

# SMART MSR LUG LOADER

VIRTUALLY PERFECTION IN EXECUTION



GROWTH



PRODUCTIVITY



QUALITY

The Smart MSR Lug Loader system is an every day performer in **99+% OF THE LUGS OF THE SORTER CHAIN**



## BENEFITS

Create best value for lumber with accuracy  $R^2= 0.9$

Automatic calibration without operator intervention

Accuracy non affected by the speed of the line

Operation software programmed on Allen-Bradley platform

Operator interface is easily accessible via touchscreen

Eliminates the bottle neck at the sorter chains in-feed

Fills every lug

No sustained mechanical stress imposed to the boards

Increase production by up to 50%

Transform the operator's handling job to a process surveillance job

Eliminates safety and injuries risks

## MAIN CHARACTERISTICS:

The **SMART MSR LUG LOADER** has the same features and benefits as the **SMART LUG LOADER** system

- Rotary tong loader principle of operation
- Real-time tong activation selection based on stock size to load
- Handles from 1x3 to 6x12 green or dry
- MSR grades 2x3 to 2x6 dry lumber
- Qualify candidates for 2x3 to 2x6 green lumber
- Accumulation management with servo-motor transfers and vision camera
- Skew correction for better loading
- Complete parameter settings for operators via HMI

## TECHNICAL SPECIFICATIONS

### FEATURE

### VALUE

Handle Stock Size	1x3 @ 1x12 5/4x4 @ 5/4x6 2x3 @ 2x12 Timber up to 6x12
MSR Grade	2x3 @ 2x6
Handle Lumber/ Timber Length	5@20+ ft
MSR Grade Lumber	5@16 ft
Speed	Up to 200 lugs/min.
Footprint	8 ft
Controls	Allen-Bradley



Its simple and robust principle of operation is coupled to the latest vision and automation technology to deliver virtually perfection in execution.

It also measures the Modulus Of Elasticity (MOE) of each board required to produce Mechanical Stress Rated (MSR) quality lumber.



SmartMill is a people-oriented company offering innovative lumber processing systems integrating robotics, vision and artificial intelligence.

SmartMill also provides continuous education for all its clients to improve managerial and operational knowledge and skills to all employees.

**Looking to increase your productivity?**

**CONTACT US TODAY!**

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