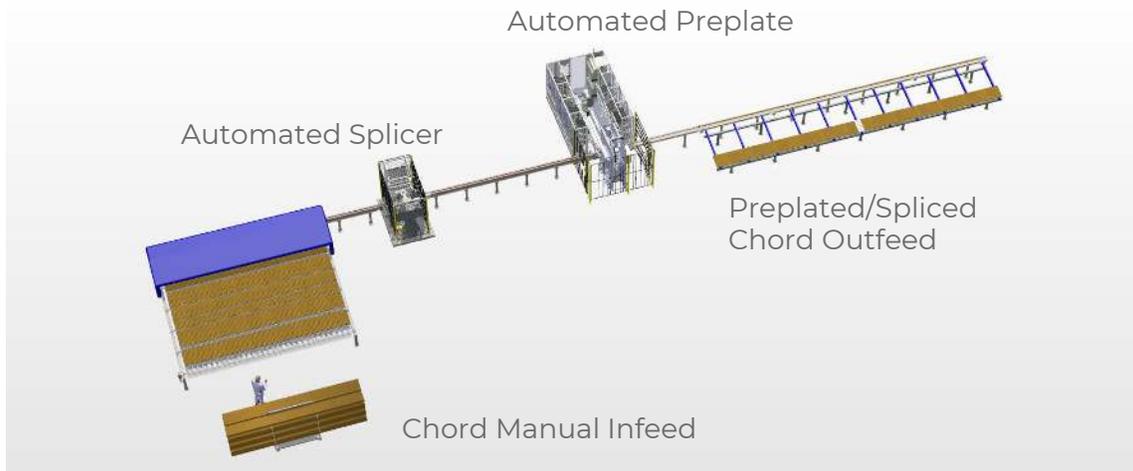


Automated Chord Preplate System

Available for any and ALL nail plate brands

PRODUCT OVERVIEW

The Automated Chord Preplate System is actually two systems in one: an automated splicer that splices multiple members into a single chord, and a preplate system that presses nail plates into the correct locations on the chord. In its combined mode, both the splicer and the preplate system work together to produce a completed spliced and preplated chord. The infeed is manually loaded in a sequential order of members that need to be spliced/preplated. The outfeed has chords that are spliced/preplated together and they are manually unloaded.



KEY FEATURES

System designed to pick **nail plates from any manufacturer.**

Currently configurable for over 65 different nail plate sizes.

- Max length of a chord is 2x4x20
- Shortest member is 2' to automatically splice.

Rate - The Automated Chord Preplate System's rate is dependent on number of nail plates in the truss design. The metric that is used to determine rate is Board Feet per Nail Plate. The table shows the rate for the chords.

Data Collection - System collects cycle time data.

Safety - Will meet all applicable safety standards.

For robotics, meeting ANSI Robot Safety Standard, ANSI/RIA R15.06 – 2012

Required Personnel - **How many expected operators on this system?**

Bd Ft\Np	Avg. Bd Ft\Hr
2.5	0
3	0
3.5	0
4	0
4.5	0

SYSTEM COMPONENTS

Manual Infeed Station - The manual infeed station allows an operator to load multiple chords on the infeed table in the order they were sequenced in the HoD TEd software (identified and called out on display over the infeed). These members are automatically loaded into the system. The manual infeed station allows for multiple chords and chord sizes to be loaded.

Automated Splicer (CAN BE PURCHASED INDEPENDENT OF SYSTEM) - The automated splicer positions the chords that were automatically fed via the manual infeed. An industrial robot picks nail plates from a magazine rack that holds different sized nail plates. The robot then places the nail plates on both sides of the chord. The splicer automatically actuates and the spliced chord passes out of the automated splicer.

Automated Preplate (CAN BE PURCHASED INDEPENDENT OF SYSTEM) - The preplate station picks a variety of nail plates with a robot and delivers them to the preplate press. Once the nail plate is correctly positioned in the press and the member is indexed to the correct location, the press will actuate and embed the nail plate into the member. This process repeats for all members.

Manual Outfeed Station - The manual outfeed station allows an operator to unload multiple chords from the outfeed table.



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DIMENSIONS

System footprint: 107' x 25'

Height? Required clearance? Power? Environment restrictions?

SOFTWARE

HoD TEd

ADD ON OPTIONS OR RELATED SYSTEMS

Parent System - Automated Floor Truss Assembly System

Ancillary Systems - Automated Nail Plate Picker, Automated Bunk Culling, Automated Floor Jack System, Floor Production Line, Automated Splicer, Preplate Station

WARRANTY

1 year manufacturer warranty for ABB robot, initiated at time of invoice from ABB Inc., to House of Design LLC

1 year warranty for all other components designed and manufactured by House of Design LLC

Equipment supplied by House of Design but manufactured by others is warranted only to the extent of the manufacturer's warranty, and only the remedies, if any, provided by the manufacturer will be allowed.

Limitations apply

QUOTE REQUEST

Email sales@thehouseofdesign.com or call 208.495.0555 to request a quote for the Automated Chord Preplate System.

Learn more about House of Design LLC at thehouseofdesign.com



The Automated Chord Preplate System is a patented/patent pending product designed, created and owned by House of Design LLC. Patent infringement is the commission of a prohibited act with respect to a patented invention without permission from the patent holder. Perceived infringement will be pursued aggressively.



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