



**TS Manufacturing**

# **STICK SYSTEMS ACCU-PLACER**



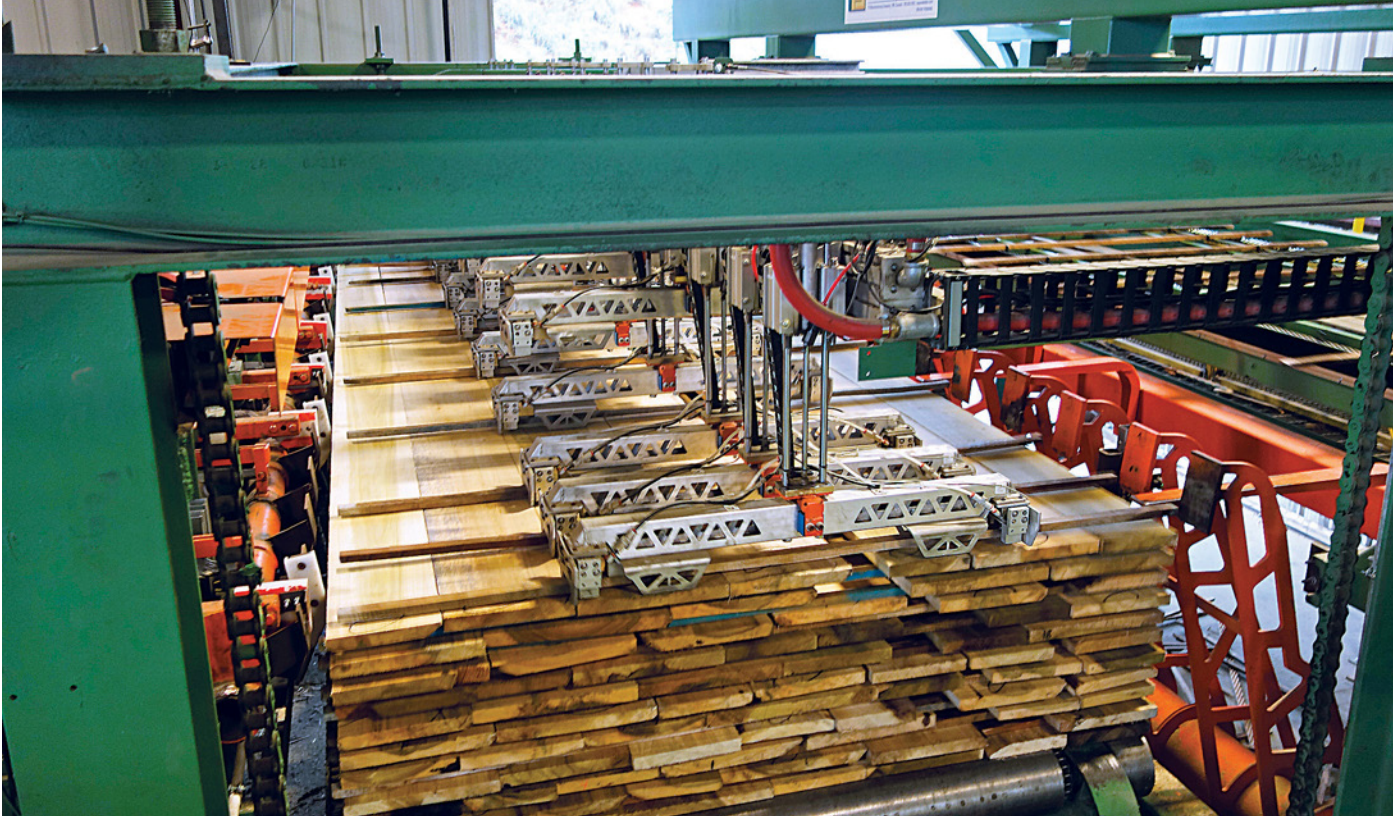
# ACCU-PLACER



TS Manufacturing

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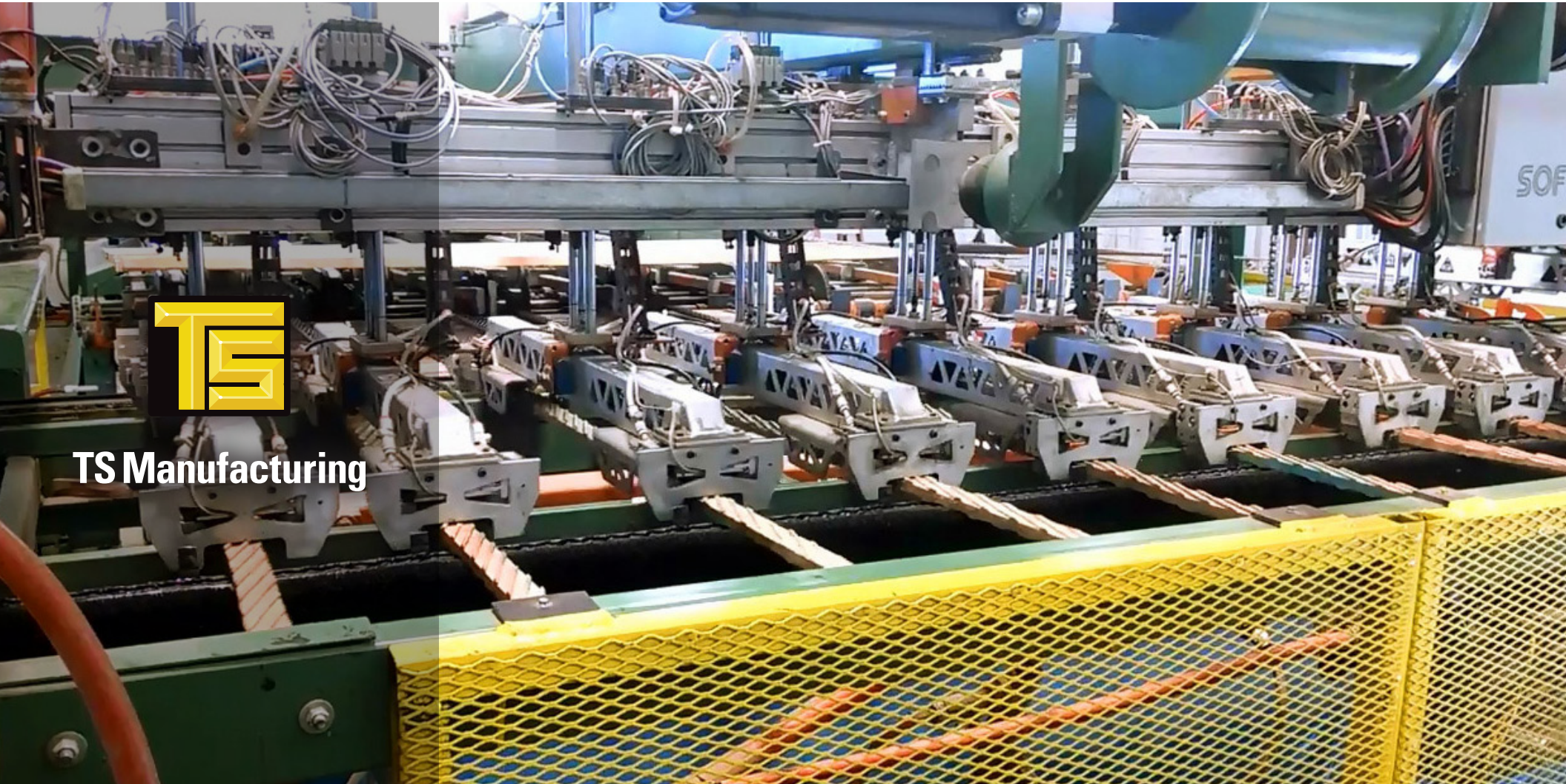
## MACHINERY CONTROLS & SOFTWARE TO FIT YOUR MILL

### Standard Accu-Placer System

- The most accurate stick placing possible, even with crooked, via its patent pending 'accu-placing' method
- Ensures consistent drying results with reduced lumber deformation
- Patent pending 'Total Stick' Verification System ensures accurate stick laying
- Sticks are verified until their final placement, ensuring that there are no sticks on edge or missing in any layer
- Missing or rotated sticks are detected, rejected and replaced automatically without operator interruption
- Sticks can be placed on center from as little as 8" spacing, with custom over length patterns, ensuring they are placed precisely, and according to your requirements
- Patterns can vary to suit your lumber specifications
- Retrofittable to nearly any stacker
- Capable of placing over 12 layers/minute



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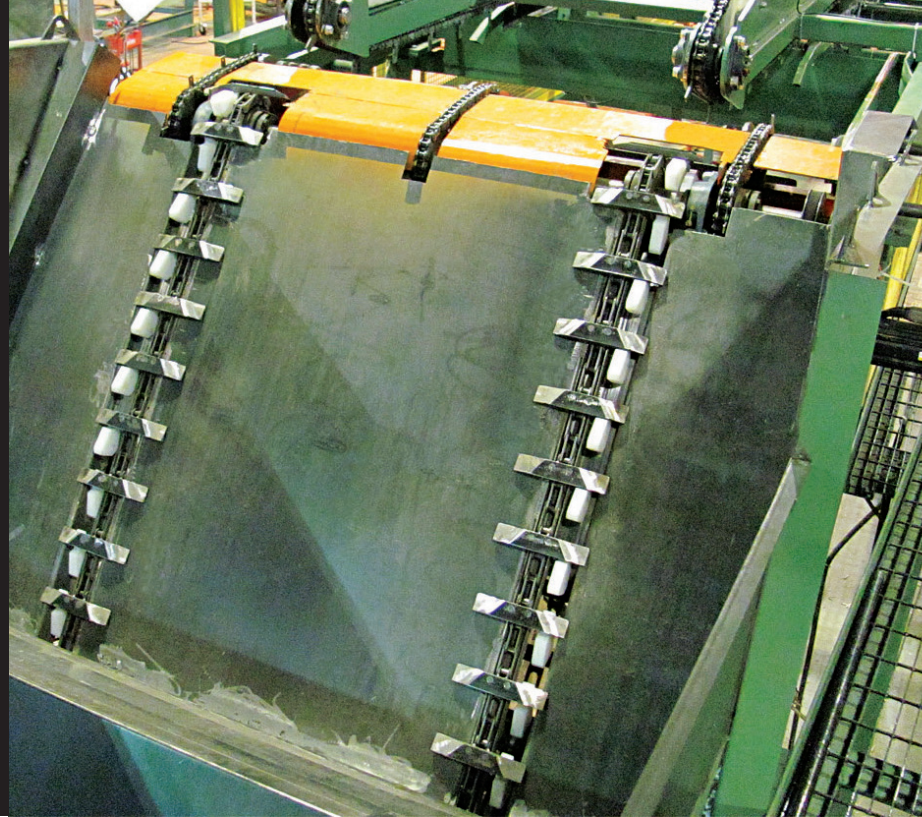
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## Designing the Standard Infeed

- 2 strand, deep pile stick chains, with containment walls, allow loading from carts or bundles
- High efficiency Stick Unscrambler
- High-Speed Lug Loader



**RUGGED  
DEPENDABLE  
INNOVATIVE**

## High Precision Accu-Placer

- Patent pending Double Gripper System for perfect centering of sticks every time
- Two strand presentation chains precisely center sticks under Accu-Placer grippers
- Overhead, belt driven carriage with electric servo drive, produces high speed performance (12+ layers/minute)
- Precision grippers detect missing or misoriented sticks & auto-center the stick for optimum distribution
- Combination stick/tier bumper ensures even package edge, reducing broken sticks by leaving a clean edge on the bundle

## TS Accu-Placer

The TS Accu-Placer was designed with modularity in mind. Systems are customizable for placement rates of 150+ sticks per minute. Combined with 12+ layers per minute of placing capacity, the TS Accu-Placer becomes one of the fastest, most accurate stick placers on the market today.



## Stick Scanning System

The Stick Scanning and Rejection System ensures that all sticks meet the specific length, width, thickness, curvature and bow requirements you specify.

Only acceptable sticks are placed upon the pack. This allows you to specify the quality of stick you wish to place and make adjustments based on the lumber value you're sticking. Run slower but get more sticks per minute.



## TS Multi-Chain System

This revolutionary concept allows the lug system to run continuously gaining up to 30% lug filling time. TS multi-chains allow automatic pattern filling and production improvements while handling empty lug and misfilled lug patterns automatically, without operator interruption.

## Singulating Unscrambler & Step Feeder

This system can be combined with our patent pending TS multi-chains, to create a revolutionary lug loader free system.

## 90° Transfer Option

This option allows stick handling to occur behind the stacker operator, allowing better access to the stick chains while keeping their focus on course makeup efficiency (and not lug loader efficiency). This results in more layers per minute and more efficient kiln usage.

## Multiple Stick Types

The Accu-Placer can be fed with multiple stick types, eliminating the 'clean out' between change-ups.

This patent pending feature allows operators to use low cost sticks on low value products, and higher cost sticks on high value products.

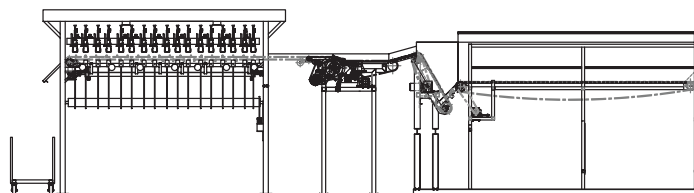
**Automatic handling of two or more stick types allows you to immediately upgrade to automatic stick placement, with the stick savings often exceeding the cost of the stick placer itself.** These savings continue with reduced operating costs on lower value packages, compared with sticking all packages with more expensive sticks.

- Dual stick type feed system with dedicated, type specific, deep pile chains, and unscramblers
- Push button stick type transition occurs in the time required to discharge a package

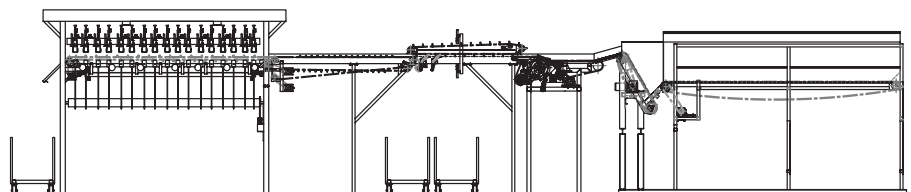




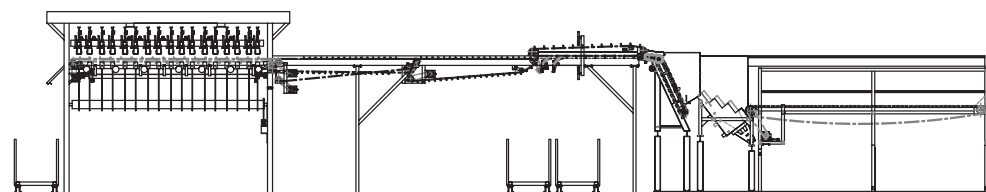
<b>SERIES 1:</b>	<b>AUTOMATIC STICK PLACING WITH LUG LOADER</b>
<b>Specs:</b>	Deep Pile Chains, Unscrambler, Tong Dog Lug Loader, Accu-Placer with Verification System
<b>Capacity:</b>	Up to 12 layers/minute - approximately 90 sticks/minute



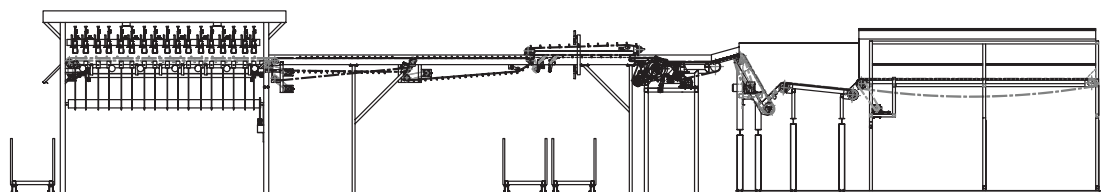
<b>SERIES 2:</b>	<b>AUTOMATIC STICK PLACING WITH STICK SCANNING &amp; SORTING</b>
<b>Specs:</b>	Deep Pile Chains, Unscrambler, Tong Dog Lug Loader, Stick Scanning & Rejection System, Accu-Placer with Verification System
<b>Capacity:</b>	Up to 12 layers/minute - approximately 100 sticks/minute



<b>SERIES 3:</b>	<b>LUG LOADER FREE WITH STICK REJECTION AND AUTOMATIC LOADING</b>
<b>Specs:</b>	Deep Pile Chains, Pile Metering Stick Step Feeder, Singulating Unscrambler, Stick Scanning & Rejection System, TS Multi-Chain Pattern Building, Accu-Placer with Verification System
<b>Capacity:</b>	Up to 12+ layers/minute - approximately 135 sticks/minute



<b>SERIES 4:</b>	<b>MAXIMUM STICK PER MINUTE WITH AUTOMATIC LOADING AND REJECTION</b>
<b>Specs:</b>	Deep Pile Chains, Pile Metering Incline Chains (or Step Feeder), Unscrambler, Tong Dog Lug Loader, Stick Scanning & Rejection System, TS Multi-Chain Pattern Building, Accu-Placer with Verification System
<b>Capacity:</b>	Up to 12+ layers/minute - approx. 150 sticks/minute





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