

ALS 286 Alpine Linear Saw

Roof

Wall

Floor

Sawing

Timber Jointing

Production Tools



- Cuts all standard truss parts from any timber width up to 300mm: single cut webs, double cut webs, off centerline parts, extremely short pieces, regular bottom chords, scissor bottom chords
- Cuts mitres: from 90° (vertical) to 20° degrees and extremely long scarf cuts (1500mm +)
- Allows optimisation and nesting of cuts to minimise waste
- Ink jet marking of all components
- Recovery of “standard pieces” from waste without operator intervention
- Fully enclosed saw with interlocked access door for maximum operator safety

ALS 286 Alpine Linear Saw

By way of our association with our sister company Alpine, Pryda presents the latest in linear sawing technology the ALS 286. The ALS passes timber through lengthwise in a linear motion, like a table saw, rather than sideways like a component cutter. The heavy duty servo motors on the ALS are designed for high speed truss production with precision accuracy and all the cuts are made with a single blade. Set ups are made in less than a second and cuts are precise to 1mm.

The ALS would not be possible without servo technology. The extremely high forces coupled with the need for speed and high precision demand the tight control provided by servos. Not only that, they also detect faults in the electronic system and report them to the operator with pinpoint accuracy.

The saw's 6 servo axes of automation control angulation, mitring, in-feed, out-feed, cutting depth and cross feed. All axes are powered by large servo motors and high precision gear boxes.

The saw's operation can be either automated through our Pryda Production Management or semi-automated via manual input.

SPECIFICATIONS

		Dimensions	
Arbor motor		kW/hp	7.46/10
Saw blade		mm	558(22") 100 tooth carbide tipped
Maximum scarf length			Unlimited
Angular capacity			0 to 270°
Mitre cut capacity			Double mitre 90° (vertical) to 20°
Timber capacity	- depth	mm	35mm to 45mm
	- width	mm	70 to 350
	- length	mm	Unlimited (typically 6m)
Dimensions <i>(with infeed & outfeed system)</i>	- width	mm	14050
	- depth	mm	4580
Overall dimensions (approx)	- height	mm	Clearance 2800
Weight (approx)		kg	2500
Required footprint space			
<i>(assuming 6m timber & inclined waste conveyer)</i>		m	17 x 5.6
Direction of feed			left to right
Installation requirements			
Power	415V, 3 phase, 5-wire, 60Amps connected to power transformer		
Air	20 cfm @ 100psi		
Data	Network connection with internet access for remote diagnosis/updates		
Foundation	100mm (min) level, sound concrete floor		

RELATED EQUIPMENT

- Ink jet marking
- Outfeed queue station
- Incline waste conveyer
- Automated infeed system

Pryda Australia | A Division of ITW Australia Pty Ltd
 2 - 10 Nina Link, Dandenong South, Vic. 3175
 Phone: 1300 657 052
 www.pryda.com.au

Pryda New Zealand | A Division of ITW NZ Pty Ltd
 38 Canaveral Drive, Albany, Auckland
 Phone: 0800 882 244
 www.pryda.com.nz