

RANGER™ RETRIEVAL SYSTEM

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

Physical Data of System

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 specifications:	230V 60 Hz, 3-phase
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Safety Features

- E-stop pushbuttons
- Obstruction sensors located on trolley
- Powerful 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