

## **ALYX – CLAMP CARRIER AUTOMATIC LOADING** **A FULLY AUTOMATED PANEL COMPOSING / CLAMP CARRIER LOADING** **AND UNLOADING SYSTEM**

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**ALYX** offers you the production capacity of a large HOT/RF Press System, while retaining the flexibility of a cold Clamping System



### **ALYX Advantages**

- A drastic reduction of Labor (66 to 75%)
- One person operation lends itself to multiple shifts
- Consistent production of 2 or more complex panels every 80 seconds
- Absenteeism and operator fatigue are taken out of the equation
- Reduced glue consumption 20 to 30%
- Less glue squeeze = easier and less costly downstream processing
- A drastic reduction in clamp maintenance due to excess glue spillage
- Less than 2-year payback

### **How it works**

- Panel composing, and clamp carrier loading occur simultaneously ensuring utmost throughput and productivity
- All operations are menu driven through the HMI
- System can be connected to user's ERP software to manage the production parameters
- Suitable for face and edge gluing
- Modular configuration can be tailored to fit your specific needs
- Summary description of the process on reverse

## Panel Composing

- Manual or automated pick and place infeed
- Stave singulation, width and length measurement
- System accepts random with staves
- Automatic glue application (extruder)
- Menu driven determination of dry joints for every individual panel
- “No” glue detection system available (requires a fluorescent die adhesive)
- Panel forming with moving holder to secure even-end



## Clamp Carrier Loading and Unloading

- The panel composer is hard at work the **RLT100** Twin Robotic Operator loosens the cured panel's clamp section
- And adjusts the clamp opening as needed for the next set of panels
- Two-Axis Automatic Loading Device picks the cured panels out of the clamps and places those on the exit rollers
- The moving holders bring the composed panels into position
- The Two-Axis Automatic Loading Device picks the composed panels and places those on the clamp section, ready for the tightening routine by the **RLT100**.

