

Pinnacle - SA
SYSTEM AUTOMATION



ROTARY BLOCK SAW



Machine Specifications

Block Width (mm) – 70 – 120
Block Thickness (mm) 70 – 90
Block Length (mm) – 50 - 200

Blade Ø – 604 mm

Speed – 2800 rpm

Saw Motor – 7.5 kW 4 Pole

Feed Drive – 0.55 kW

Belt Feed – 0.75 kW

Mass (kg) – 990 kg

Dimensions (mm)

L – 1800

W – 1400

H – 1100

Power Rating (Kw) – 9



Description

The Pinnacle Block Saw is a single bladed, carousel style saw, specifically intended at increasing output piece count for stringer and block pallet manufacturing

KEY FEATURES:

- Multiple block sizes
- Adjustable block lengths
- Up to 10 pieces of timber loaded at once
- 3800 blocks capacity per hour
- Timber lengths are ejected and can be collected manually or on a conveyor



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EDGER LIGHT



Machine Specifications

Board Width (mm) – 40 - 400

Board Height (mm) – 19 - 100

Blade Ø – 370 mm

Speed – 2800 rpm

Saw Motor – 11kw 2 Pole

Feed Drive – 1.5 kw gear motor
with a VSD, up to 50 m/min

Dimensions (mm)

L – 1200

W – 1100

H – 1500

Power Rating (Kw) – 15



Description

The Edger light is a small and robust machine and perfect for any recovery line

KEY FEATURES:

3 • The precision machined spacers allows for high and continuous accuracy

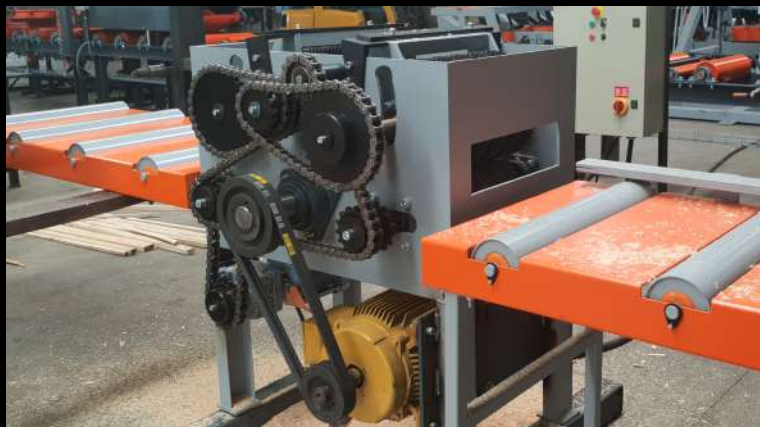
• Heavy duty steel frame

• Optional in and out feed systems

• Quick and easy maintenance

• Can rip up to 100 mm

• Anti-kick back figers allow safe and continuous production



HORIZONTAL FINGER JOINTER



Machine Specifications

Board Width (mm) – 50 - 152
Board Height (mm) – 20 - 50
Board Input (mm) – 250 – 1800
With Live Fence – 250 - 3000
Board Output (mm) – 2400 - 7200

Feed Table – 3 Kw – Crossfeed
– 2 x 0.75 Kw – Rollers

Profile Cutter
– 2 x 3 Kw - Hogger
– 2 x 15 Kw - Profiler
– 2 x 0.12 Kw - Brush
– 2 x 0.55 Kw – Hold Down

Live Fence (Optional) – 0.37 Kw
Buffer Hold Down – 0.55 Kw
Buffer Layup – 1.5 Kw – Crossfeed
– 2.5 Kw – Roller Table
Crowder – 2 x 3 Kw – Chain Fence
Press – 3 Kw – Cross Cut Saw
– Hydraulic Press

Main Dimensions (m)
L – 10.9 /W – 20.5 /H – 1.7
Power Rating (Kw) – 60
Air Consumption (l/hr) – 850 @ 6 bar

Description

The horizontal finger joint machine has three main sections:

- The infeed is magazine loaded onto a slat chain conveyor; material passes the first profile head and then is cross-fed piece by piece to the second profiling head
- The boards then pass the glue head and then cross fed onto the crowding table
- From there the now joined pieces are fed through to the press – cross cut to length and then hydraulically pressed to finish the process

KEY FEATURES:

- Continuous feed
- Horizontal fingers for aesthetics
- 15 Kw twin profile cutters for high piece count



MUTIRIP LIGHT



Machine Specifications

Board Width (mm) – 40 - 400

Board Height (mm) – 50 - 160

Blade Ø – 270 mm

Speed – 2800 rpm

Saw Motor:

1 x 30 kW 2 Pole

1 x 22 kW 2 Pole

Feed Drive – 2.2 kw gear motor
with a VSD, up to 50 m/min

Dimensions (mm)

L – 1200

W – 1100

H – 1500

Power Rating (Kw) – 55



Description

The Multirip Light is capable of sawing a cant into multiple boards while maintaining accuracy and precision of the boards produced

KEY FEATURES:

- Excellent finish to the product produced
- The sturdy build and high quality finish of the components allow for a continuous operation while maintaining accuracy
- Pneumatic hold downs
- Heavy duty steel frame
- Optional in and out feed systems
- Quick and easy maintenance



PALLET STRINGER MACHINE



Machine Specifications

Block Width (mm) – 40 – 160

Block Thickness (mm) – 20 - 100

Block Length (mm) – 50 - 6600

Infeed – 3 kW – Crossfeed

Saw – 3 kW

Motor – 1 kW – Servo Pusher

Outfeed Belt – 2.2 kW

Crossfeed – 3 kW

Dimensions (mm)

L – 10500

W – 4000

H – 1750

Power Rating (kW) – 13 kW

Stringers per Hour – 500

Description

The Pinnacle Pallet Stringer Machine is a merge between our Pusher Cross Cut and a Nailing Station

KEY FEATURES:

- Easy set up for various stringer sizes
- One touch switch between 3 and 4 block pallets
- Double or single stringers
- Up to 500 stringers can be assembled with in an hour
- One operator and an assistant
- Continuous Production
- Customizable sizes



PINNACLE LOG SCANNER & SORTER



Machine Specifications

- Log Diameter (mm) – 80 - 750
- Log Length (mm) – 900 and up
- Bins – 8 and up
- Log count up to 12 logs per minute
- Step feeder for singulation
- Power rating application specific



Description

The new E-Tally log scanner and sorter from Pinnacle allow for accurate scanning of a sawmill or lumber yards log intake or throughput

KEY FEATURES:

- Record log length, thickness, processed time and date
- Live view and or store the log data for historical viewing
- Data automatically backed up to internal storage during a power outage
- Remote viewing capability of production figures
- Generate reports of log data, & ability to stream to an SQL server
- Log Singulation
- Rotate log for orientation & sort logs into multiple bins



PINNACLE STACKER



Machine Specifications

Board Width (mm) – 40 – 160

Board Thickness (mm) – 15 - 80

Board Length (mm) – up to 6600

Feed Works – 5.5 kW – Crossfeed

Rollers Table – 2.2 kW Geared Motor

Saw – 3 kW – Motor x 2

Destacker – 7.5 kW Geared Motor

Stacker – 7.5 kW Geared Motor

Forks – 2.2 kW Geared Motor

Dimensions (mm)

L – 15000

W – 4800

H – 3550

Power Rating (kW) – 34 kW



Description

The Pinnacle stacking line is aimed at improving the efficiency of the stacking and drying of timber

KEY FEATURES:

- uniformity of the stack and stickers
- maximization of kiln capacity and air flow
- Line can be customized for various lengths, widths, and thicknesses of timbers
- Even Ending rollers
- Trim Saws for various lengths
- Customizable stack heights



PUSHER CROSSCUT



Machine Specifications

Board Width (mm) – 40 - 240
Board Height (mm) – 19 - 80

Blade Ø – 450 mm

Speed – 2272 rpm

Saw Motor – 3kw 4 Pole

Feed Drive – 1.5 kw servo motor
with an accuracy of 0.5 mm

Saw Actuation – 1.5 kw servo
motor

Dimensions (mm)

L – 7200

W – 800

H – 1200

Power Rating (Kw) – 8

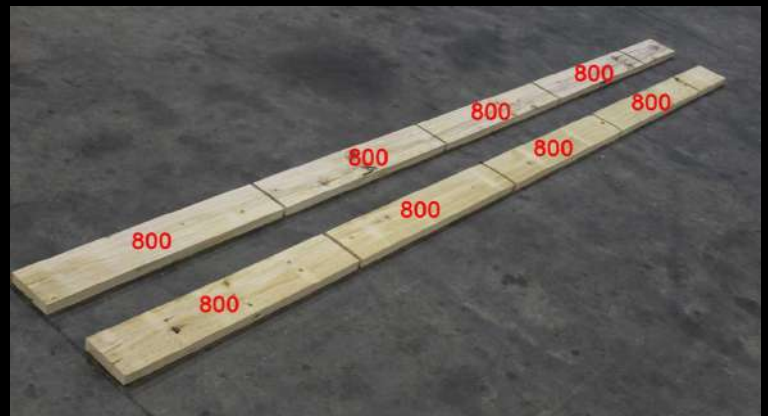


Description

The Pusher Crosscut saw is a high-speed and accurate saw aimed at increasing your production throughput

KEY FEATURES:
Crosscut saw include:

- Measurement of incoming timber lengths
- Front and back end trimming
- Single or multiple board sawing
- Fixed length sawing
- Optimization of fixed lengths
- Optional Auto Load Deck for feeding



TILT HOIST DE-STACKER



Machine Specifications

Bundle Width (mm) – 1200 - 2400

Bundle Length (mm) – 2400 - 7800

Bundle Height (mm) – 1200 - 3000

Bundle Mass (kg) – 2100 - 22000

Mass (kg) – 1200 - 12000



Description

The tilt hoist enables the user to automate the feed process of a stack of timber, into a line for further processing

A simple yet effective solution to integrate continuous feed of timber into a system

Pinnacle does a full range of stackers and de-stackers for all stack sizes

KEY FEATURES:

- Bespoke stack specification
- Heavy duty robust build
- Automatic sticker removal
- Incline or transverse infeed system
- PLC operating system
- The modular design means larger or smaller stacks can be easily accommodated



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TRIM SAW



Machine Specifications

Board Width (mm) – 40 - 240
Board Height (mm) – 20 - 80

Blade Ø – 500 mm
Speed – 2800 rpm

Saw Motor – 4 kW 4 Pole

Feed Drive – 2.2 kw VSD

Mass (kg) – 2005

Dimensions (mm)
L – 4100
W – 2750
H – 1230

Power Rating (Kw) – 15



Description

The Trim Saw is an excellent cross cut when a lot of same length pieces are needed out of longer lengths

KEY FEATURES:

- Robust design allows for continuous accuracy and efficiency
- Quick change of cut length with the rack and pinion system
- Multiple blade heads can be fitted
- Rapid re-positioning of blade heads
- Modular design allows for customer specific machines

