

APPLICATION BULLETIN

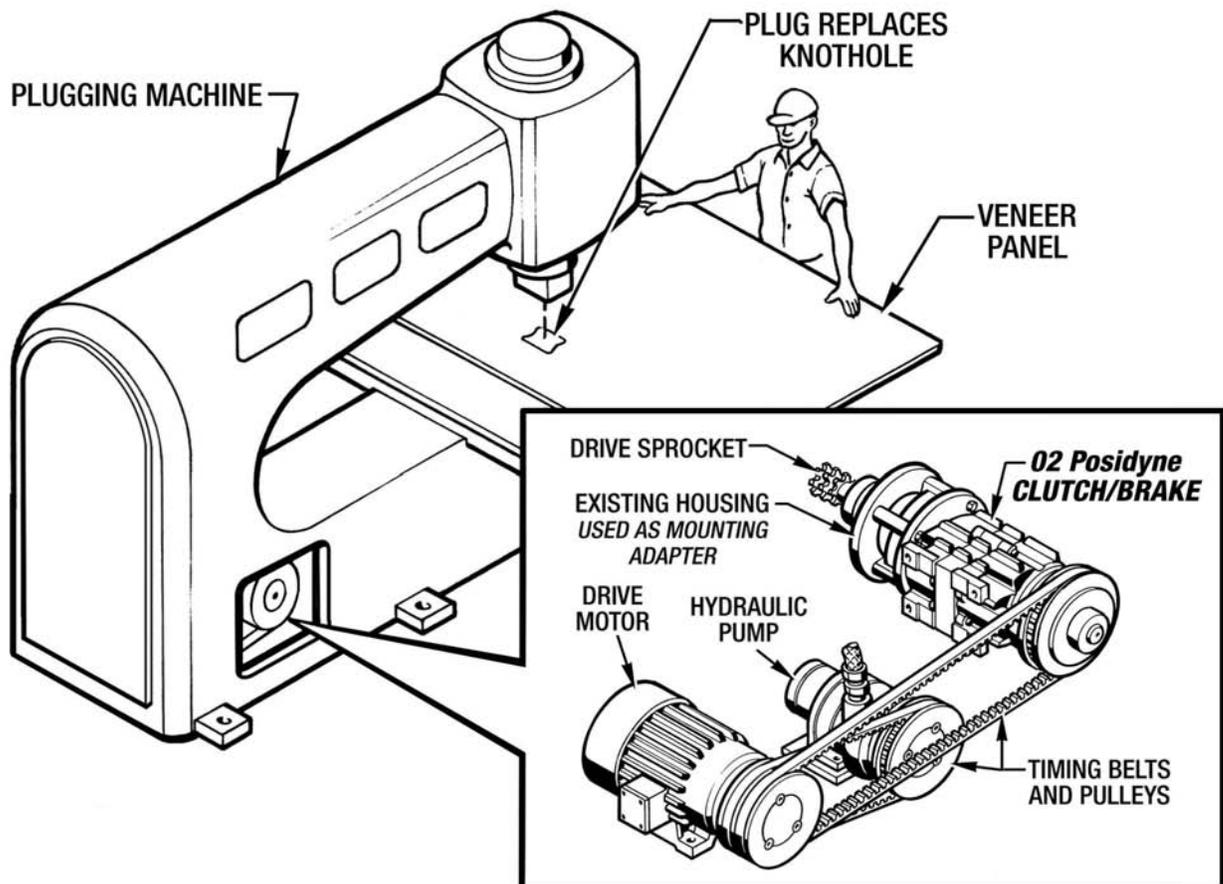


APPLICATION: Veneer Plugger Drive

INDUSTRY: Plywood/Veneer Plants

PRODUCT: Oil Shear Size 02 *Posidyne* Clutch/Brake

VENEER PLUGGER DRIVE



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WHERE THEY ARE USED: The Plugger is in the finishing end of a plywood plant. It is used to remove flawed sections of plywood such as open knot holes etc. At the same time it replaces the removed plug with a new plug.

HOW THEY WORK: Knot holes are identified and positioned by hand under the plugger head. In one step the Plug is removed and a new plug put in it's place.

The plugger can be retrofitted with a standard motor with a **Posidyne** clutch/brake and gear reducer to drive the plugger. The clutch will engage each cycle, drive the plugger and stop at the end of the cycle. The motor runs continuously, ready for a quick response when the operator signals for a cycle.

PROBLEMS SOLVED:

Longevity - The smooth engagement of the 02 **Posidyne** Clutch/Brake is a key strategy to ensuring long life not only in the 02 **Posidyne**, but in all of the downstream components. The 02 **Posidyne** Clutch/Brake's totally enclosed housing eliminates problems normally associated with lumber industry dust, dirt, chips and moisture. The oil shear system reduces mechanical wear on the friction discs ensuring long life of the 02 **Posidyne**. With the **Oil Shear** and air actuation no adjustment is required during the life of the unit.

Consistent Accuracy - The plugger head must return the exact stop position every stroke so that it is not out of position causing problems in loading etc.

IMPORTANT FEATURES:

- Totally enclosed, oil cooled unit for long service life with low maintenance in the harsh lumber industry environment.
- Oil shear technology and innovative friction materials provide smooth controlled torque for quick, smooth acceleration and deceleration.
- Consistent starts and stops with no adjustments required.
- Continuously running standard motor for long service life and low energy consumption.



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