Alpine® Linear Saw 5.0

Optimize cutting and material handling workflow.

ALPINE
AN ITW COMPANY

The next generation of the Alpine® Linear Saw.

Building on reliability and accuracy, the latest version of the linear saw is engineered to meet the demands of today's component manufacturers. The Alpine® Linear Saw 5.0 (ALS 5.0) offers the potential for significant increases in production throughput with overall speed enhancements and optimized workflows. The cutting workflow puts the sawyer in control with an optional automatic double-stacking of identical components as well as a synchronized infeed/outfeed motion, maximizing lumber throughput while reducing waste.

Simplify plant operations with better insight into productivity to ensure the saw operates at optimal capacity. The ALS 5.0 enhances operations with an upgraded workstation and optional preventative maintenance tools that include predictive analytics and helpful reminders for the sawyer.

The material handling workflow features a new state-of-the-art small parts handler that delivers small components directly to the outfeed enhancing ergonomics and employee safety. The saw also includes two upgraded high-resolution printers for quick, legible output on board members, allowing for faster component identification with optional quick jig assembly and plate layout markings.

Results Driven

Maximize Throughput
The ALS 5.0 configuration is engineered to speed up production and output.

Operational Efficiency
Equipped with a small parts handler and high-resolution printing to achieve optimal truss assembly.

Reliable & Accurate
Cutting up to 1/16 of an inch, reducing re-cuts and maximizing productivity.

EQUIPMENT SPECIFICATIONS

Standard Footprint		42'-8" x 12'-10" (W x L)
Weight		9,900 lbs
Saw Blade	Diameter	Custom 20.5"
Blade Motor	Max RPM	2800 RPM
Infeed (L1-axis)	Accuracy	± 0.0625"
	Max Speed	900 ft/min
Outfeed (L2-axis)	Accuracy	± 0.0625"
	Max Speed	900 ft/min
Translation Cutting (L1-T1)	Max Speed	28 in/sec
Angle (A-axis)	Travel	0º to 300º
	Accuracy	± 0.1º
Bevel (B-axis) (optional)	Travel	5º to 70º
	Accuracy	± 0.1º
Transverse (T-axis)	Travel	-10" to +14"
	Accuracy	± 0.0625"
Vertical (Z-axis)	Travel	7.5"
	Max Speed	13 in/sec
Controller	PC	Industrial PC w/Enterprise LTSC
	Monitor	System 22" flat panel touchscreen
	Comm.	Ethernet
Operating Temperature		41° F to 104° F
Foundation Requirement		≥4" thick reinforced concrete
Voltage Draw		480VAC 3PH 70A, 60Hz/FLA 65 A @ 460VAC
Air Draw		45 CFM @ 100 PSI
Machine Capacity (lumber size range)	WIDTH: MIN: 2.38" MAX: 14" THICKNESS: MIN: 1.38" MAX: 1.77" LENGTH: MIN: 36" MAX: 24'	
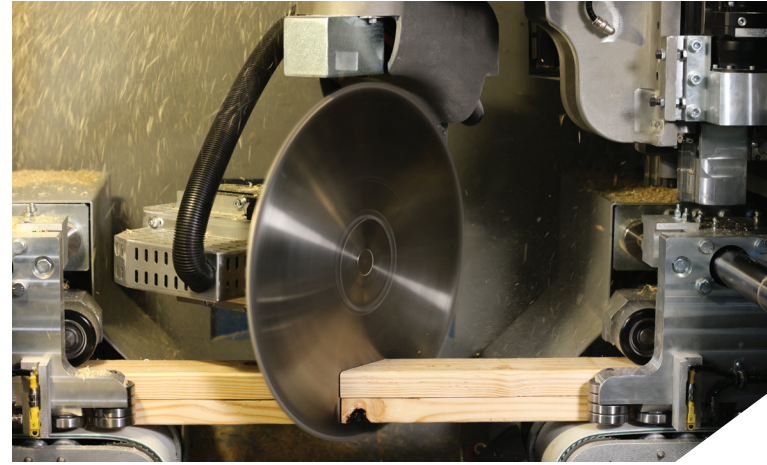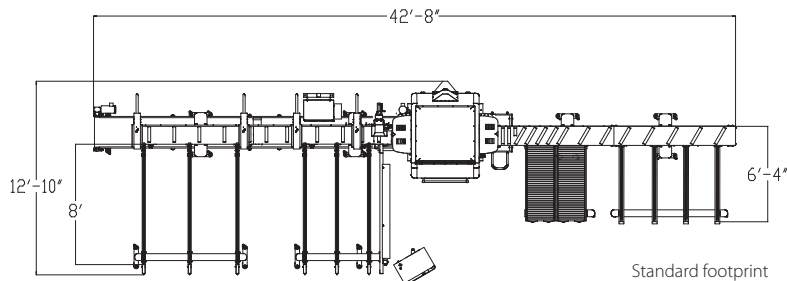
New double stacking capabilities to improve productivity.

FEATURES

– Small parts delivered directly to the outfeed conveyor
– Synchronized infeed/outfeed motion
– High resolution printing for face and edge of lumber
– Print label shifting
– Wall panel printing

– New software platform
– Board length scanner
– Front/rear facing outfeed
– 8' Infeed with automated live deck
– Intuitive, easy to use operator workstation

OPTIONS

– Intuitive double stacking with bow detection
– Plate layout and jig marking
– 16' infeed with automated live deck
– Beveling axis

– Wood retrieval system
– Right to left configuration
– Waste incline conveyor
– Maintenance Suite

COMPONENT TYPES

– Chords, web, scissor bottom chords, wedges, sliders
– Single and double beveled ends*

– Ripped valley bottom chords*
– Floor truss webs*

*When equipped with optional bevel axis

Standard footprint

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