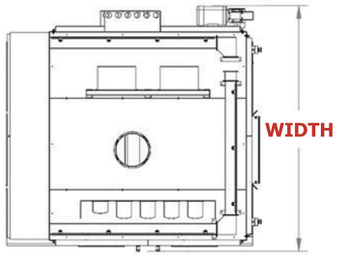
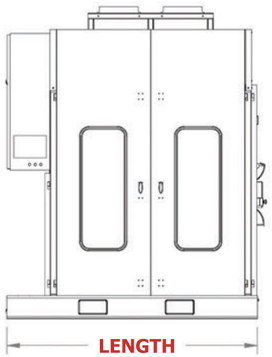
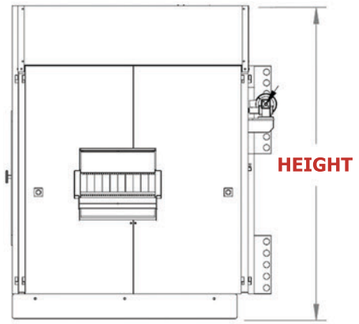
YIELDSAVER KNIFE PLANER W

SPECIFICATIONS



SPECIFICATIONS	YIELDSAVER-24
Main Motors	50 HP (Top) 50 HP (Bottom)
Maximum Part Width	24"
Minimum Part Length	48"
Maximum Part Thickness	5½"
Feed Speed	75-220 FPM
Passline Height	34" (Constant)
Full Load Amps @ 460v	153 FLA
Compressed Air	5 CFM @ 90 PSI
Total Dust Collection	7,860 CFM
Length	7'8" (92")
Width	7'4" (88")
Height	9'2" (110")
Weight (Approx.)	15,000 lbs





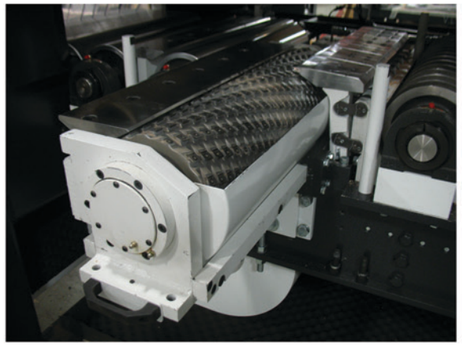
MADE IN U. S. A.

Built in Maple Grove, MN

The YieldSaver was proudly made in the U.S.A. From the first concept by our Engineers to the last bolt turned by our assembly workers, the YieldSaver is all American.

Maintenance Made Easy

Not only is the interior of the YieldSaver completely accessible through the full-height doors on the inboard and outboard sides of the machine, but the cutterheads are mounted in a rail system that allows for routine maintenance operations to be performed without completely removing the head from the machine.



Carbide Inserts

The top and bottom cutterheads utilize 4-sided carbide inserts that are mounted in a helical pattern around the 7" Diameter core. This design allows for a high amount of stock removal without sacrificing finish quality. When dull, the inserts just need to be rotated 90° to a sharp side, or replaced after using all 4 sides.

www.timesaversinc.com
info@timesaversinc.com

Since 1946
TIMESAVERS®

11123 89th Ave North | Maple Grove, MN 55369
Tel:763-488-6600 | Toll-free:800-537-3611 | Fax:763-488-6601

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YIELDSAVER KNIFE PLANER W

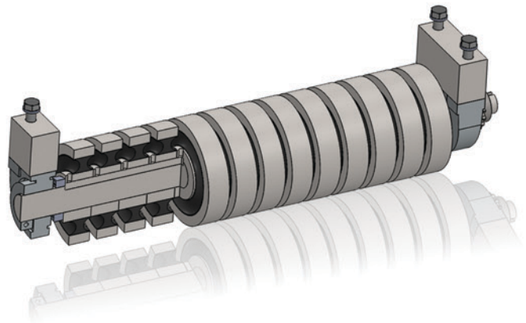
TIMESAVERS® Finish First

YIELDSAVER | TOP/BOTTOM KNIFE PLANER

"A modernized alternative to a conventional rough lumber planer"

The YieldSaver is Timesavers' solution to an outdated and inefficient design: The conventional rough lumber planer. The conventional planer is designed to remove a "set cut" from the bottom of each board (regardless of its thickness) because they cannot self-center the product. With the YieldSaver, each board is automatically centered between the top and bottom opposed cutter heads, allowing equal amounts of stock to be removed from both sides of the lumber. This allows less material to be removed to produce a "clean" board, substantially improving yield.

This feat is accomplished with several patent-pending features. First, self-centering drive rolls and constant clearance shoes were designed. Next, these components were integrated with an extremely robust frame. This potent combination of modern-day technology with Timesavers' tried and true machine design ensures a superior performance and a truly dependable asset to any operation.

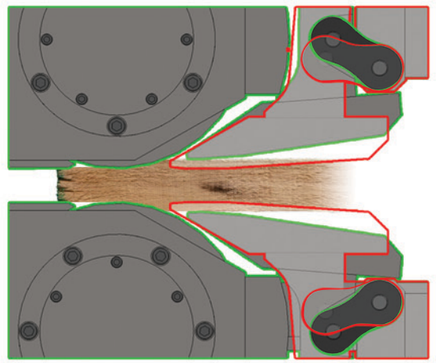


Self-Centering Drive Rolls

Special Infeed Drive Rolls were designed specifically for use in the YieldSaver. Knurling ensures maximum product control over a long life. Combining a patent pending flexible core with a segmented roller design provides automatic self-centering of each board being processed. Using a flexible core instead of expensive electronics, or a complicated set-up, is a simple and cost effective solution to an otherwise complicated problem. An added benefit to this segmented design is the ability to replace individual segments as opposed to an entire roll if any of these segments are damaged.

Constant Clearance Shoes

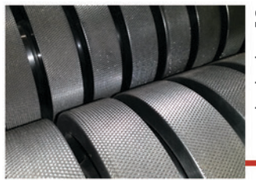
The purpose of shoes is to hold the part as close to the cutterhead as possible to minimize snipe. Shoes must be able to move because boards presented to the machine vary in thickness. When a thicker board is presented to conventional shoes, they move closer to the cutterhead. The downside of this design is that the shoes need to be placed farther from the cutterhead, increasing the potential for snipe. Timesavers' receding shoes solve this problem by maintaining a constant clearance between the shoe and the cutterhead, as seen in the figure to the right. Notice the clearance between the shoes (red= at rest/green=compressed) and the cutterhead does not change even when thick boards are being processed.



DESIGN

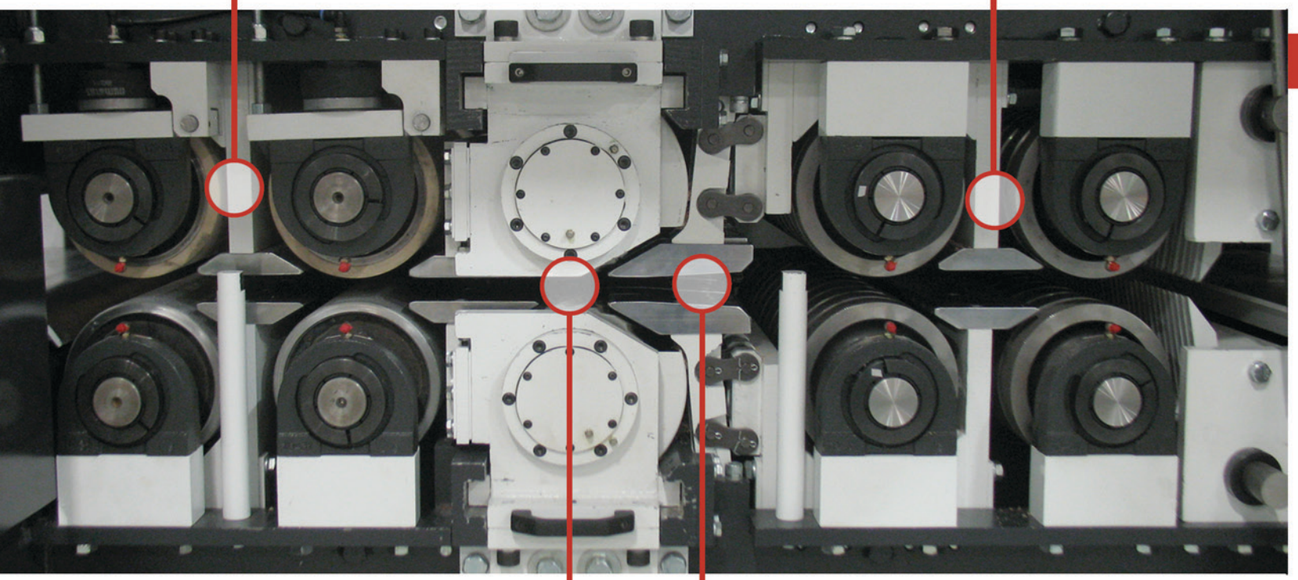
Outfeed Drive Rolls

- Solid Core Design for Increased Tolerance
- Top rolls are rubber covered for maximum grip
- Bottom rolls are lightly knurled for long life and maximum product control



Self-Centering Drive Rolls

- Flexible Core (Patent Pending)
- Self-centering of product
- Knurled for long life and maximum product control



Top/Bottom Cutterhead

- Replaceable knife inserts (4-Sided)
- Superb finish which optimizes Rip-Scanner yield
- High stock removal capabilities

Constant Clearance Shoes

- Innovative Patent Pending Design
- Segmented for multi-part control
- Spring loaded to self-center product
- Receding action maintains consistent clearance to cutterhead
- Designed to minimize sniping

FEATURES

Timesavers Simple Touch

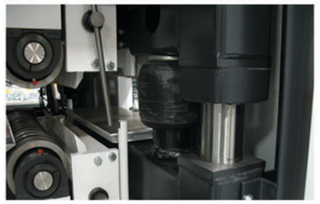
Machine operation is controlled through the color touchscreen control panel. This easy to use graphical interface allows for complete control over machine operation. Multiple programs allow quick input of various machine parameters to ensure a quick and accurate set-up.

Anti-Kickback Fingers

Heavy duty steel "fingers" are mounted on the top and bottom at the infeed of the machine to prevent material kickback.

Backlash Compensation

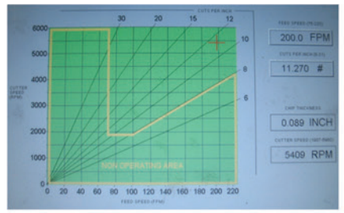
Inflatable air bags remove backlash from the raise/lower lifting jacks by applying a force similar to normal operation. This ensures an accurate and repeatable output.



STANDARD

Cutterhead Speed Synchronization

In most machines, changing feed speeds also changes cuts per inch and chip sizes. This patent-pending feature synchronizes the cutterheads and feed mechanism to make cuts per inch and chip sizes constant. This can provide a significant improvement in tooling life as well as reducing energy consumption. This also improves the value of wood chips sold for animal bedding.

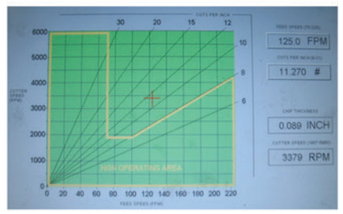


-**200 FPM** Feed Speed

-11.270 Cuts Per Inch

-0.089" Chip Thickness

-**5,409 RPM** Cutter Speed



-Reduce Feed to **125 FPM**

-11.270 Cuts Per Inch (Same)

-0.089" Chip Thickness (Same)

-**3,379 RPM** Cutter Speed
(Automatically Adjusts)

OPTIONAL