

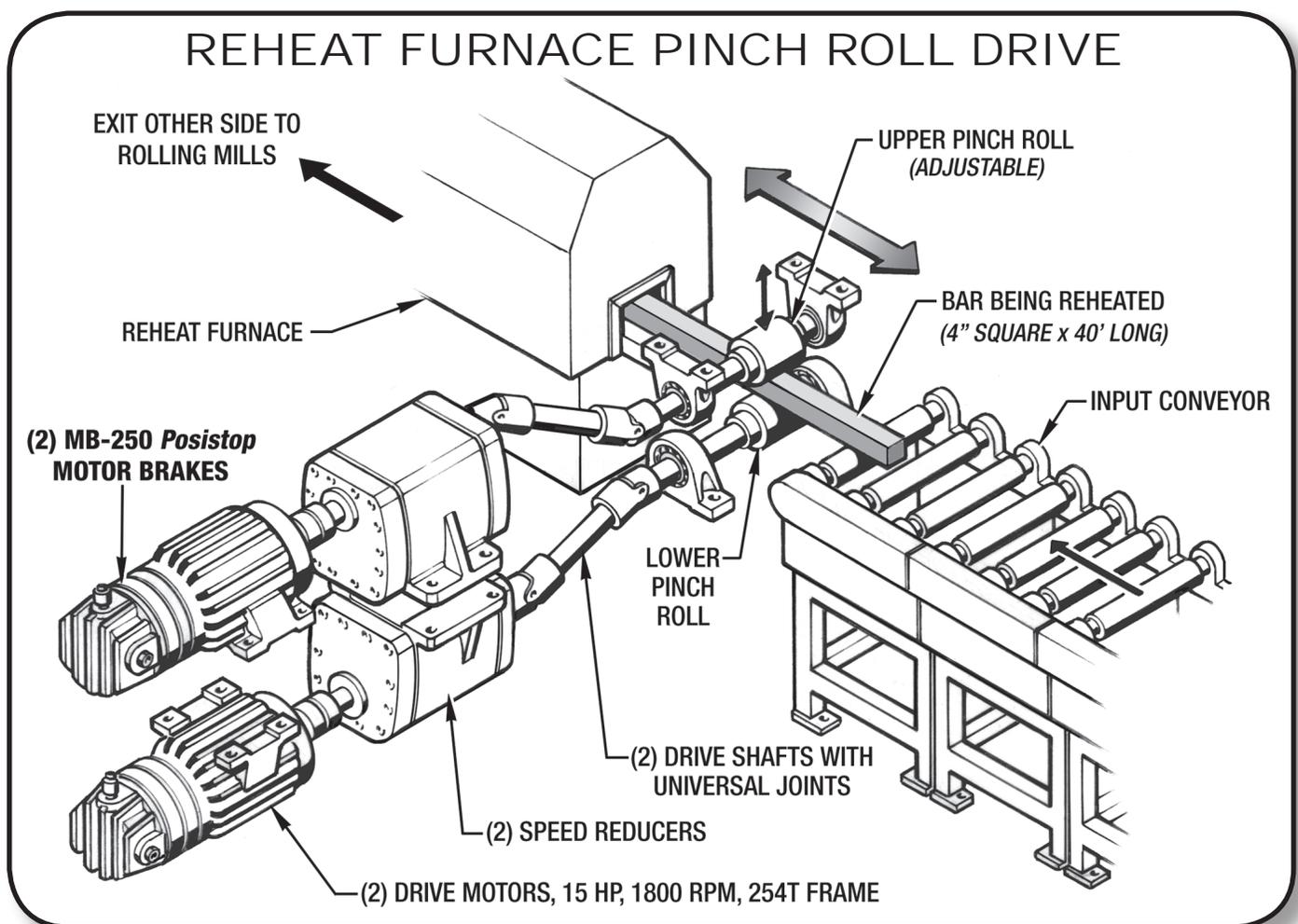
APPLICATION BULLETIN



APPLICATION: Reheat Furnace Pinch Roll Drive

INDUSTRY: Steel Mill, Mini Mill, Steel Reprocessing

PRODUCT: *Posistop* Motor Brake



REHEAT FURNACE MOTOR BRAKES

WHERE THEY ARE USED: The Reheat Furnace Pinch Roll Drive is found in Steel Mills and Steel Reprocessing plants when steel bar is reprocessed into other sizes and shapes.

HOW THEY WORK: Steel bars come from storage on the input conveyor. The pinch rolls drive the bar into the furnace and holds it there to heat up. Periodically, the pinch rolls drive in reverse to pull the bar out of the furnace and hold it to check the temperature of the bar. The process continues until the bar reaches the proper temperature. The bar is then driven all the way thru the furnace into another set of pinch rolls and into the rolling mills.

PROBLEMS SOLVED: The existing dry friction brakes were being effected by the dust, dirt, water, oil, and other substances inherent to the mill environment requiring constant repair and significant downtime. The large coil of the dry friction brake was compounding the problem because it attracted ferrous dust and scale. The **Posistop Motor Brake** was used to retrofit the application in the field quickly and easily. Constant repair of the dry friction brakes is eliminated. The **Posistop Brake** is totally enclosed, so it is not affected by dust and dirt from the environment. The **Oil Shear** technology makes the **Posistop Brake** very smooth, with precise stopping accuracy over long periods of time with no adjustments and very little maintenance required.

IMPORTANT FEATURES:

- Mounting features allow for simple retrofit in the field.
- **Oil Shear** Technology provides smooth and precise stops.
- Adjustments not required during the life of the brake.
- No expensive coils to wear out and replace.
- Totally enclosed, sealed design protects the unit from contaminants.
- Many sizes, up to 2030 Lb.Ft. torque.



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