

# APPLICATION BULLETIN

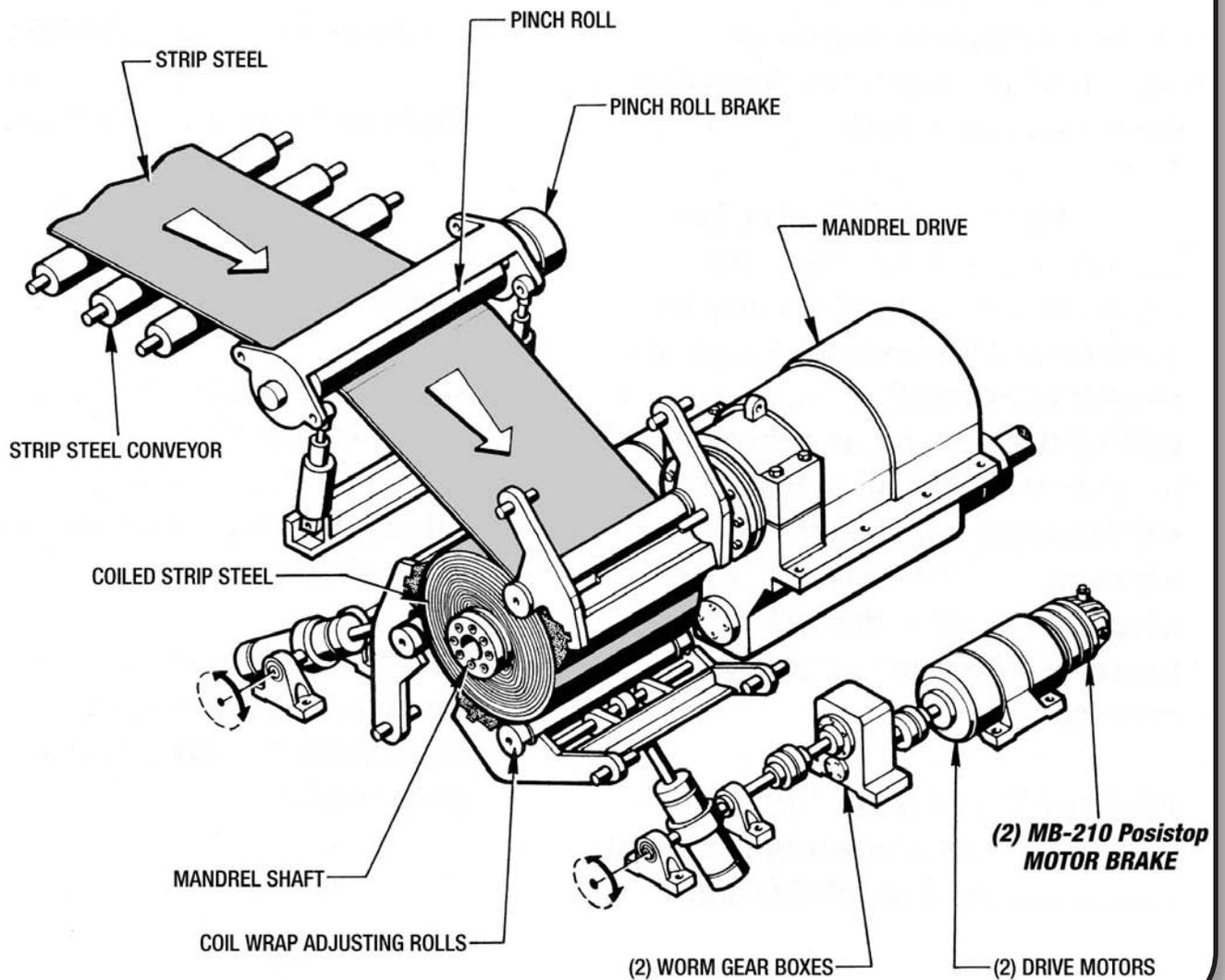


**APPLICATION:** Coil Wrap Adjuster

**INDUSTRY:** Hot Strip Steel Mill

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

## COIL WRAP ADJUSTER



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**WHERE THEY ARE USED:** At the end of the steel strip mill, the strip is run into a coiler which produces a coil of finished strip steel. As the strip steel is coiled, there are various devices used to control the coil wrap, keeping it straight and tightly wrapped. Most of these tensioning and wrap adjusters have a drive package that includes a motor brake.

**HOW THEY WORK:** The hot strip steel enters the coiler and begins to wrap around the mandrel. Tension and force must be applied to both sides and the face of the coiling steel. The gear reducer drive package with the motor brake is used to apply and hold the coil wrap adjusters. In some cases it is also necessary to allow the brake to slip to prevent damage to the drive package.

**PROBLEM SOLVED:** In this application, other motor brakes have been found to be unreliable and inaccurate. The unique design of the Force Control **Posistop** leads to its success in this application. The totally enclosed design allows it to perform very well in the extremely wet, oily, and dirty environment, unlike an open, dry friction brake. The unique operating characteristics of the brake also allow for the flexibility of various torque settings and the ability to provide a slight slip to the brake without damage.

### IMPORTANT FEATURES:

- The totally enclosed, sealed design protects the unit from contaminants.
- Very little maintenance required, except for periodic oil changes.
- Adjustable torque settings and brake slippage, if necessary.
- **Oil Shear** technology provides smooth and precise stops throughout the service life of the motor brake.



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