Incline waste conveyor can run inline or perpendicular to waste conveyor on saw
- Wall panel software
- Optional printing features: See the BLADE II™ Printer spec sheet

# BLADE II™ PRINTER OPTIONS

Print features available for the BLADE™ wood processing system.



## OVERVIEW OF PRINTER OPTIONS

**A** - Standard printer included with every saw, uses 1 print head to print standard print fields (text) on front face.

**C** - Same as A, plus a 2nd print head to print on top edge of board.

**F - AGS+** - Uses 2 higher resolution print heads to print everything, plus plate outlines in correct location, and basic graphics all on the face-up side of boards. It also includes a 3rd print head to print on the top edge of boards.

## COMPARE AND CONTRAST PRINTER OPTIONS

	Front	Rear	Edge	Front	Rear	Edge	Face-Up Side					Front	Rear	Edge
	# of Valves			Standard Print Fields^			Joint #	Align-ment Marks*	Plate Size	Plate Out-line	Graphic	Wall Marks		
<b>A</b>	16	0	0	X										
<b>C</b>	16	0	7	X		X						X		X
<b>F (AGS+)</b>	32	32	7	X	X	X	X	X	X	X	X	X		X

^ Default Standard Print Fields are truss name, quantity, and description, but many other text fields can be chosen from.

\* Joint Alignment Marks can be moved toward the top or bottom edge of the boards so they are closer to the joint.