

RANGER™ RETRIEVAL SYSTEM

An automated lumber retrieval system that supplies lumber to MiTek's® MatchPoint® BLADE™ wood processing system.



PHYSICAL DATA

Components

Trolley with picking head attached to overhead runway truss

Bunk carts or magazine carts

Crowning infeed deck

Length of runway truss

30', 40', 50', 60', 70', 80', 90', 100'

Other lengths available upon request

Size of trolley motor

2 hp

PERFORMANCE DATA

Speed of trolley

Up to 500 fpm without lumber; up to 350 fpm with lumber

Minimum board length

6'

Maximum board length

16' or 20'

Minimum board size

2x3"

Maximum board size

2x12"

FEATURES

- Integrates with BLADE wood processing system for seamless feeding.
- Locates lumber using a precision laser sensor.
- Uses vacuum to pick lumber and transport it to infeed.
- Crowns boards automatically.
- Holds boards in queue on infeed deck.

ELECTRICAL DATA

Electrical specs

230 VAC
60 Hz
3-phase

SAFETY DATA

E-stops

Pushbutton
E-stop

Obstruction sensors

Located on trolley

Spring brake

For stopping trolley quickly in an emergency

Fixed custom fence

Surrounding infeed deck, standard carts, and magazine carts

Light curtains

Mounted on openings in fence where lumber is loaded

OPTIONS

- May customize the length of the runway truss to fit an existing plant layout
- May choose option to load from saw side or opposite side of runway truss