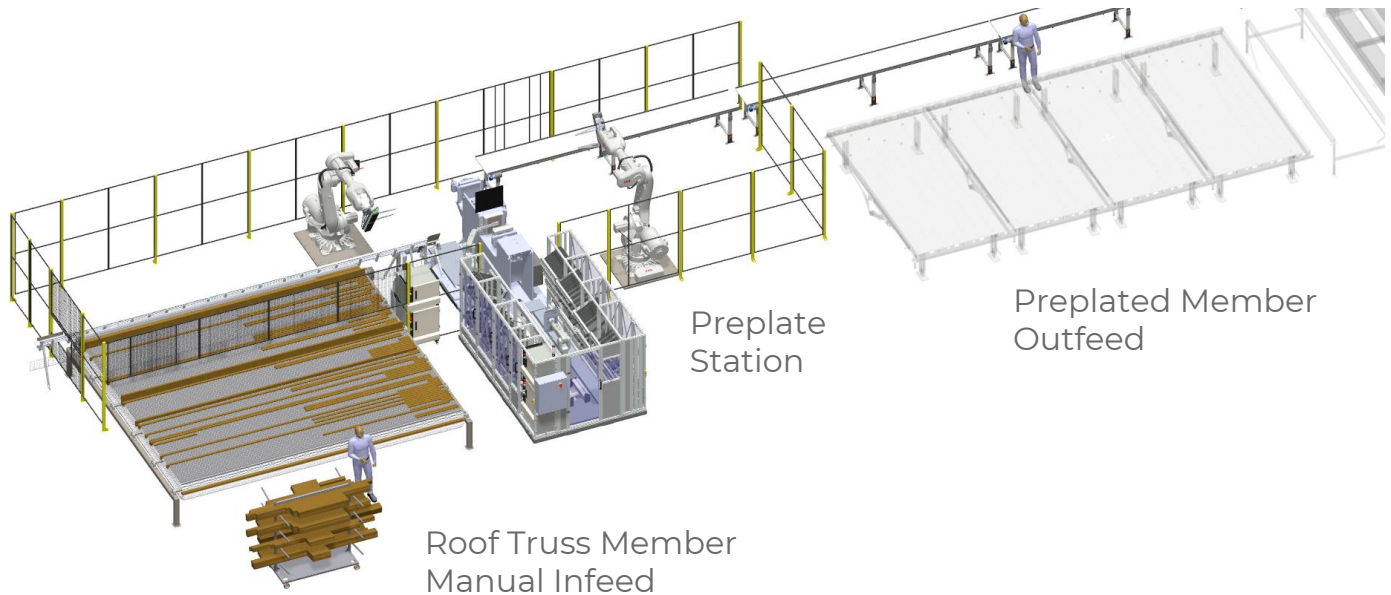


Robotic

ROOF MEMBER PREPLATE

An efficient robotic **SOLUTION** for increased demand for **jack & small specialty trusses**



REDUCE LABOR

Minimal operator needs for material handling. Increased safety with reduced interaction with connector plates.



BOOST PRODUCTION

Increased speeds and efficiencies. Reduced pick errors with computerized plate sequencing.



FLEXIBILITY

System designed to pick connector plates from most manufacturers. Programmable for a variety of truss designs & sizes.

House of Design's Roof Member Preplate takes pre-cut roof truss members and preplates them in the correct sequence to be assembled on the table.

The preplate station utilizes robotics to pick a variety of connector plates and deliver them to the press. Two robots then position the member in the press for accurate connector plate placement.

Safer interactions, placement accuracy and reduced labor costs are some of the benefits of robotic integration. The Roof Member Preplate is a solution supporting **House of Design's full Automated Roof Truss System**.

Information on software and complete rate data sets are available upon request.

Robotic

ROOF MEMBER PREPLATE

Realized robotics available today for increased truss component manufacturing

TECHNICAL SPECIFICATIONS

Components

Manual Infeed
Automated Preplate
Manual Outfeed

Dimensions

Station footprint: 89' X 29'
Accepts wood members: 2x4, 2x6, 2x8 & 2x10
Minimum length: 6"
Maximum length of 2x4, 2x6, & 2x8: 20'
Maximum length of 2x10: 10'

Software

House of Design TEd Software

Safety

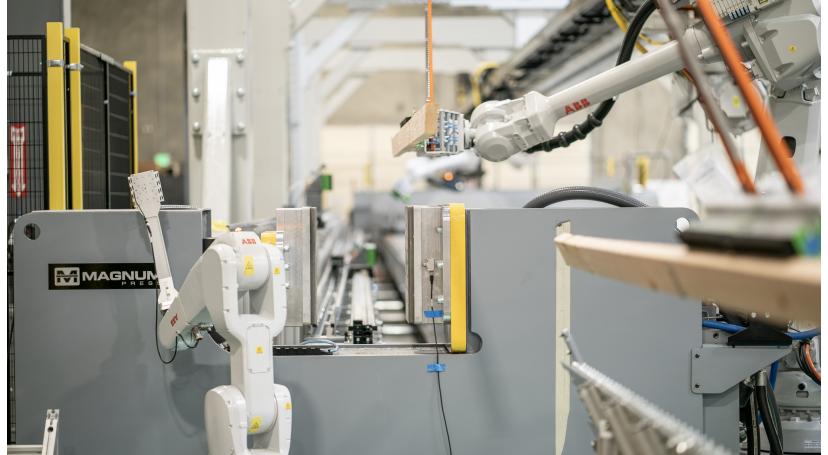
Meets ANSI Robot Safety Standard,
ANSI/RIA R15.06-2012

Requirements

Personnel - 1-2 operators required
Electricity - 480 VAC 3 Phase 50/60Hz
UL listed electrical cabinets
Air - 110 PSI clean, dry air

Environment

Indoor operation
Relative humidity at or below 85%
Ambient temperature 32° – 104°F (0° - 40°C)



The **Roof Member Preplate** rate is dependent on the number of connector plates in the truss design. The metric used to determine rate is board feet per connector plate. Rate data available upon request.

NOTE: House of Design's FULL Roof Truss System uses 2 infeeds, 2 preplate systems and 2 assembly robots on assembly tables for 2,500+ Bf/Hr.



Call & order your ROBOTIC ROOF MEMBER PREPLATE today.

800.521.9790

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ALPINE, an ITW Company, the exclusive representative for
House of Design's Automated Roof & Floor Truss Systems



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