

# APPLICATION BULLETIN

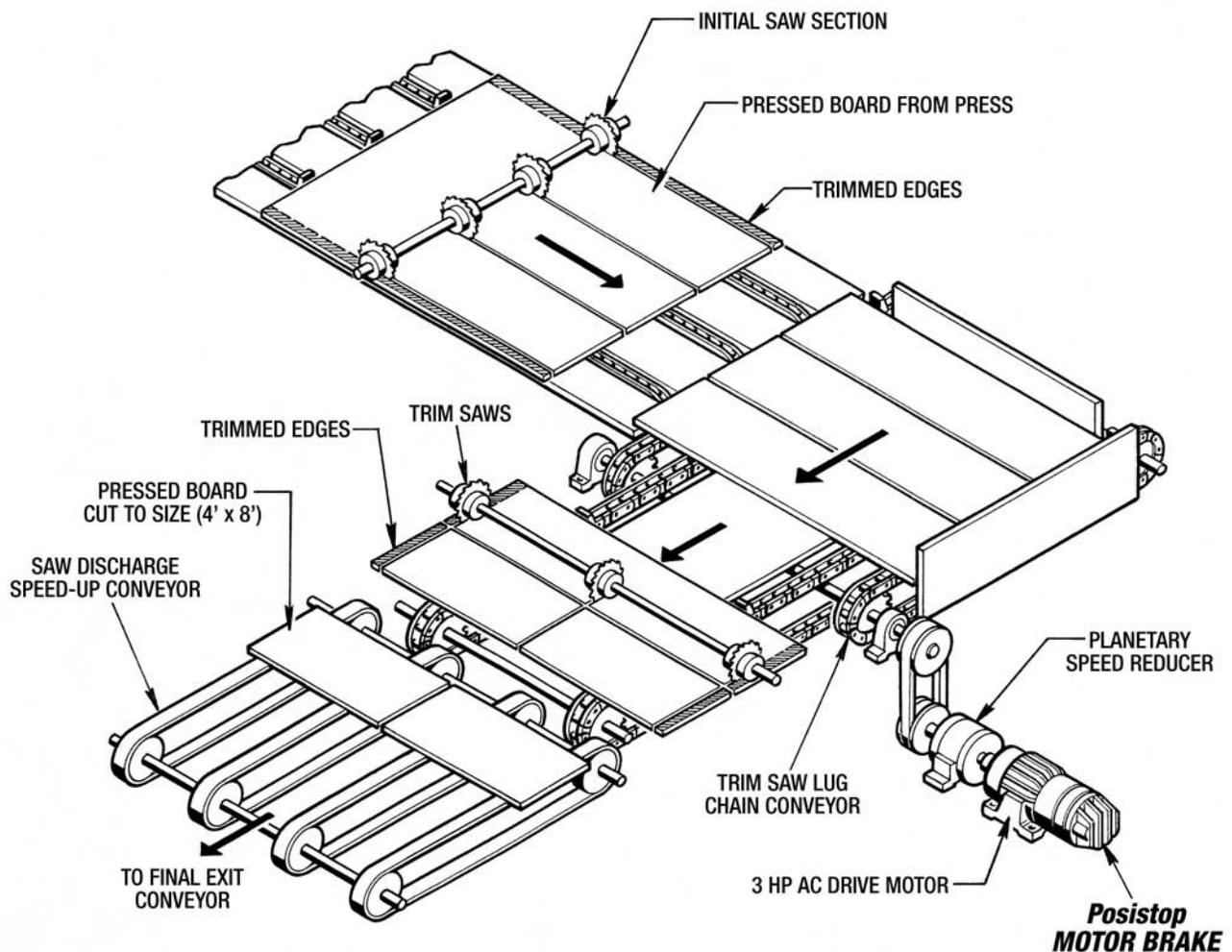


**APPLICATION:** Trim Saw Conveyor Drive

**INDUSTRY:** (OSB) Oriented Strand Board Plants

**PRODUCT:** Oil Shear *Posistop* Motor Brake

## TRIM SAW CONVEYOR DRIVE



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**WHERE THEY ARE USED:** The Trim Saw Conveyor is located down stream of the triangle conveyor after the primary long cut saws in the Finishing area of the OSB plants.

**HOW THEY WORK:** The Trim Saw Conveyor drive uses a standard AC motor with a brake mounted on the auxiliary end of the motor. The Trim saw performs a simple index that must be accurate and reliable. Consistent stopping position is important so that the lugs on the chain are ready to accept the next board to be indexed thru the trim saws

**PROBLEMS SOLVED:** The main problem with the dry friction brakes is they mechanically fail frequently and do not provide consistent stopping positions. The atmosphere around the forming line and throughout the plant is damp. The repetitive cycling of the brakes causes frequent failures.

The Force Control **Posistop** Motor Brake puts an end to the monthly maintenance of the motor brakes. The **Posistop** Brakes are drop in replacement for many of the dry friction brakes that are typically used throughout the industry. The oil shear design of the **Posistop** Brake provides a totally enclosed brake that is immune to the damp atmosphere and there are no flimsy mechanical linkages to fail due to repetitive use.

The end result is a brake that will easily install to replace the typical dry friction electric brake to provide a very reliable, long life, brake with no maintenance other than an annual oil change.

### IMPORTANT FEATURES:

- **Oil Shear Technology** gives the **Posistop** Motor Brake extremely long life, as well as consistent stopping.
- The totally enclosed design provides a brake that is not effected by harsh environments.
- Special model brakes provide drop in replacements for several of the commonly used dry friction brakes. See model MB-210.



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