

# APPLICATION BULLETIN

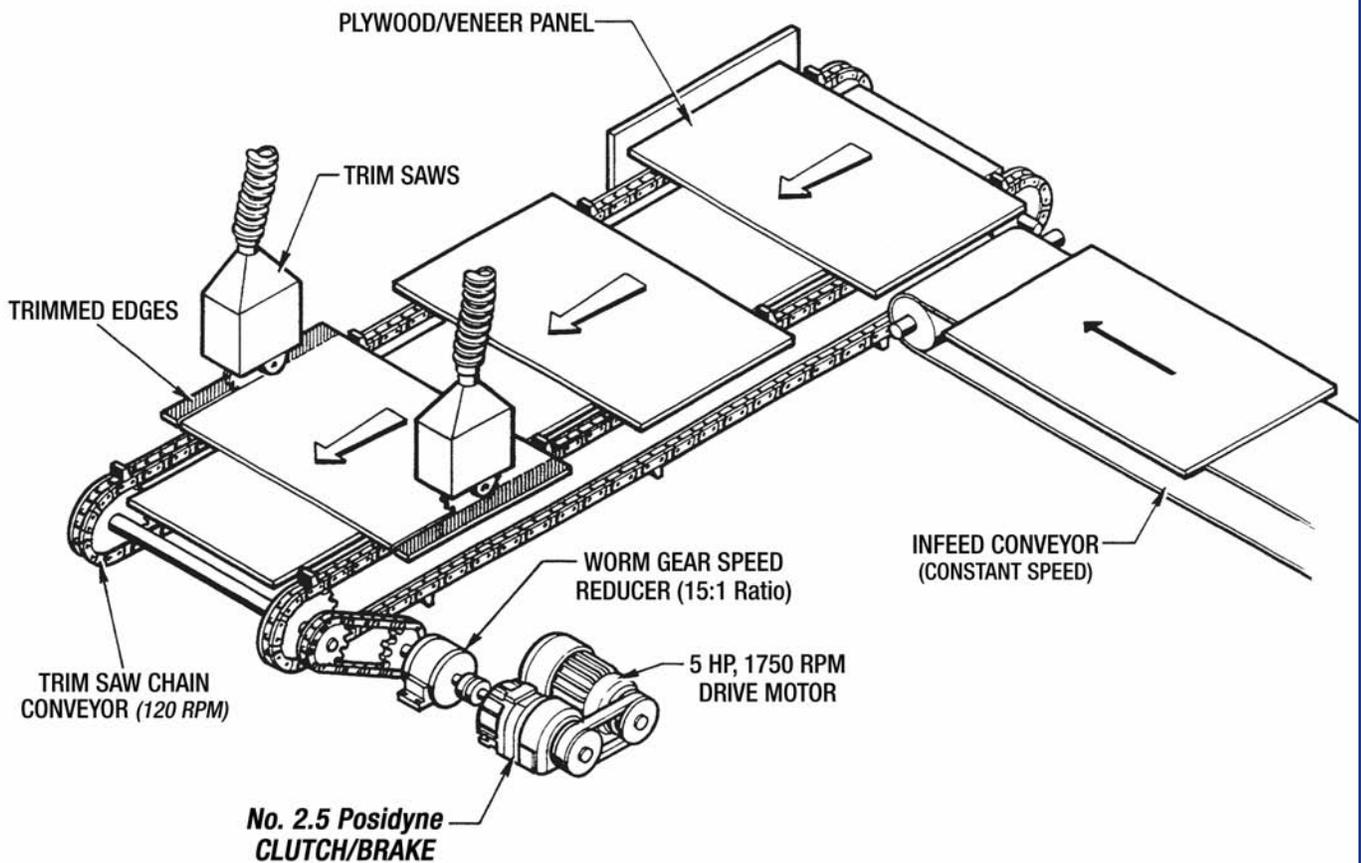


**APPLICATION:** Plywood/Veneer Trim Saw Conveyor

**INDUSTRY:** Plywood/Veneer Plants

**PRODUCT:** Oil Shear *Posidyne* Clutch/Brake

## PLYWOOD/VENEER TRIM SAW CONVEYOR



# PLYWOOD TRIM SAW CONVEYOR

**WHERE THEY ARE USED:** The Trim Saw Chain Conveyor is used in the finishing area of Plywood/Veneer Plants.

**HOW THEY WORK:** Boards are continually coming from the trim saws that have just finish cut the 4' dimension of a (nominal) 4' x 8' board. When the *board* enters the Trim Saw Chain Conveyor it butts up to a dead stop. This is the cue for the chain & dog style conveyor to traverse the board at a right angle towards the trim saws that will achieve the finish cut 8' dimension. In this fully automated arrangement the swift, accurate stop/start of the chain conveyor ensures the mesh between continuous feed and indexing at right angles. Improper stop position or sluggish accel/decel of the chain & dogs will cause jam-ups.

## PROBLEMS SOLVED:

**Longevity** - The trim saw chain conveyor is In-line and there for a critical part of keeping the plant running. Employing a standard motor that is allowed to run constantly and a **Posidyne** clutch/brake to provide a smooth controlled drive engagement is a key strategy to ensure long, maintenance free life in all cyclic drive components. The **Posidyne** Clutch/Brake's totally enclosed housing and patented oil cooling techniques ensure reliable service in hot, dirty, wet and generally hostile environments.

**Consistent Accuracy** - Consistent timing is essential and must be maintained. The **Posidyne** exhibits negligible torque changes throughout its life, or during cold to hot phase shift. The result of this is consistently accurate stops and starts with no adjustments required.

## IMPORTANT FEATURES:

- Totally enclosed, oil cooled unit for long service life with low maintenance in the harshest environments.
- Oil Shear technology and innovative friction material provide smooth controlled torque for quick, smooth acceleration.
- Consistently accurate starts and stops with no adjustment required.
- Continuously running standard motor for long service life and lower energy consumption.



## **FORCE CONTROL INDUSTRIES, INC.**

3660 Dixie Highway

Phone: 513-868-0900

E-Mail: [info@forcecontrol.com](mailto:info@forcecontrol.com)

Fairfield, Ohio 45014

Fax: 513-868-2105

Web: [www.forcecontrol.com](http://www.forcecontrol.com)