

Alpine® Linear Saw 4.0

Clear-cut productivity, accuracy & reliability.



The intuitive operator workstation.

The Alpine® Linear Saw (ALS) 4.0 cuts through downtime and material waste to maximize output. Customized and designed for the truss component manufacturer, the ALS 4.0 requires only a single sawyer for full operation. Add an optional automated infeed system, beveling axis, and wall panel plate marking for superior performance.

- Operational modes offer the flexibility of automatic or semi-automatic to best suit the sawyer.
- Boards are marked before reaching the saw blade, ensuring that even the smallest parts are marked, while the reversing conveyor system separates waste for the sawyer.
- Optional automated infeed system continuously moves lumber into the saw, virtually eliminating downtime.
- The fully enclosed cutting center keeps the operator clear of dust and moving parts.

Results Driven

Maximize Throughput

The ALS 4.0 configuration is system engineered to help boost your plant operations.

Reliable

A proven reputation of performance and reliability through 20 years of product evolution.

Fast & Accurate

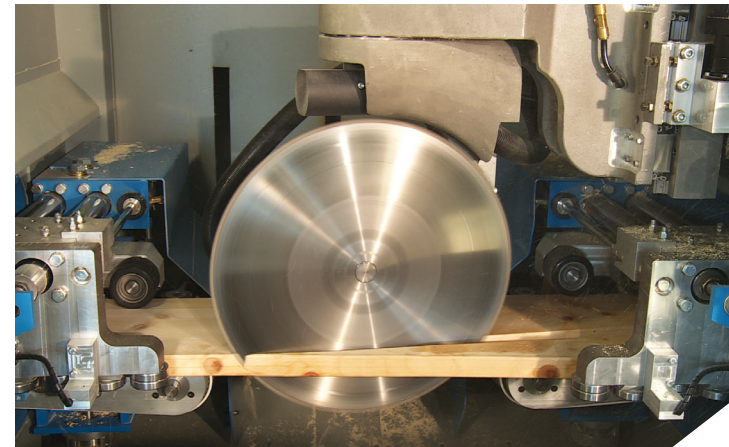
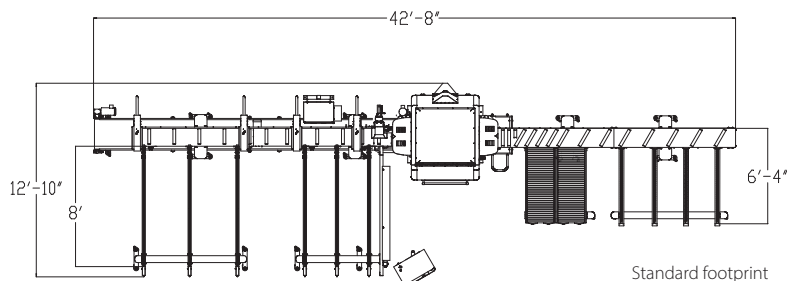
Cutting up to 1/16 of an inch, reducing re-cuts and maximizing productivity.

EQUIPMENT SPECIFICATIONS

Standard Footprint	42'-8" x 12'-10" (W x L)	
Saw Blade	Diameter	Custom 20.5"
Blade Motor	Max RPM	2800 RPM
Infeed (L1-axis)	Accuracy	± 0.0625"
	Max Speed	160 in / sec
Outfeed (L2-axis)	Accuracy	± 1/16"
	Max Speed	160 in / sec
Translation Cutting (L1-T1)	Max Speed	28 in / sec
Angle (A-axis)	Travel	-0° to +270°
	Accuracy	± 0.05°
Bevel (B-axis) (optional)	Travel	5° (bevel) to 70°
	Accuracy	± 0.05°
Transverse (T-axis)	Travel	-10" to +14"
	Accuracy	0° references the fence
Vertical (Z-axis)	Travel	7.5"
	Accuracy	13 in / sec
Controller	PC	Industrial PC w/Windows 10 Professional
	Monitor	System 22" flat panel
	Comm.	Ethernet
Operating Temperature	41° F to 104° F	
Humidity	10-95%, non-condensing	
Max Altitude	6500'	
Foundation Requirement	≥4" thick reinforced concrete	
Voltage Draw	120VAC 3PH 60Hz	
	480VAC 3PH 80A 60Hz	
Air Draw	25 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"



Superior, flexible cutting with one saw

FEATURES

- Configurable system improves material flow
- Inkjet printer
- MaxxiMizer software
- Manual roll case, infeed with automated live deck or Ranger Infeed System
- Intuitive, easy to use operator workstation

OPTIONS

- Beveling axis
- Automated infeed (8' or 16')
- Ranger Infeed System
- Rear-facing outfeed
- Right to left configuration
- Waste incline conveyor
- Touchscreen monitor
- Wall panel plate marking

COMPONENT TYPES

- Chords / webs / scissor bottom chords wedges / sliders
- Single and double beveled ends (when equipped with optional bevel axis)
- Ripped valley bottom chords (when equipped with optional bevel axis)
- Floor truss webs (when equipped with optional bevel axis)



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