

A single-blade cutting device, material handling solution, and production control department.

Physical Data

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| Components: <i>(see Options)</i> | Saw w/ 1 printer and infeed rail | | |
| | Auto Deck or optional lumber feed system | | |
| | Software (Wall panel software optional) | | |
| Dimensions of saw: | 6' 10" L x 8' W x 6' 5-1/2" 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 | | |
| Servo motors: | Stroke, angle, elevation, LASM, infeed drive, and bevel | | |
| Electric motors: | Saw blade | 5 hp, 4200 rpm | |
| | Waste conveyor and lumber exit chain drives | 1/2 hp | |
| | Powered Skewed Conveyor | 1 hp | |
| | Auto Deck | 1 hp | |
| Pneumatic requirements: | 110 psi @ 40-50 cfm | | |
| Temperature requirements: | 41° to 104°F ambient | | |
| Approx. weight: | Saw | 8,000 lb | |
| | Auto Deck, 6 strands | (12' long) 2,000 lb | (20' long) 4,000 lb |
| | Infeed Rail | (16') 1420 lb | (20') 1720 lb |
| | Powered Skewed Conveyor | (16') 2300 lb | (20') 2600 lb |

Performance Data

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| Modes: | Automatic (Manual Mode for maintenance) |
| Speed: | Infeed rail = up to 100 inches per second, depending on lumber size |
| Board capacity: | 2x3 through 2x12 boards <ul style="list-style-type: none">• Edge = 1-3/8" to 2"• Face = 2-1/2" to 11-1/4"• Max. Length = 16' <i>(see Options)</i> |
| Shortest length on Auto Deck: | 6' <i>(see Options)</i> |
| 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 |
| Waste conveyor belt: | Operates automatically |
| HMI: | Touch screen computer, <i>Windows</i> ® operating software |
| Printer: | 16 valves, front face <i>(see Options)</i> |

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Features

- Single-bladed saw that can be the primary cutting center in your plant or complement a component saw
- Various sensor and encoders used for accuracy
- Servo motors add to accuracy
- Automatically calibrates itself when needed
- All cutting done inside the saw chamber: reduces dust, improves safety
- *Board Stretcher™* software reduces waste by arranging parts in a highly efficient order
- All axes are powered and automatically adjust to cut

Electrical Data

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| Electrical specs: | 230 VAC, 60 Hz, 3-phase (other voltages require transformer) |
| FLA plus control amps: | 67 amps |
| Disconnect protection: | 80 amps |

Safety Data

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

Options

- 20' board length capacity on Infeed Rail and outfeed table
- Auto Deck configurations vary to accommodate different minimum and maximum board lengths
- Automatic lumber feed system can replace Auto Deck
- Powered 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™ Printer spec sheet