

Pallet Boards and Stringers

Board Dimensions Trimming & Sorting

Width 1.5" to 8"
Length 28" to 62"
Thickness .25" to 2"

Stringer Dimensions

Width (Height) 1" to 4"
Length 28" min to 62"max
Thickness 1" to 2"

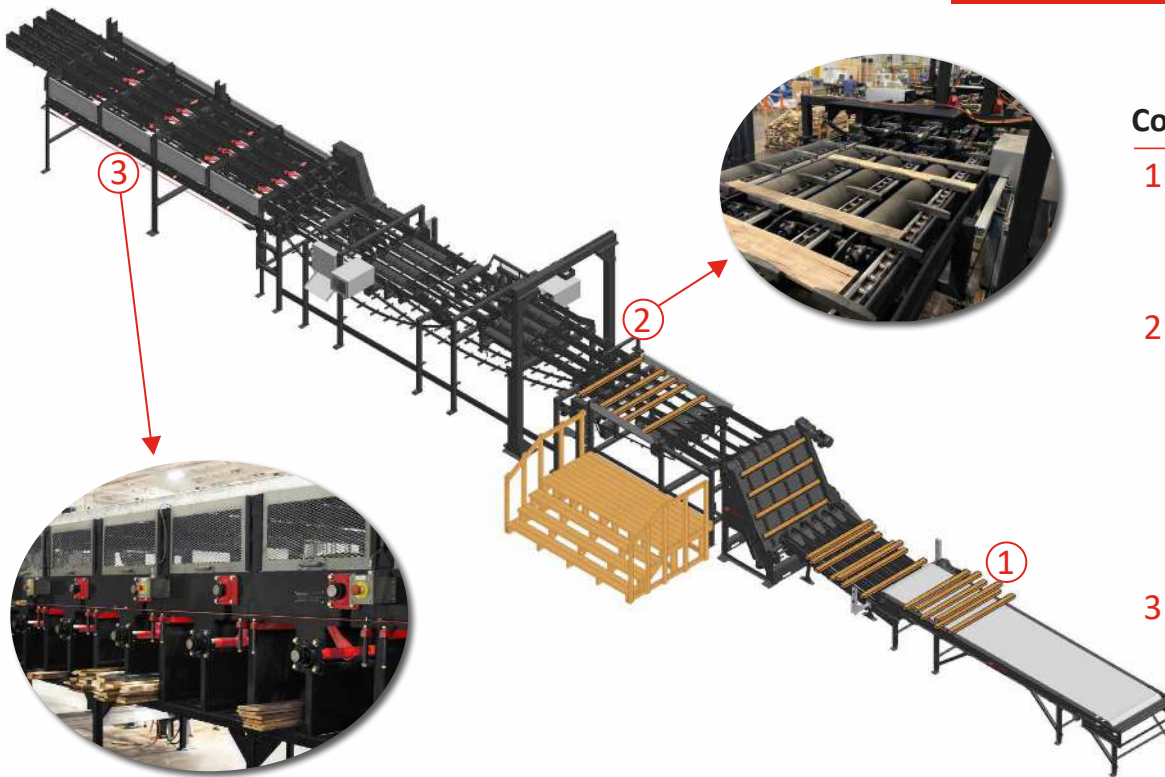
Line Speed

75 lugs per minute (variable speed)
Max speed 90 lugs per minute

Fence and Trimmer Specification

4" fence travel per side
8" total trim

EXPECTED 3,600 BOARDS PER HOUR



Components

- 1** Infeed Section
 - Feed Conveyor
 - Drop Deck
 - Unscrambler
- 2** Optimization Section
 - Staging & Lug Chain Deck
 - Paddle Fence Module
 - Trimming Module
 - Vision & Laser Scanning
 - MCC/PLC Cabinet
 - Software Application
 - Operator Platform
- 3** Outfeed Section
 - Conveyor
 - Drop Sorter
 - Bulk Bin Sort Categories

ALLIANCE SUPPORT

- ▶ Install and training included
- ▶ Post install support
- ▶ Daily production report available
- ▶ Remote service access
- ▶ One year warranty

ADDITIONAL OPTIONS

- ▶ Multiple infeed options
- ▶ Bulk or hand unload
- ▶ Custom configuration of sort categories
- ▶ Peripheral equipment integration
- ▶ Sawdust/scrap conveyance

CONTACT US TO LEARN MORE

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Specifications

▶ Board Dimensions Trimming and Sorting Capacity

- 1.5" to 8" wide boards
- 28" to 62" long boards
- .25" to 2" thick boards

▶ Stringer Dimensions Trimming and Sorting Capacity

- 2 way and 4 way stringer sortation
- 1" to 4" width (height) stringers
- 28" to 62" long stringers
- 1" to 2" thick stringers

▶ Line Optimization

- Normal operating speed is 75 to 90 lugs per minute
- Variable speed control
- Slow cut on stringer option gives better blade life

▶ Fence and Trimmer

- 4" fence travel per side, 8" total trim
- Standard trimmer precision +/- .125" @ 90% accuracy
- Boards with up to 4" of unusable area from trimming edge can be cut off each side.

▶ Sorting Capabilities

- Drop style sorter
- Sorting category
 - Minimum of 4 sort categories
 - Maximum of 20 sort categories
 - Sortation of boards and stringers (2 way or 4 way) in the same run
- End of line reject location
- Quantity counts (Total of job, bin total, shift total)

▶ Vision System

- Precision 3D laser image data acquisition
- Configurable tolerances and detection is standard
 - Bow
 - Warp
 - Crack
 - Corner missing
 - Middle missing

▶ Optimization Software

- Integrated computer and PLC data acquisition
- Computer based optimizing software with full interface
- Infinite board length selection 28" to 62"
- Wide board selection 1.5" to 8"
- Provides crack detection
- Preset dimension management/recipe prioritization management (length/width/thickness combination)
- Bin selection with max count function

▶ Saw Blades for End Trim Saws

- 18" DIA
- (2) 10 hp saws
- 30 mm arbor

▶ Additional Features

- UHMW plastic under all chains
 - Reduces wear and tear from steel on steel.
- Heavy duty frame
- All wood operator platform
 - Easier on operators' feet than steel
 - Easy to modify in the field for customers to customize