



### BENEFITS

- » Clear, sharp logo images
- » Precise product identification
- » Better paint management
- » Two functions in one system
- » Potential for increased through-put

### APPLICATIONS

- » Plywood
- » Oriented strand board (OSB)
- » Lumber
- » Medium-density fiberboard (MDF)
- » Stack width of 36" to 54"
- » Stack height of up to 42"
- » Any stack length

PRE-TEC's Stencil/Striper System is designed to apply a logo and end-stripping identification to stacks of lumber or plywood. The self-cleaning Stencil module efficiently applies water-based paint to the side of your product and is designed to handle up to three colors. The End Stripe module applies up to five stripes on the leading and trailing ends of the product stacks.

### STENCIL MODULE

The Stencil module features precisely controlled spray guns activated by programmable set points resulting in improved transfer efficiency and reduced overspray. Paint is applied only where needed. The manual spray gun adjustment mechanism allows an operator to quickly and easily alter the system to accommodate different stack widths. The change can be made in less than 2 minutes.

Between each stack, the stencil plate automatically initiates a self-cleaning cycle to ensure a clear, sharp logo application every

time. The stencil wash water is recycled and used until the buildup of solids in the cleaning water requires changing.

### STENCIL PLATE ARTWORK AND INSERTS

We recommend that the stencil plate artwork and inserts be produced by PRE-TEC to ensure the quality of the stenciled image and compatibility with the system. Stencil plate artwork and insert prices are dependent upon the size and complexity of the design. Contact an engineer or sales representative for details.

### END STRIPE MODULE

The End Stripe module applies up to five stripes on the leading and trailing ends of the wood stacks. Stripes are approximately one inch wide with approximately two inches between stripes (three inches from center to center). The stripes are bold with sharp edges. The system can accommodate up to three different colors.

### SPECIFICATIONS

**System Height** (varies by installation): 8' 8"

**System Length:** 14' 4"

**System Width** (add 2' from conveyor CL): 2' 10"

**Power Requirements** (one drop):

USA: 480VAC, 3PH, 20 amps

Canada: 575VAC, 3PH, 15 amps

**Grounding Requirements:**

Ground rod(s) 100 Ohms or less

**Floor Requirements:**

Substantially sound and level concrete

**Foundation Requirements:** None

**Process Air** (dry, clean):

Approx. 30 scfm @ 70 psi, duty cycle 20%

**Anchoring Requirements:**

Epoxy Anchors: (8) 1/2" x 6" long

Expansion Anchors (16) 3/8" x 3" long

PRE-TEC is the largest custom robotic solution provider on the West Coast. Whether you are considering automation to increase efficiency, ensure manufacturing safety, or improve quality, PRE-TEC has the expertise to make your next project a success.



### COMPONENT OUTLINE

- » Air Filters
- » Air Regulators
- » Automatic Spray Guns
- » Enclosures
- » Ethernet I/P Communication
- » Fluid Filters and Regulators
- » Fluid Accumulators
- » Human Machine Interface (HMI)
- » Paint Supply Pumps
- » Pressure Switches
- » Programmable Logic Controller (PLC)
- » Proximity Switches
- » Self-Cleaning Automatic Stencil Positioning System
- » Servo Controlled Motion
- » Stainless Steel Containment
- » Stencil Plate Cleaning/Drying Chamber
- » Structural Steel Frames
- » Water Wash Pump

*NOTE: Conveyor by others (suggested length of approximately 14', minimum pass height of 24")*

### OPTIONS

- » Stencil plate and inserts (strongly recommended)
- » Conveyor built to customer specifications
- » Stencil and End Stripe modules can be purchased as separate systems

### SEQUENCE OF OPERATION

1. The stack advances on the customer-controlled conveyor to a pre-determined position and stops.
2. The stencil plate moves forward, aligns itself and makes contact with the side of the stack.
3. The striper determines the position and height of the stack.
4. The striper applies stripes to the front end of the stack.
5. The stencil spray gun carrier is activated, and the guns spray the stencil image onto the stack.
6. The striper head travels to the opposite end of the stack, and the head rotates 180°.
7. The striper applies stripes to the back end of the stack.
8. The stencil moves back to its HOME position. The cleaning chamber passes around the stencil, cleaning and drying it.
9. The stack is released and proceeds to the next process.



Call 800.205.9826 for an engineering review of your project.  
Or visit [pre-tec.com](http://pre-tec.com) to see demonstration videos, project history and more.

## STENCIL / STRIPER SYSTEM LAYOUT

