MiTek

SPECIFICATION SHEET

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)	
Dimensions of saw	10' L x 8' W x 6' 6" H (+/- 1-1/2" for adjustable feet)	
Dimensions of 16' Infeed Rail	19' 8-5/16" L x 3' 4-5/16" H (+/- 2-1/8" for adjustable feet)	
Footprint of typical system	45' 9" L x 18' W (including Powered Skewed Conveyor)	
Saw blade	1 saw blade, 17" diameter	
Pneumatic requirements	110 psi @ 73 scfm	
Temperature requirements	41° to 122°F ambient	
Servo motors	Stroke, angle, elevation, LASM, infeed drive, and bevel	
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

MII.COM/AUTOMATED-SOLUTIONS

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 • Edge = 1-3/8" to 1-5/8" • Face = 2-1/2" to 11-7/8" • Max. Length = 16' (see Options) LVL (Laminated Veneer Lumber) • Edge = 1-3/4" • Face = 11-7/8" • Max. Length = 16' (see Options)
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

	# of Valves			Standard Print Fields^			Face-Up Side					Wall Marks		
	Front	Rear	Edge	Front	Rear	Edge	Joint #	Alignment Marks*	Plate Size	Plate Outline	Graphic	Front	Rear	Edge
A	16	0	0	X										
C	16	0	7	X		X						X		X
F (AGS+)	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.

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