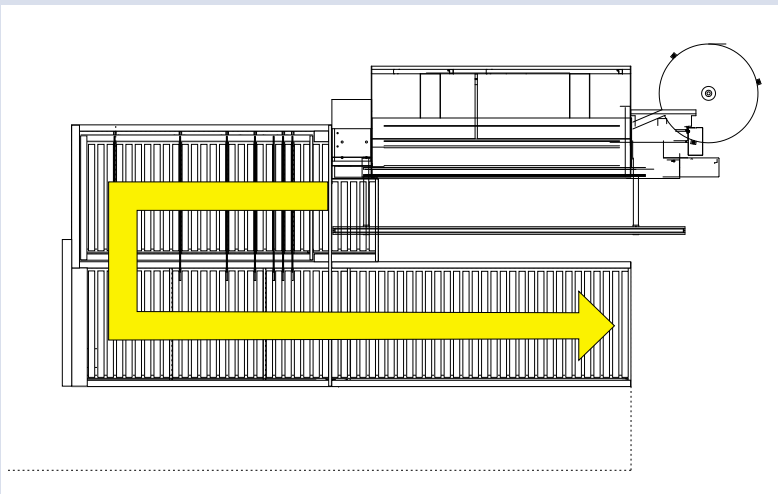


Labor Saving & Productivity Solutions

Taylor Return Conveyors



 **RETURN**
conveyor



For Use With:
Edgebanders
Shape & Sand Machines
S.L. Rip Saws
Wide Belt Sanders

Taylor Manufacturing

130 Salt Point Turnpike
Poughkeepsie, NY 12603
800-952-1320
www.jamestaylor.com

Made in USA
Poughkeepsie, NY



Return Conveyor for Edgebanders Straight Line Rip Saws Wide Belt Sanders



Need a Return Conveyor?

Turn a two man operation into a one man operation.

Save: Salary

Overtime

Benefits

Management expense

Training Expense

Or you can free up a man to improve the productivity of your shop.

Why a Taylor Return Conveyor?

Return on Investment: With our competitive pricing, the payback period is very fast. The cost of a new machine is less than one year's wages.

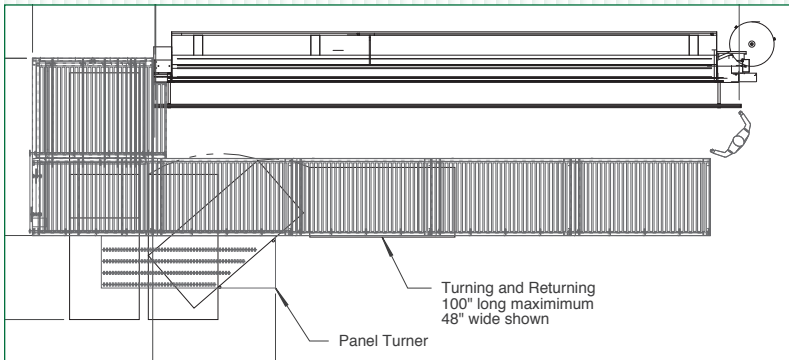
Quality and Innovation: Taylor's 105 years in business and our four Challenger Awards assures a U.S.-made machine high on quality and long on innovation.

Fast Delivery and Easy Setup: All machines are built in our Upstate New York factory in eight weeks or less. Every machine is fully assembled here and ships 80-90% assembled. You will be up and running in hours.

Sales and Support: Because we design, build, test and ship at one facility, we understand the needs of the customer. Year in and year out, we are regarded as one of the best sales support companies in the woodworking industry.

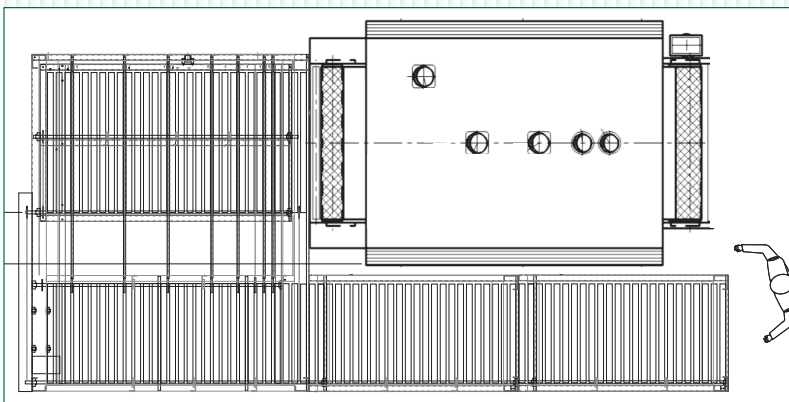


Taylor Return Conveyor Systems



Edge Bander

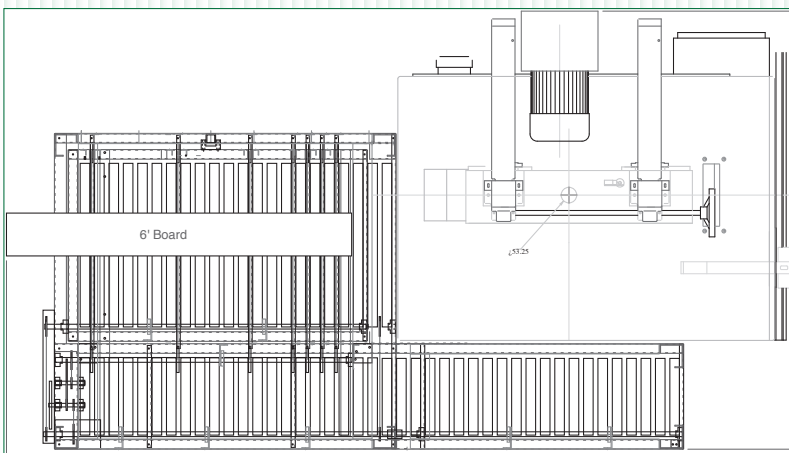
The edge bander model comes in multiple widths and lengths. The outfeed return can be customized to return components to any location near the edge bander infeed. Numerous options are available for special applications.



Wide Belt Sander

The Taylor Return Conveyor for use with a wide belt sander has several special features. If necessary it can be equipped with:

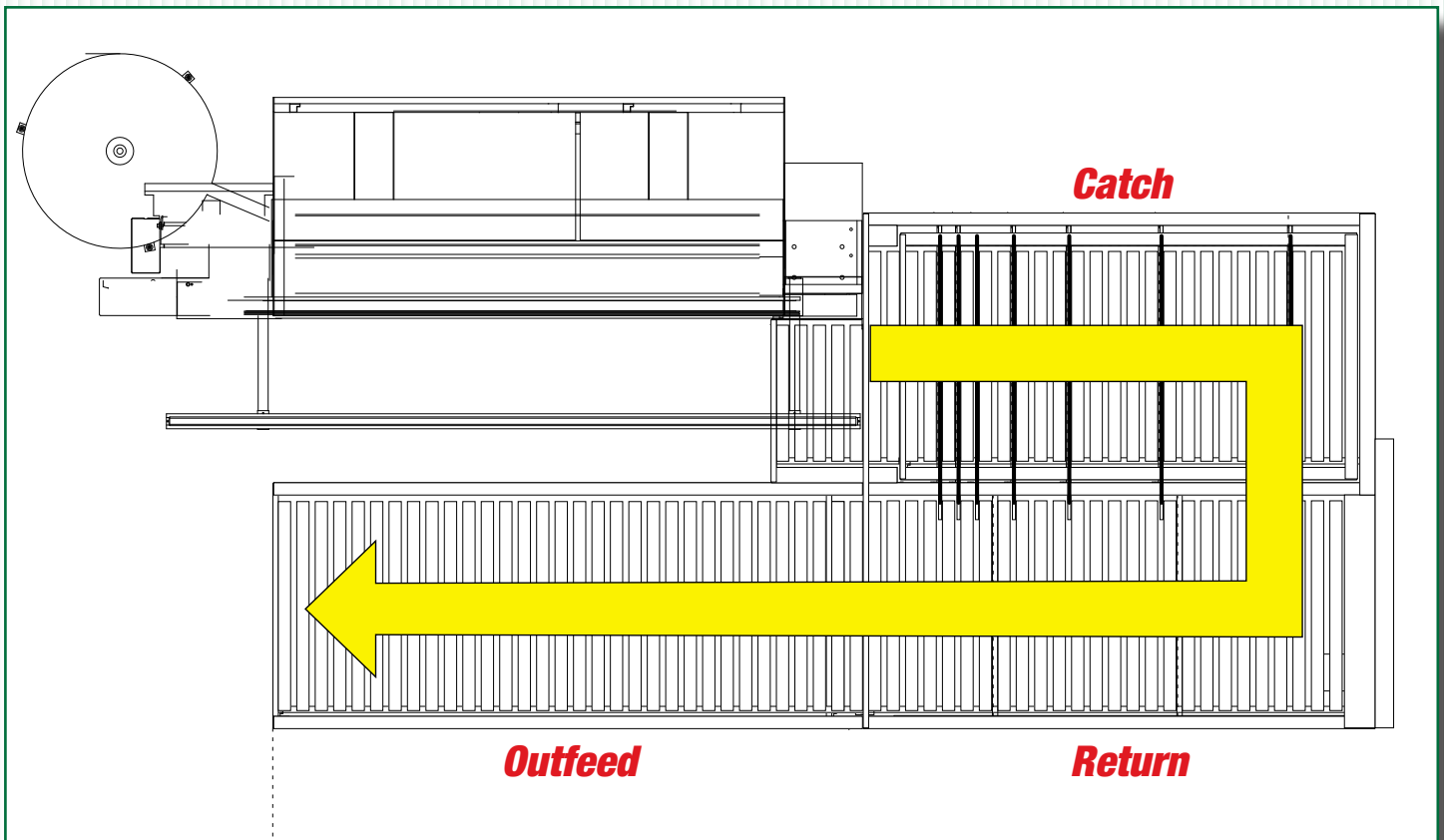
1. An extra transfer section to create clearance for the width of the sander.
2. Casters on all legs allow it to be rolled away from the side of the machine for belt changes or sander maintenance.
3. Powered height adjustment for top sanding sanders.



Straight Line Rip Saw

Return Conveyors for rip saws have a fast payback. Most boards need at least two passes through the saw so productivity is increased by 100%. Usually the catch width is sized so boards can be ripped on both sides of the blade.

When you need to run your machine, why use two men when you can do the job with one? A return conveyor makes the operation twice as efficient by tending the machine automatically. This eliminates the need to catch and stack finished parts. The productivity of the first operator is doubled.



How It Works

1. Components exit your edgebander, sander, or rip saw
2. Our catch is equipped with powered rollers which feed the component completely onto the catch section.
3. A sensor is used to activate cylinder and lower the catch and place the component onto traverse belts.
4. Traverse belts carry the component sideways onto the return section.
5. The return is equipped with powered rollers to start the component back to the operator.
6. The return extension carries the component back to the infeed end.



Powered Infeed Catch - Catch moves up and down for gentle transfer of parts/ The Catch has independent flow controls for adjusting the speed of the up and down movement to match its functions to the size and weight of your parts.



Pneumatic Catch Lowered



Pneumatic Catch Raised

PLC Controlled / Variable Speed Drive System - Our PLC controlled catch system automatically adjusts the timing to compensate for conveyor speed changes. Speed of the Return Conveyor is programmed through a Variable Frequency Drive and is adjustable to match the speed of the partner machine.

For the Budget Minded:

Most machines that we build (#910A) are equipped with the catch section that lifts up or down. We also have a stationary catch model (#911A) for those who might be on a tight budget.

Material is fed out of the machine with the help of outfeed belts located on the return conveyor. When it completely exits the machine, it drops onto a series of cross belts that deliver it to the return section and the return rollers deliver the component to the operator.



Features

- Heavy duty frame and component construction for long life (heavier than the competition).
- All rollers powered and individually clutched for long belt life
- Outfeed conveyor available in any length to fit any machine
- Roller spacing is 3"
- Minimum size is 1" x 6"
- Maximum size is 50" x 132"
- Powered rollers feed components onto catch section.
- Drop away catch gently transfers parts to cross conveyors. Photo eye drops the catch and a PLC adjusts timing based on conveyor speed
- Return is 2 1/2" below the catch to allow over/under return
- Variable Speed AC drive matches conveyor speed to your machine
- Adjustable legs to match your machine's passline height.

**Variable
Speed Drive
Matches
Machine
Speed**

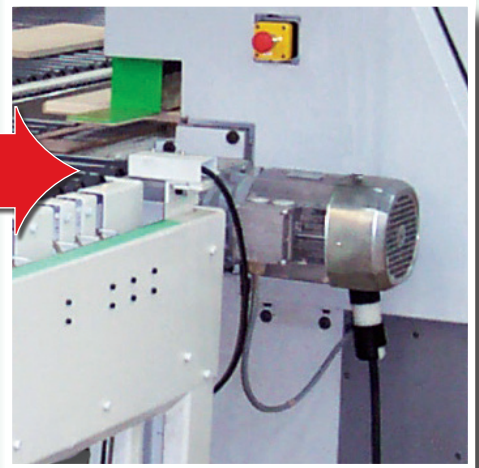
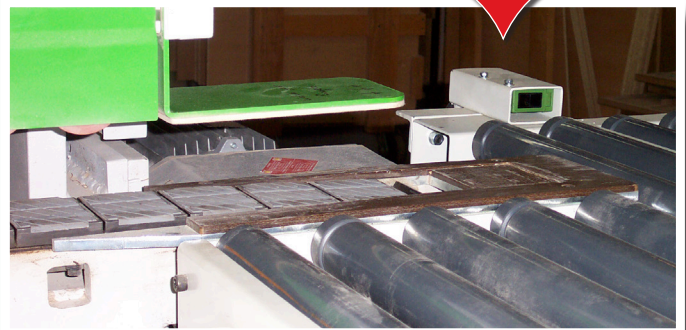


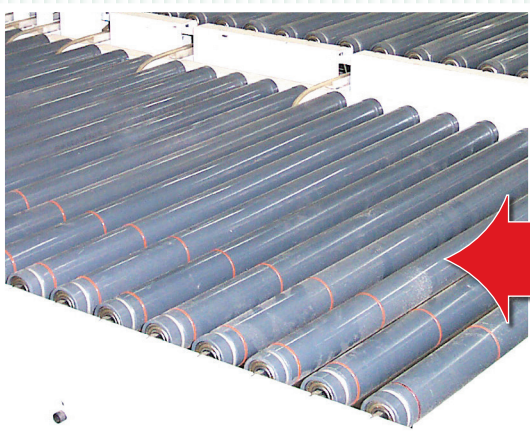
Photo Eye



**Adjustable
Legs**



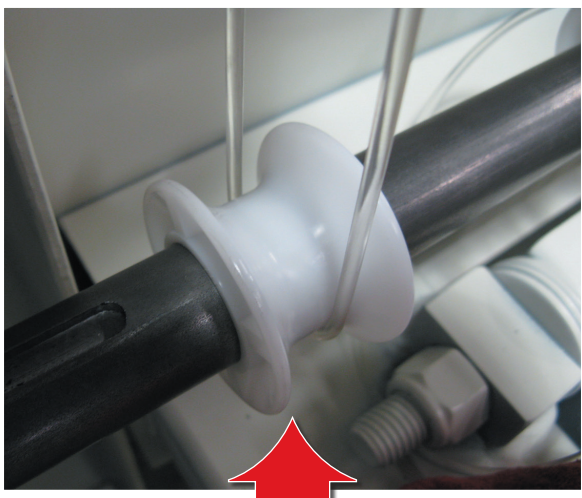
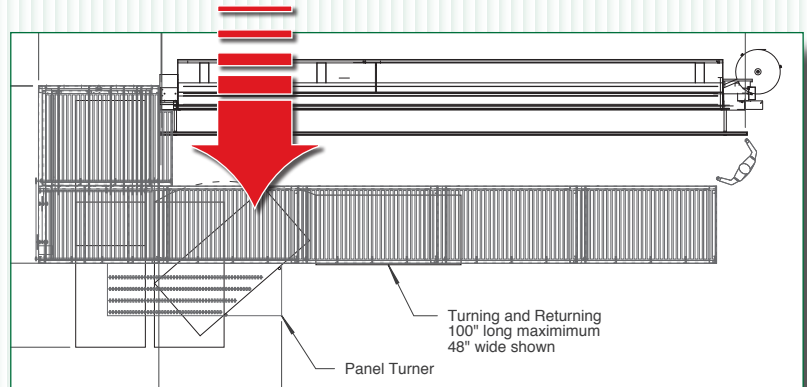
Roller Spacing



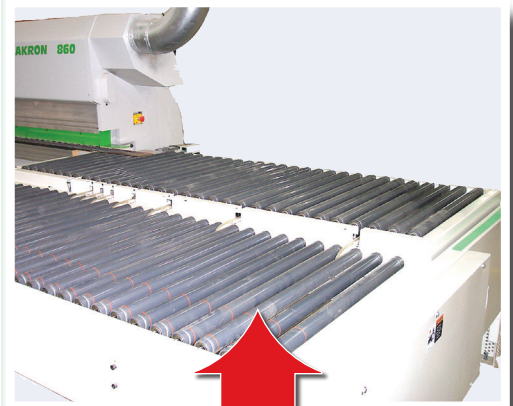
Options

- Feed through bypass switch
- Powered panel turner for banding the short side of a long panel
- Small part catch arms
- Extra transfer

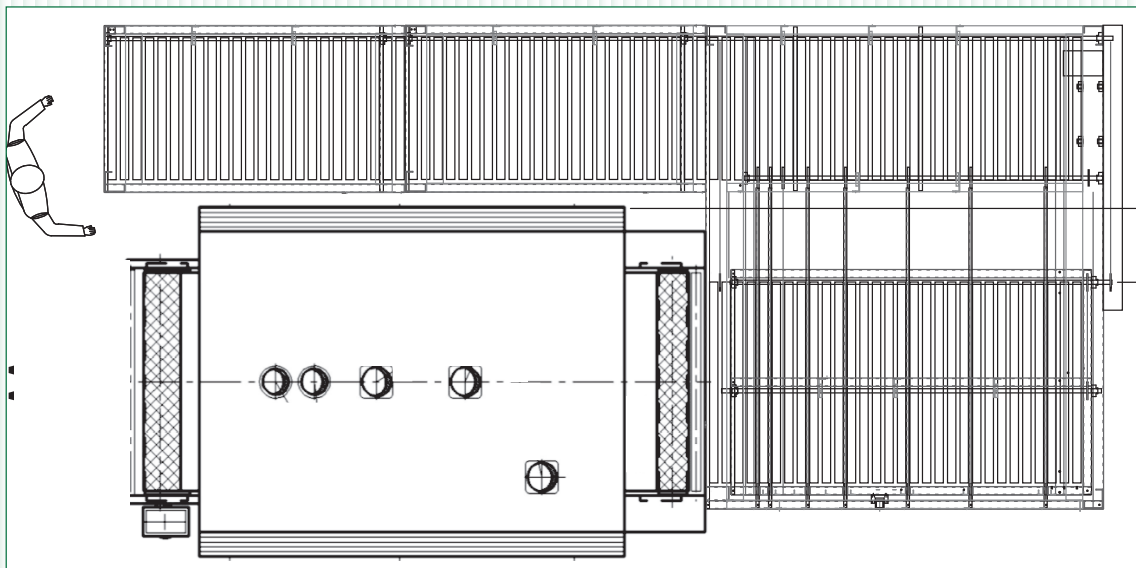
Powered Panel Turner



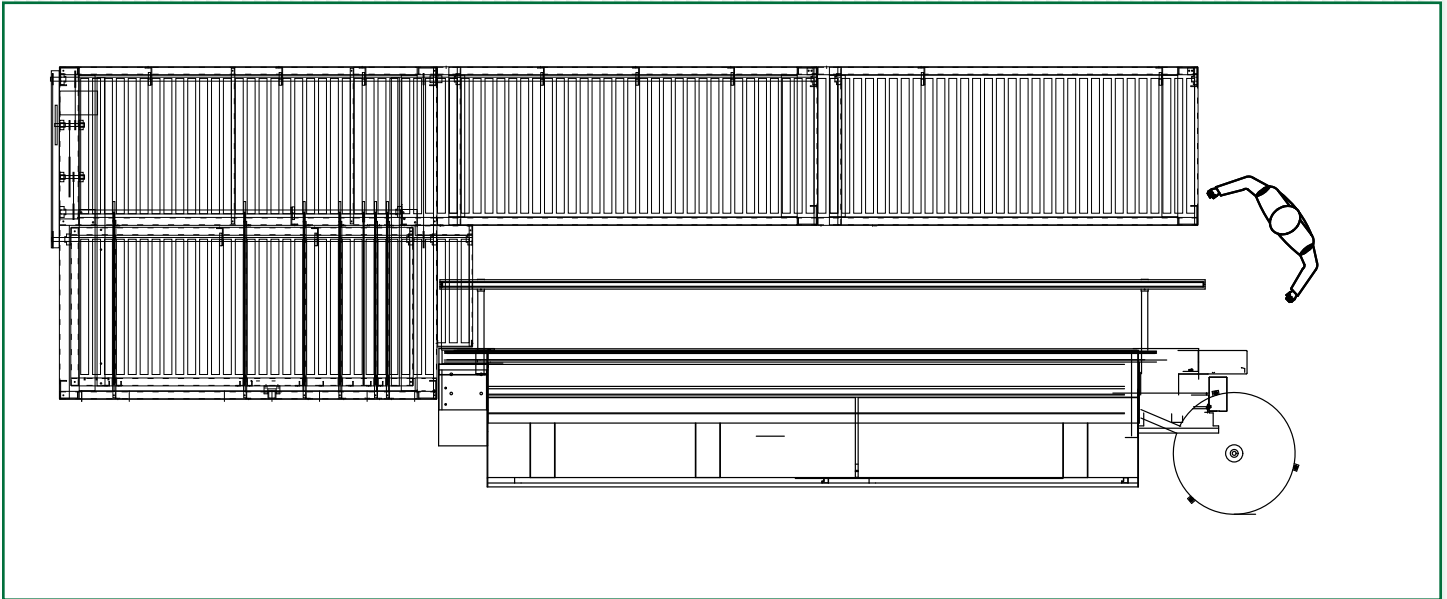
Roller Clutch and Belt



Over/Under Design



Specifications:



- Catch and return Frames to handle material up to 132" long
- Catch and return Frames to handle material up to 50" wide, wider with a panel turner
- 3 Phase Power: 2A @ 575 Volt
 3A @ 440 Volt
 4A @ 220 Volt
- Air: 1CFM @ 90PSI

Testimonials

"We approached James L. Taylor Manufacturing because we wanted a standardized solution for return conveyance for various brands of edgebanders. Taylor's return systems have helped us take several traditional two-person tasks down to one operator and increase productivity at our edgebanders. Taylor was flexible to work with over the multiple installs and we were able to customize certain aspects of their design to meet our needs. This was important for the variety of product and component sizes we produce. We are satisfied with reliability and fast response time for technical support; spare parts have also been readily available with a quick turnaround time. We have had good success working with Taylor and plan to stick with their return system as a standard solution in the future. This success has now expanded our relationship into utilizing Taylor's clamping solutions also."

K.P. Rumfelt - National Office Furniture

"Charter of Lynchburg, Inc. just purchased the third return table from James L. Taylor Manufacturing Co. The machines have an excellent overall performance record. "Perfect" is a word we like to use but hardly can. But with zero issues it applies to these return tables without reservation."

Waldemar Oelschlager - Charter of Lynchburg, Inc.

James L. Taylor Mfg. (845) 452-3780 info@jamestaylor.com