



INNOVATE. CREATE. **ADVANCE.**

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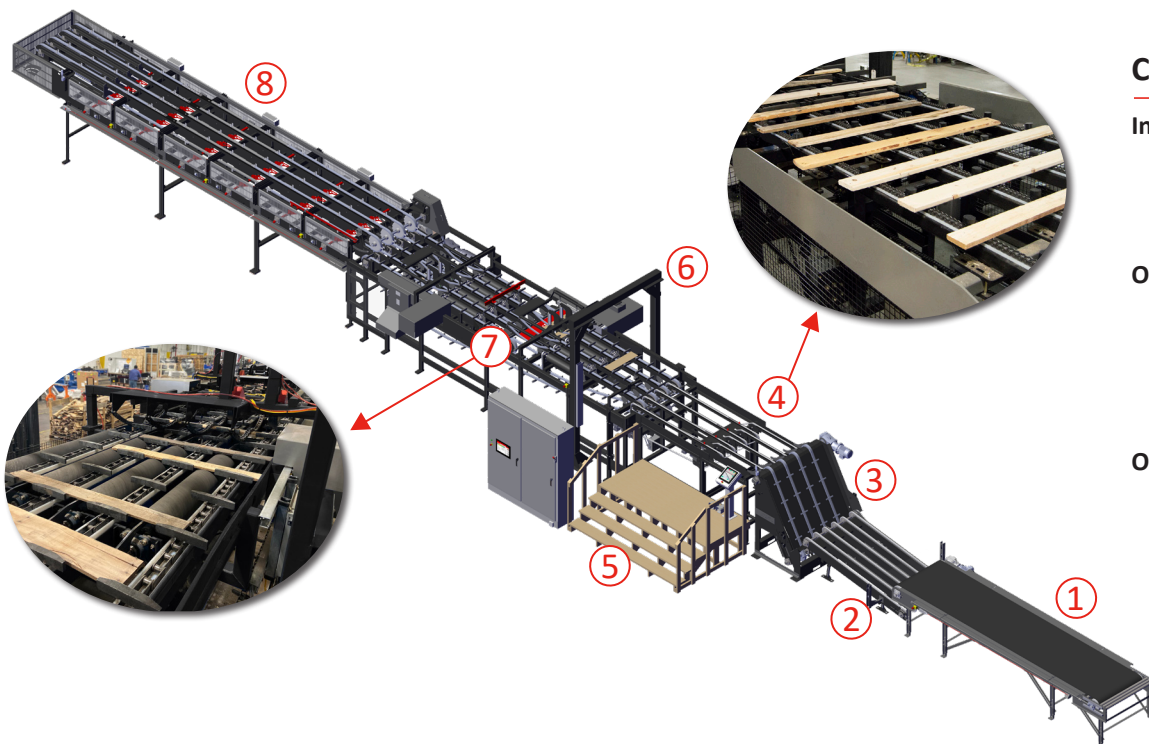
THE URBAN SAWMILL

SCAN • OPTIMIZE • TRIM • SORT

SCAN. OPTIMIZE. TRIM. SORT.

UP TO 32,400 BOARDS PER SHIFT

- ▶ Increase trim speed and accuracy
- ▶ Ability to cut larger boards
- ▶ Supports up to 20 sort bins



Components

Infeed Section

1. Infeed Belt Conveyor
2. Infeed Chain Conveyor
3. Unscrambler

Optimization Section

4. Staging Deck
5. Operator Platform
6. Laser Scanner Deck
7. Dual Saw Deck

Outfeed Section

8. Bulk bin drop sorter

ALLIANCE SUPPORT

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

ADDITIONAL OPTIONS

- ▶ Multiple infeed options
- ▶ Hand unload drop sorter
- ▶ Custom configuration of sort categories
- ▶ Sawdust/scrap conveyance
- ▶ 10" fence travel per side
- ▶ Full length operator platform

CONTACT US TO LEARN MORE

419-238-2520

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Specifications

▶ Board Dimensions Trimming and Sorting Capacity

- 1.5" to 8" wide boards
- 28" to 62" long boards
- 3/8" 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
- Optional: 10" fence travel per side, 20" total trim
- 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
 - 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"
- 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

Version 2.1 Enhancements

▶ Safety

- Easier access for preventative maintenance
- Additional guarding
- Reduction of pinch points
- Tripped pull cord notification light for the operator
- PC and Network power on before main disconnect

▶ Functionality

- New heavy duty duckbill design
- Touchscreen display for board setup
- Optional infeed belt conveyor foot pedal
- Expanded board recipe for 100 boards
- Create unique fault codes
- Bin setup recipes

Full length operator platform option available. (Scrap conveyance required)

