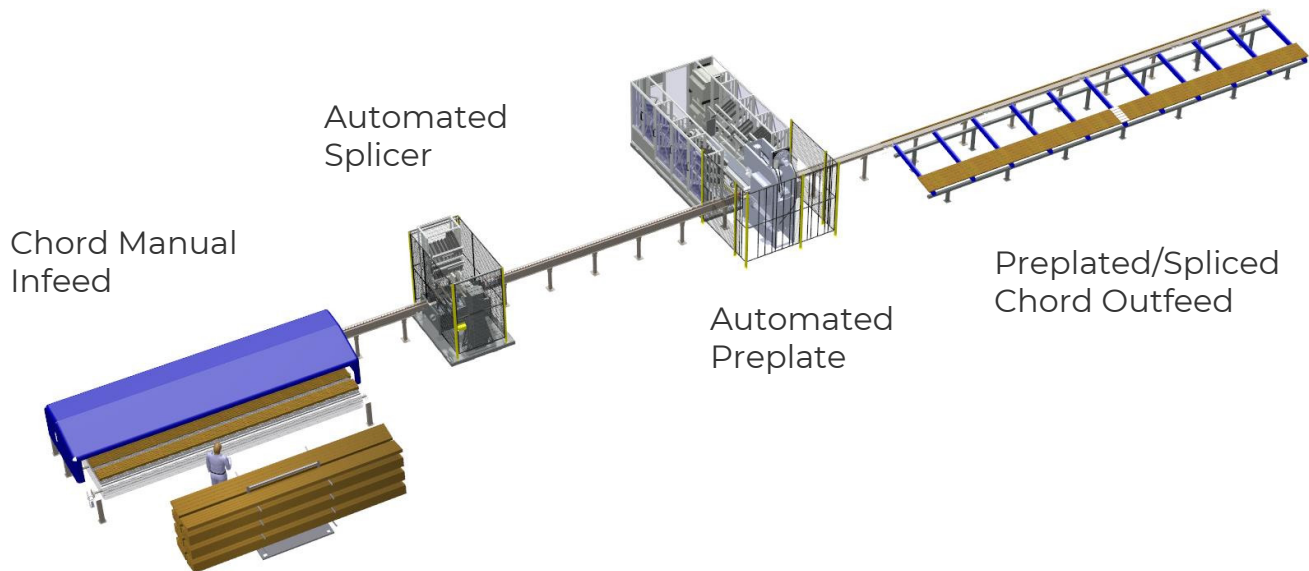


# Robotic CHORD PREPLATE

Realized robotics available today for increased truss component manufacturing



## **REDUCE LABOR**

Minimal operator needs for material handling. Safer practices. Decreases in down times.



## **BOOST PRODUCTION**

Increased accuracy of placements. Optimized material use for an increase to your bottom line.



## **FLEXIBILITY**

System designed to pick connector plates from most manufacturers. Configurable to 65+ sizes - including all common sizes.

## **House of Design's Robotic Chord Preplate**

is two systems in one: an automated splicer that splices multiple members into a single chord, and a preplate station that presses connector plates into the correct locations on chords.

In combined mode, both systems work together to produce a completed spliced and preplated chord. The infeed is manually loaded in sequential order per truss design. The outfeed has chords that are spliced/preplated together and they are manually unloaded.

The robotic splicer and preplate station may be purchased independent of the system. Both are solutions supporting **House of Design's full Automated Floor Truss System.**

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

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## TECHNICAL SPECIFICATIONS

### Components

Manual Infeed, Automated Splicer  
Automated Preplate Station, Manual Outfeed

### Dimensions

Station footprint: 115' X 32', 105" tall  
Minimum length is 45" to automatically splice  
Maximum length of member to splice is 2x4x20',  
multiple members can be spliced.  
Minimum connector plate size: 1" X 3"  
Maximum connector plate size: 10" X 20"

### Software

House of Design TEd Software

### Safety

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

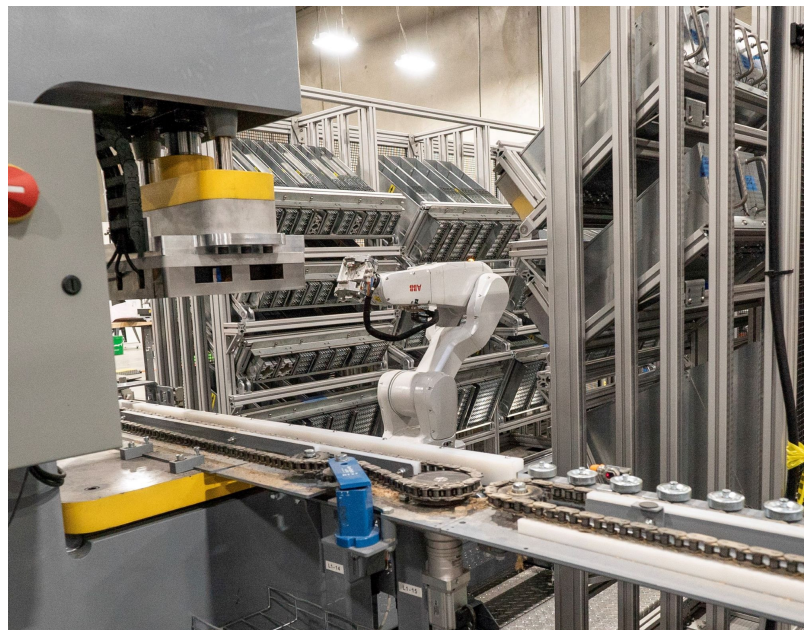
### Requirements

Personnel - 1 operator is 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)

**House of Design's Robotic Chord Preplate** has a rate dependent on the number of connector plates in the truss design. Call us today for rates per board foot and a consultation on how robotics integration can transform your business and ease your labor issues.



**Call & order your ROBOTIC  
CHORD 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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