

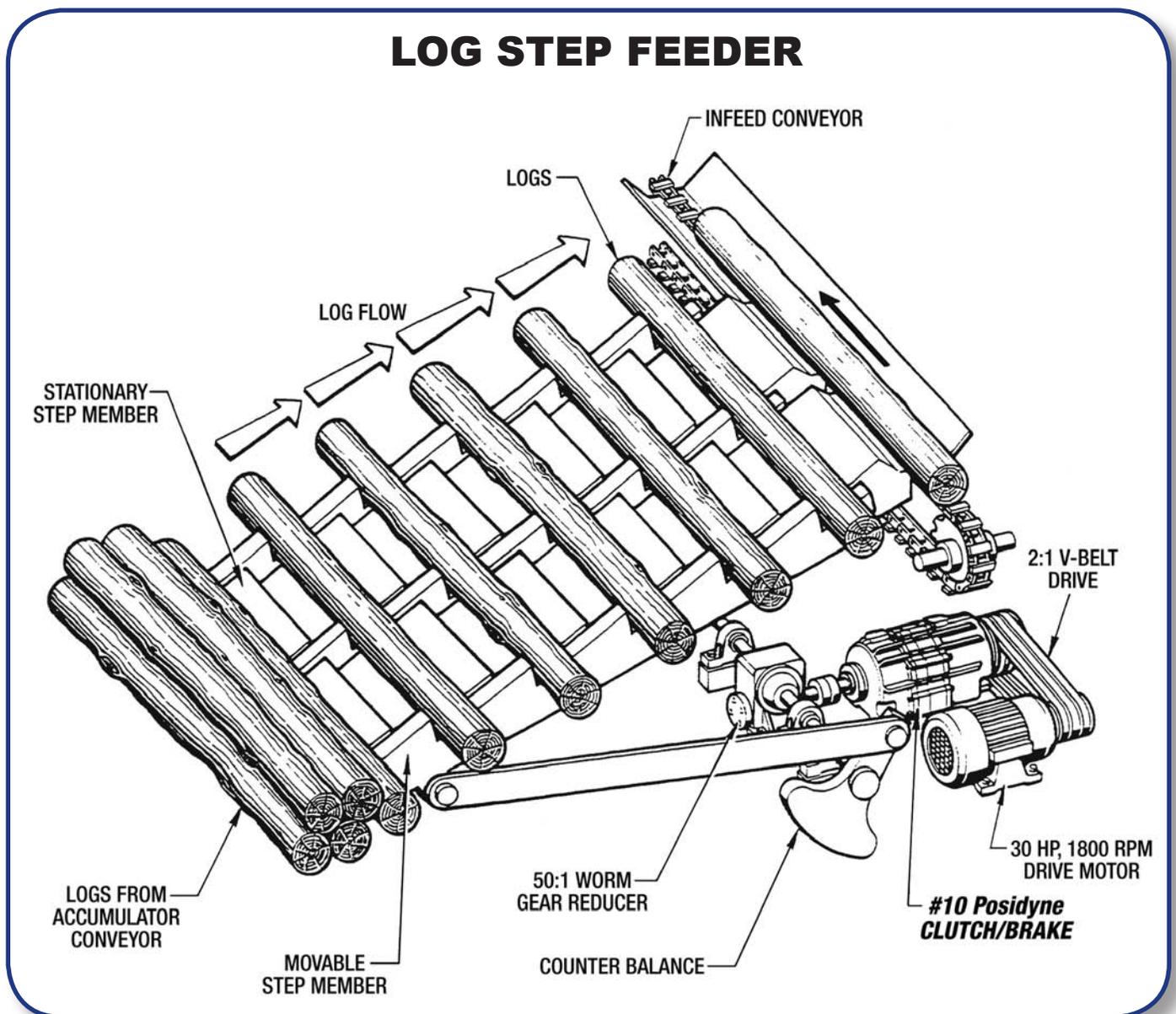
APPLICATION BULLETIN



APPLICATION: Log Step Feeder

INDUSTRY: Dimension Lumber Mills

PRODUCT: Oil Shear *Posidyne* Clutch/Brake



LOG STEP FEEDER

WHERE THEY ARE USED: The Step Feeder is found in dimension lumber or saw mills, to separate single logs for processing to the edger optimizer or Chip-N-Saw.

HOW THEY WORK: Logs coming in from a log deck are fed onto an accumulator conveyor to load into the Step Feeder. The Step Feeder will separate the logs to load a single log into the In-feed Conveyor. Each stroke of the Step Feeder will pick up a new log at the bottom, and discharge one log at the top.

PROBLEMS SOLVED:

Longevity...

The Step Feeder is in-line and therefore a critical part of keeping the mill running. This unique style conveyor starts and stops with each new log to be processed. 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 of the cycling drive components. The **Posidyne** Clutch/Brake's totally enclosed housing and patented oil cooling technique ensure reliable service in hot, dirty, wet and generally hostile environments.

Consistent Accuracy...

Consistent stop location is critical for the proper action of the Step Feeder. The **Posidyne** Clutch/Brake exhibits negligible torque change through out it's life, or during a cold start to a hot run operation. The result of this is consistently accurate stops and starts with no adjustment needed.

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.



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