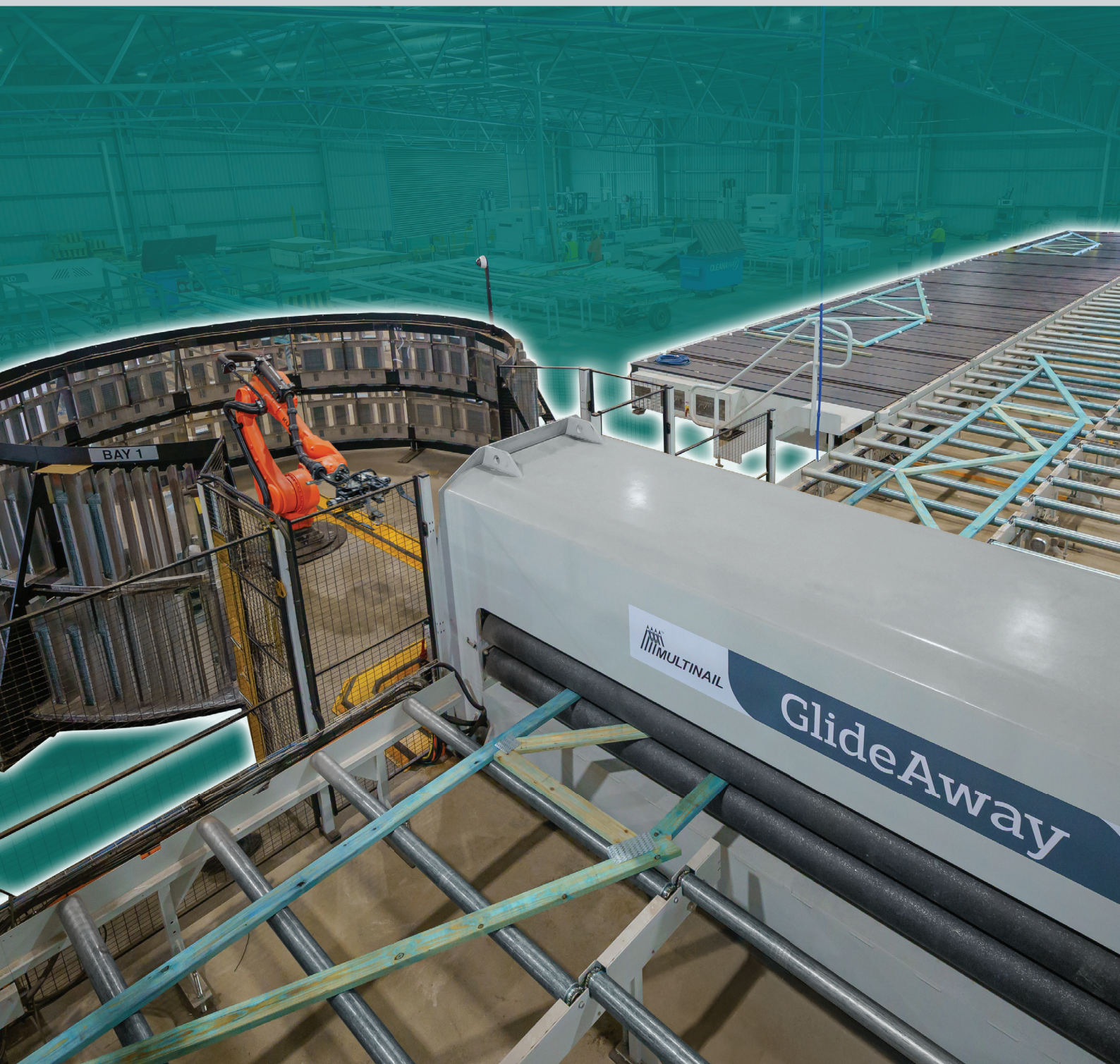


GlideAway

Automated Truss Production System



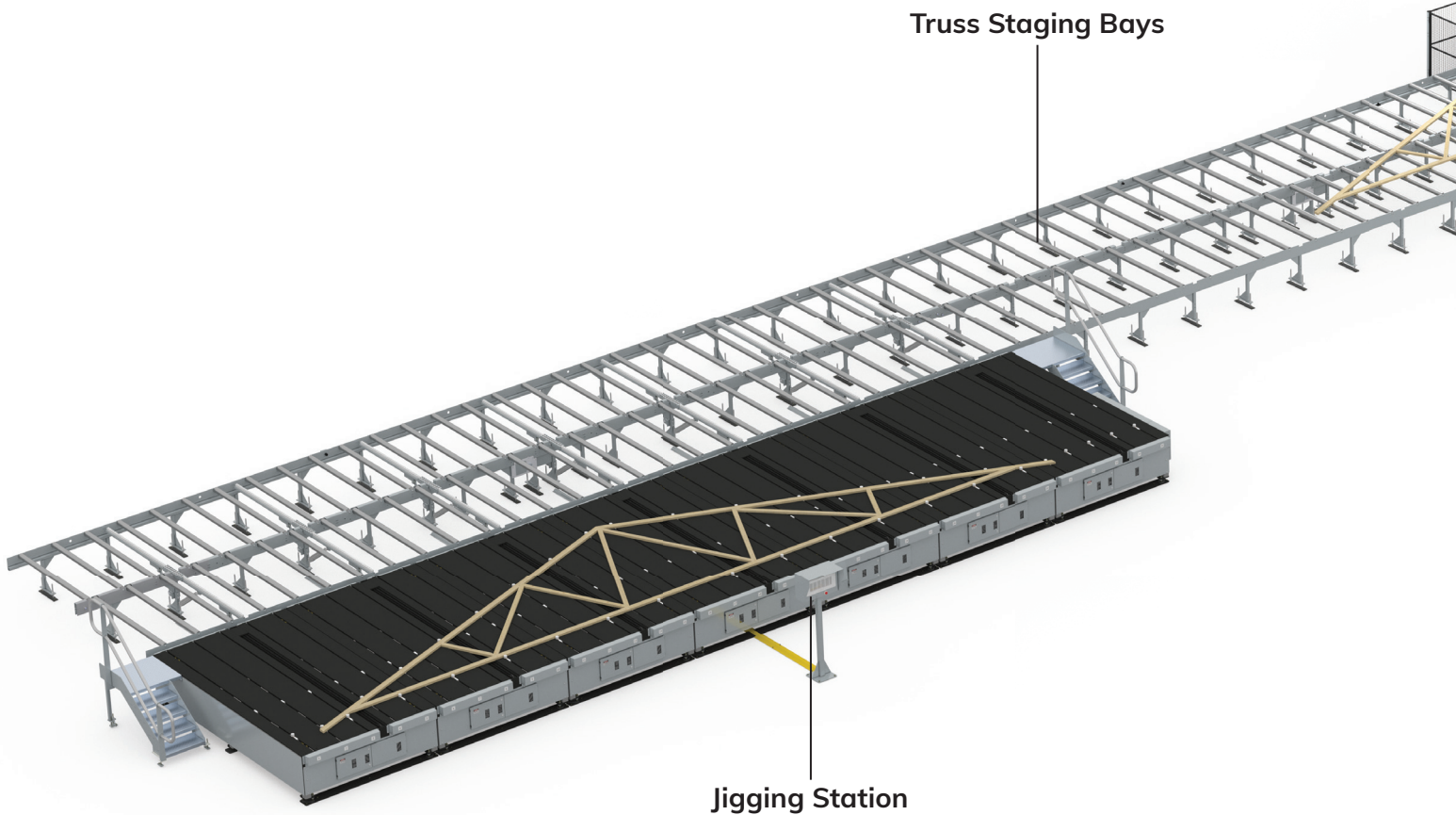
The Future of Truss Production

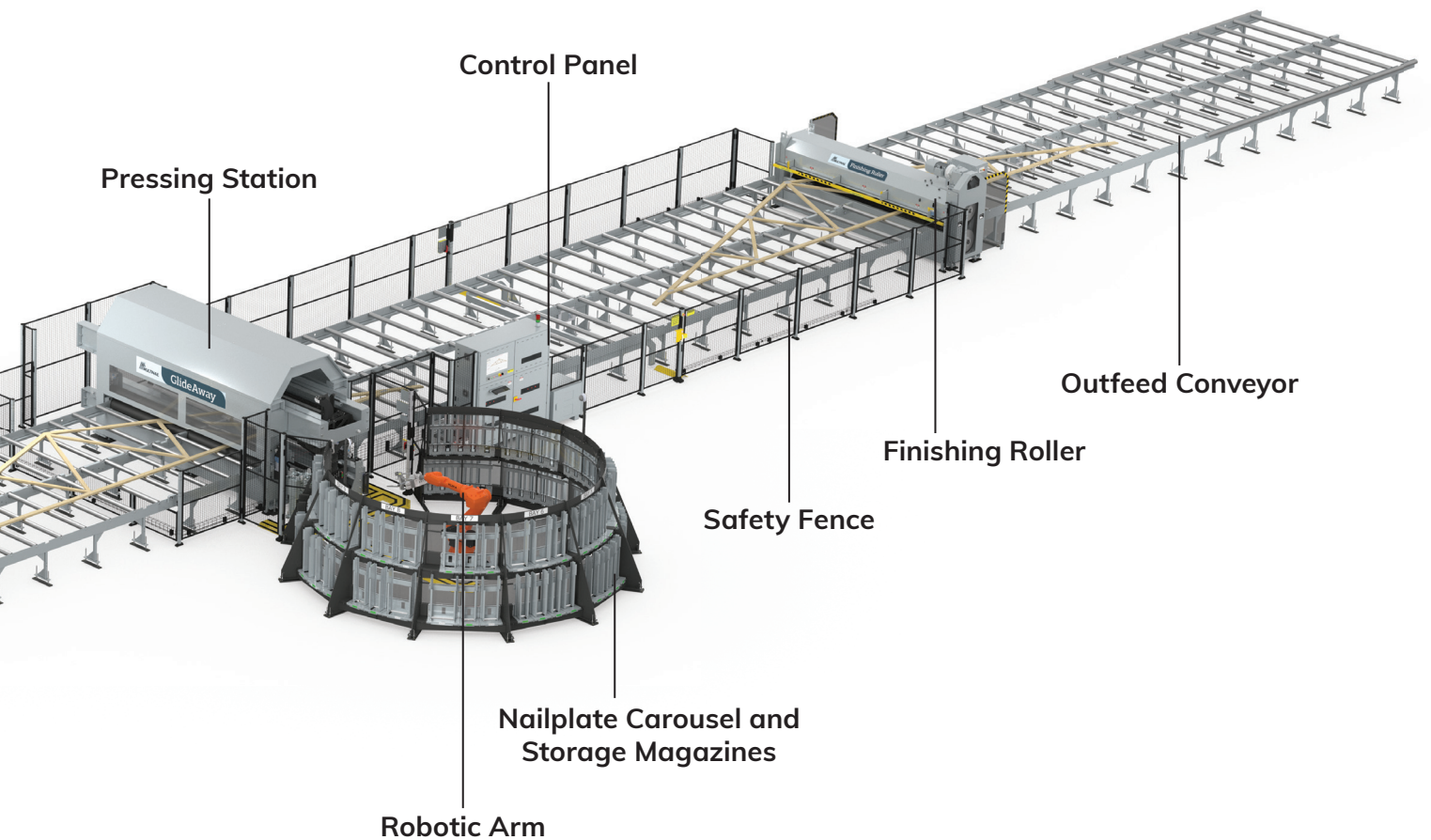
The GlideAway is a fully automated nailplate positioning and pressing machine designed for the production of prefabricated trusses. Its intelligent design eliminates the manual process of nailplate placement and pressing during truss assembly, freeing up operator time and delivering significant efficiency gains.

How It Works

Trusses are first jugged and stapled on the jugging station, then ejected and transferred via conveyor rollers to the GlideAway press head.

The robot selects the correct nailplate for the joint of the truss and places it in position (correct location and orientation) on the press head. The head presses nailplates in place and continues the same process for all joints of the truss. Once completed, the truss is transported to the Finishing Roller for final engagement of the nailplates.





Key Benefits:

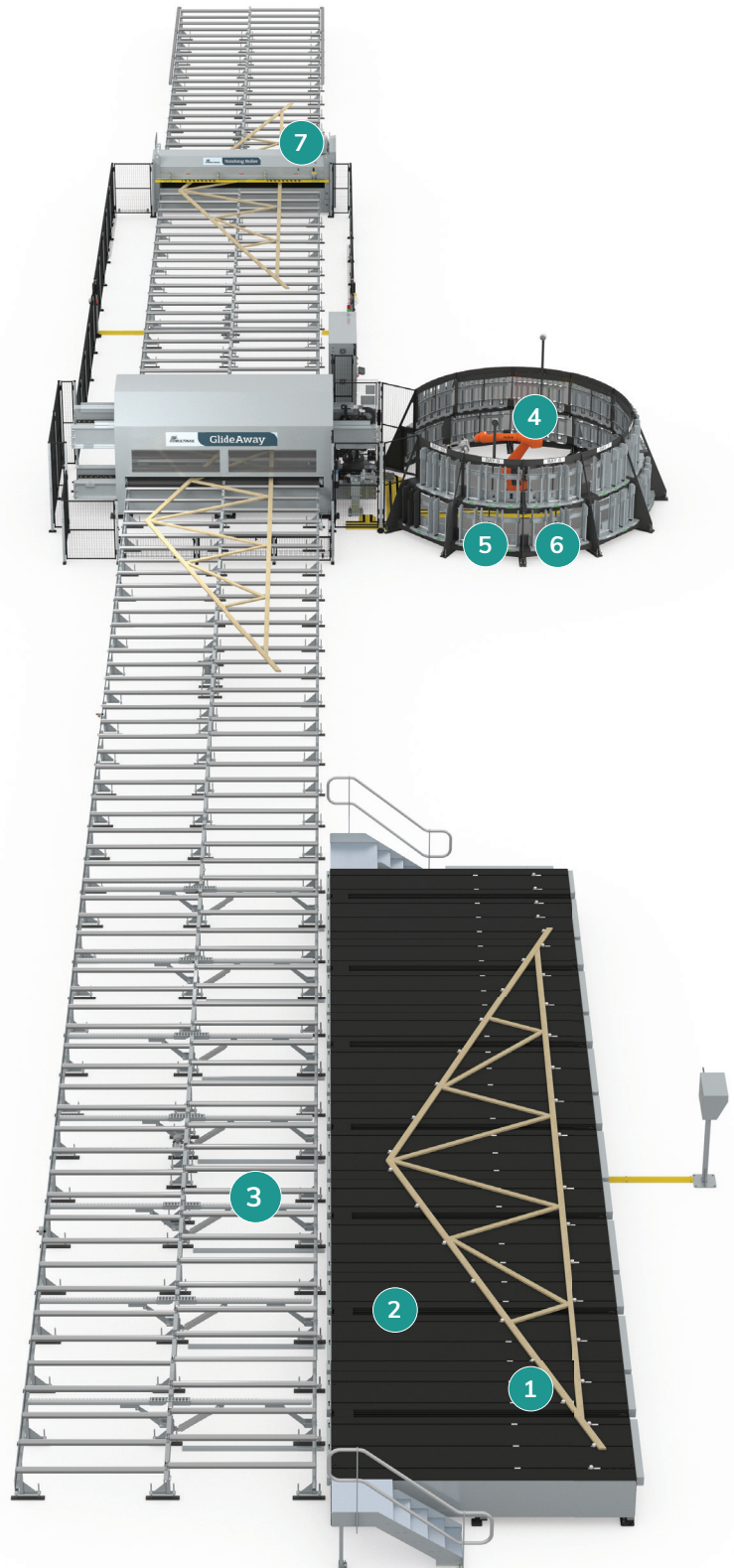
- Automated jigging system
- Fully automated nailplate positioning and pressing
- Increased efficiency and productivity
- Reliable and consistent nailplate placement
- Reduced OH&S risks for staff
- Handles a wide range of truss types and plate sizes
- Designed for continuous, uninterrupted production
- Seamless integration with truss stacking equipment
- Scalable and configurable to suit many factory layouts

Features & Options

The GlideAway allows for customisation including the number of tables and truss staging bays. These specifications are for a GlideAway with 7 tables and no truss staging bays.

Features

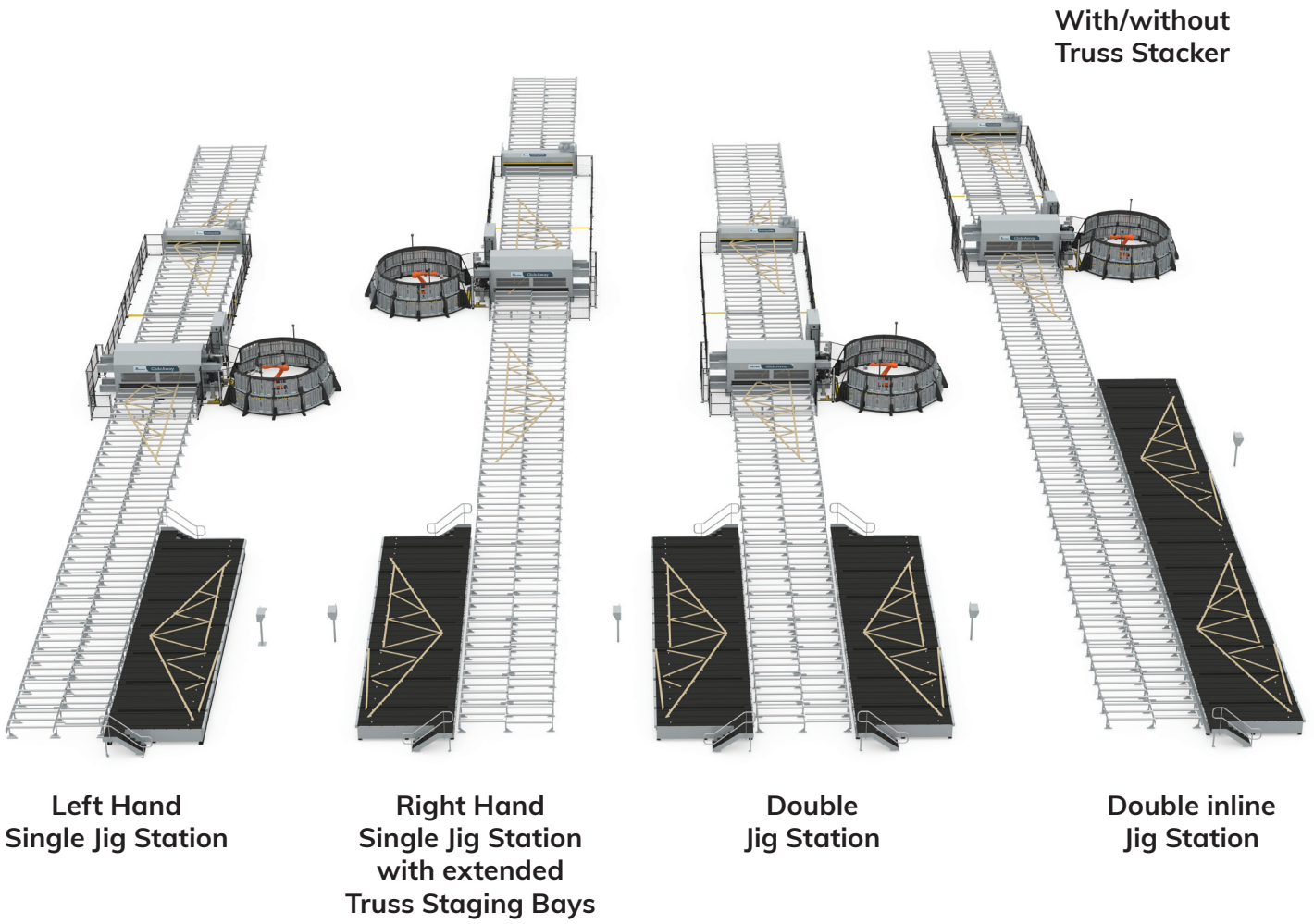
- 1 Automated jiggging system capable of handling most common truss configurations
- 2 Horizontal powered ejection system
- 3 Transfer rollers
- 4 Integrated robotic automation
- 5 Handles a wide range of standard industry nailplates
- 6 Optimised chute layout designed to accommodate up to one week's supply of nailplates
- 7 Finishing Roller



Options

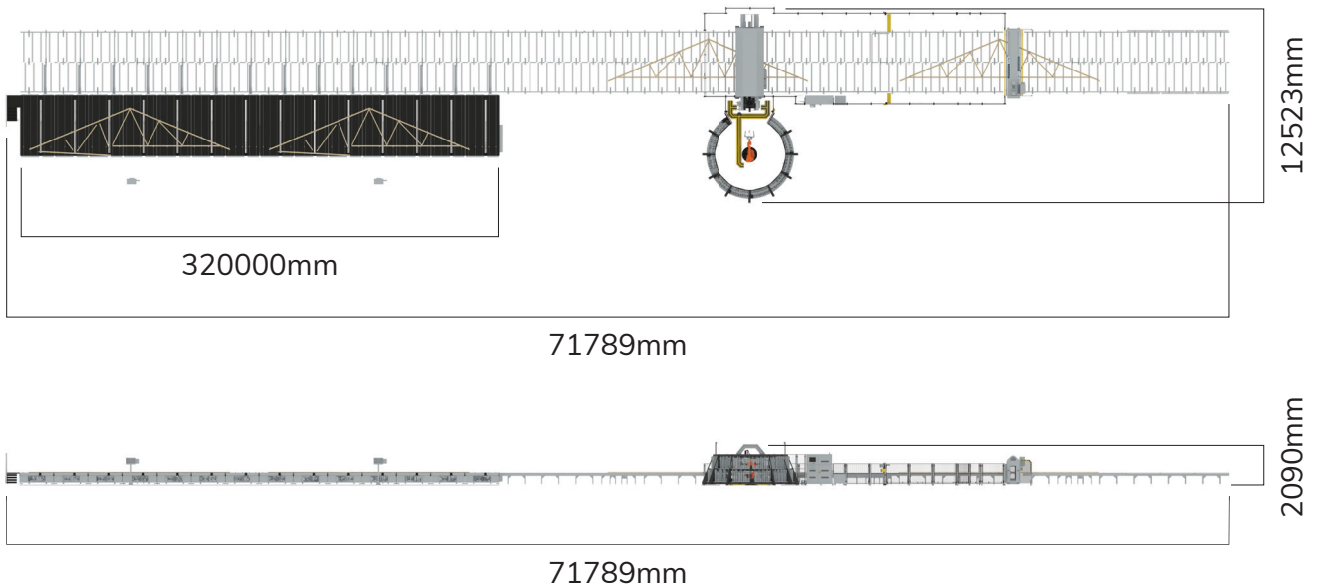
- Jig station configurations
 - Single left or right jig stations
 - Double jig stations
 - Double inline jig stations
 - Extended truss staging bays and outfeed can be added to all configurations
- Laser projection
- Automated or manual jiggging
- Robot positioning left or right side of the machine
- Configurable length by adding tables or truss staging bays
- One or multiple jiggging stations for automated jiggging
- Configurable outfeed length
- Roof Truss Horizontal Stacker

Layout Configurations



* The available options and configurations are not limited to these examples, layout configurations can be customised to suit your factory layout and production requirements.

Footprint



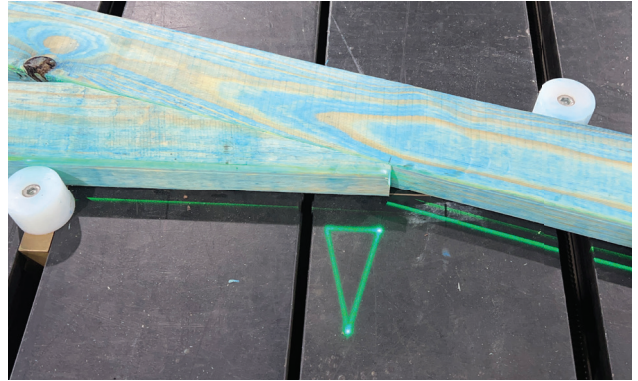
Automated Bobbins

Operators place the timber onto the jiggging station, which positions it precisely using automated bobbins.



Laser Projection

Optional overhead lasers can be added to increase production speed and accuracy.



Nailplate Carousel

A modular carousel holding up to 4,690 pairs of nailplates. Operators can refill chutes without stopping production, supported by remote-view cameras.



Robotic Arm

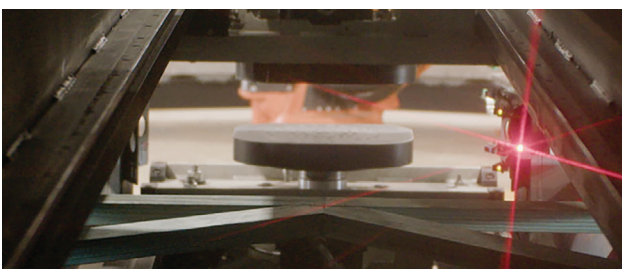
The robotic plate feeder selects and orients the nailplates ready for pressing.



Pressing Station

The press heads move to each joint and automatically applies the nailplates.

The integrated scanner checks joint accuracy and performs real-time quality assurance.



Finishing Roller

The completed truss travels through the finishing roller for final engagement of nailplates.



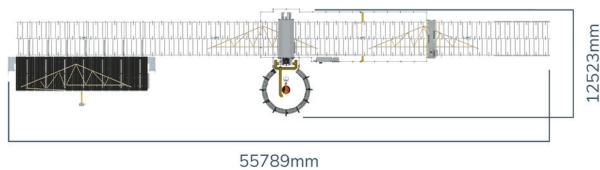


Specifications

The GlideAway allows for customisation including the number of tables and truss staging bays. These specifications are for a GlideAway with 7 tables and no truss staging bays.

Overall length, width, height	55789 x 12523 x 2090mm
Max truss height	4000mm
Max truss length	16000mm
Timber thickness	35 or 45mm
Min/max nailplate widest 175 x 400mm or tallest 200 x 200mm	38 x 100mm
Working height	802mm
Machine mass	60000kg
Electrical requirement Carousel & head & bay rollers	415V 100A 3Ph + Neutral & Earth
Tables	415V 63A 3Ph + Neutral & Earth

* Specifications & design are subject to change, please confirm details when placing your order.



See more

Overview

The GlideAway is a fully automated nailplate positioning and pressing machine used in the production of prefabricated trusses. Trusses are jigged and stapled on the tables, ejected and then moved to the conveyor rollers ready to process through the press head. The robot selects the correct nailplate for the joint of the truss and places it in position (correct location and orientation) on the press head. The head presses nailplates in place and continues the same process for all joints of the truss. Once completed, the truss is transported to the Finishing Roller for final engagement of the nailplates.

The GlideAway's intelligent design removes the manual process of nailplate placement in truss assembly, freeing up operators' time and automating this for efficiency gains.

Features

- Jigging system
- Horizontal powered ejection system
- Transfer rollers
- Integrated robotic automation
- Handles a wide range of standard industry nailplates
- Optimised chute layout designed to accommodate up to one week's supply of nailplates
- Capable of handling most common truss configurations
- Finishing Roller

Options

- Jig station configurations
 - Single left or right jig stations
 - Double jig stations
 - Double inline jig stations
 - Extended truss staging bays and outfeed can be added to all configurations
- Laser projection
- Automated or manual jigging
- Robot positioning - left or right side of the machine
- Configurable length by adding tables or truss staging bays
- One or multiple operator stations for automated jigging
- Configurable outfeed length
- Roof Truss Horizontal Stacker

Scan the QR codes to explore more

One Touch System
in Action



CQ
Case Study



Robot
GoPro Action



The 7-year evolution
of the GlideAway



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