End Eject Automated Roller Plant

Big Performance. Smaller Footprint. Fully Automated.

Want to automate truss production without expanding your factory?

The End Eject Roller Plant is used in the assembly of timber roof trusses. Precut timber components are placed into the jigging along with nailplates. The Preset Roller travels down the length of the truss, rolling the nailplates into the precut timber components, creating a truss. This truss is then ejected sideways and sent through the Finishing Roller, which embeds the nailplates fully.

"The End Eject Roller Plant has been a big upgrade for our factory. The workflow is smoother, faster and far more consistent than our previous setup. It solved our space limitations and lifted productivity straight away. We're seeing better output, less manual handling and more uniform trusses.

I'd highly recommend it to anyone wanting to improve truss production - all within their existing factory space."

M. Selim Alkan, Hi-Tech Trusses

Why fabricators love it:

- **Compact end eject layout** - unlock automation without needing additional floor space.
- **Automated jigging with motorised bobbins** - no manual setup, faster changeovers and operators become productive immediately.
- **Seamless truss flow** - the Preset Roller presses nailplates, then trusses are automatically fed into the Finishing Roller for final nailplate engagement.
- **Pneumatically operated, powered ejector rollers** - delivers the truss to the Finishing Roller while minimising the need for manual handling by the operator.
- **Fully configurable** - tailor the system to your plant with custom tables, roller quantities, automated or manual jigging and adjustable outfeed lengths.

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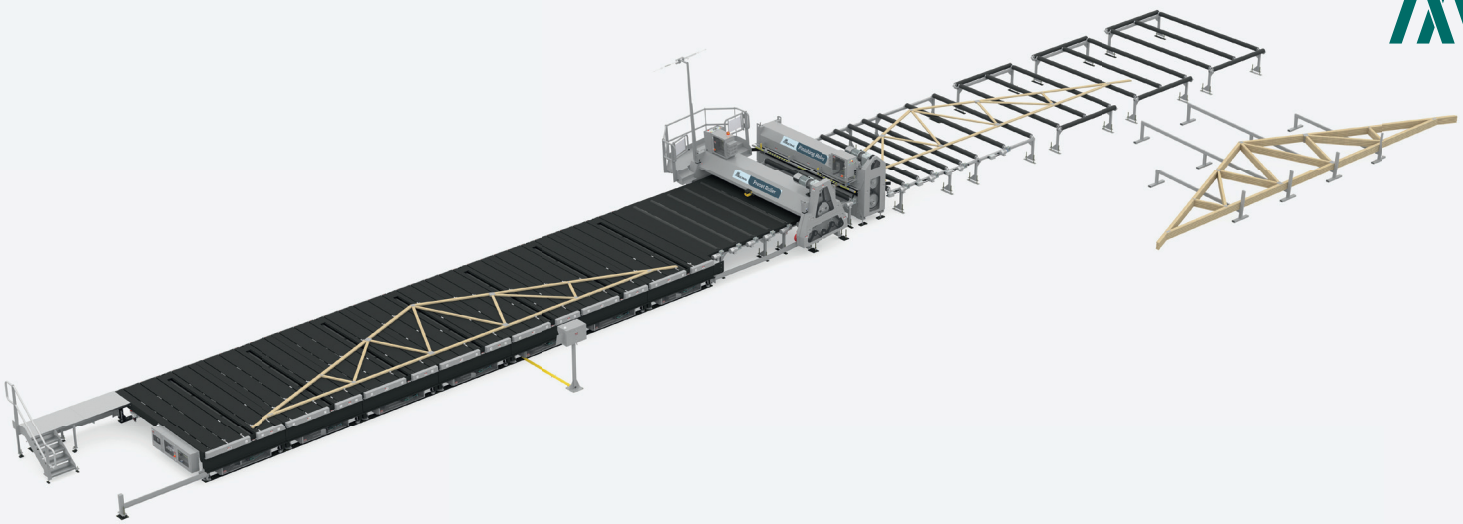
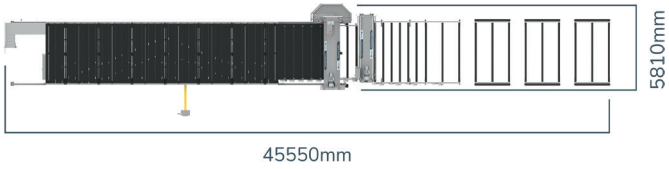


Roller Plant - End Eject

SPECIFICATIONS

Overall length, width, height	45550 x 5810 x 4450mm
Max truss height	4000mm
Max truss length	20250mm
Min/Max timber height	35 – 90mm
Working height	802mm
Machine mass	47000kg
Jigging slot spacing (1 bobbin per slot)	450mm
Electrical requirement	
Tables	415V 63A 3Ph + Neutral & Earth
Preset Roller (single)	415V 25A 3Ph + Neutral & Earth
Finishing Roller	415V 32A 3Ph + Neutral & Earth (24 driven rollers)
Air requirement	80L/min avg. 125L/min Peak @ 6.9 Bar

* Specifications shown reflect a typical configuration. Machine design, layout and features may vary depending on final configuration and customer requirements. Details will be confirmed at the time of order.



OVERVIEW

The Roller Plant - End Eject is used in the assembly of timber roof trusses. Precut timber components are placed into the jigging along with nailplates, the Preset Roller travels down the length of the truss, rolling the nailplates into the precut timber components creating a truss. The truss is then end-ejected via the powered ejector rollers and through to the Finishing Roller, fully embedding nailplates.

The Roller Plant system streamlines the assembly of timber roof trusses - combining technology, precision and efficiency to produce high quality trusses.

FEATURES

- Bolt on truss jigging included:
  - Jigging bobbins (2 per table)
  - Adjustable heel jigs (2 per operator station)
  - Apex jig (1 per operator station)
  - Vertical upright jig (1 per operator station)
  - Magnetic stops (4 per operator station)
- Safety scanners
- Transfer rollers
- Ejection system
- Preset Roller and Finishing Roller
- Heavy duty construction

OPTIONS

- Automated or manual jigging
- Laser projection
- Configurable length by adding or reducing tables
- 1 Preset Roller
- 1 operator interface for automated jigging
- Configurable outfeed length
- Roof Truss Horizontal Stacker

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