

# 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.



ADVANTAGES

- 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.

PHYSICAL DATA

Components (see Options)	Saw w/ 1 printer and infeed rail Auto Deck Lumber feed system Blade II Software (wall panel software optional)
Dimensions of saw	3048 mm (L) x 2438 mm (W) x 1981 mm (H) ±38 mm
Dimensions of 16' Infeed Rail	6m L x 1m H (+/- 54mm adjustable feet)
Footprint of typical system	14m L x 5.5m W (including Powered Slew Conveyor)
Saw blade	1 saw blade, 432mm diameter
Pneumatic requirements	1.87 cubic metres per minute @ 110 psi
Temperature requirements	5°C to 50°C
Servo motors	Stroke, angle, elevation, LASM, infeed drive, and bevel

## PHYSICAL DATA (continue)



<b>Electric motors</b>	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
<b>Approximate weight</b>	Saw	4037kg
	Auto Deck, 6 strands	3.7m long: 907kg 6.1m long: 1814kg
	Infeed Rail	4.9m long: 617kg 6.1m long: 726kg
	Skewed Conveyor	4.9m long: 408kg 6.1m long: 499kg

## PERFORMANCE DATA

<b>Modes</b>	Automatic (Manual for maintenance)
<b>Speed</b>	Infeed rail= up to 152m per minute, depending on timber size
<b>Board capacity</b>	2x3 through 2x12 boards <ul style="list-style-type: none"><li>• Edge: 34.9 mm to 41.3 mm</li><li>• Face: 63.5 mm to 301.6 mm</li><li>• Max. Length: 4877 mm (see Options)</li></ul>
	LVL (Laminated Veneer Lumber) <ul style="list-style-type: none"><li>• Edge: 44.5 mm</li><li>• Face: 301.6 mm</li><li>• Max. Length: 4877 mm (see Options)</li></ul>
<b>Shortest length on Auto Deck</b>	1.83m (see Options)
<b>Shortest length to exit saw</b>	50mm
<b>Min. or max. length of cut</b>	Infinite
<b>Number of angle cuts</b>	Infinite
<b>Accuracy of each axis</b>	0.8mm and 0.1 degree

## ELECTRICAL DATA

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

## SAFETY DATA

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

## OPTIONS

- 6096 mm 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 (4877 mm or 6069mm) 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

## 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.