

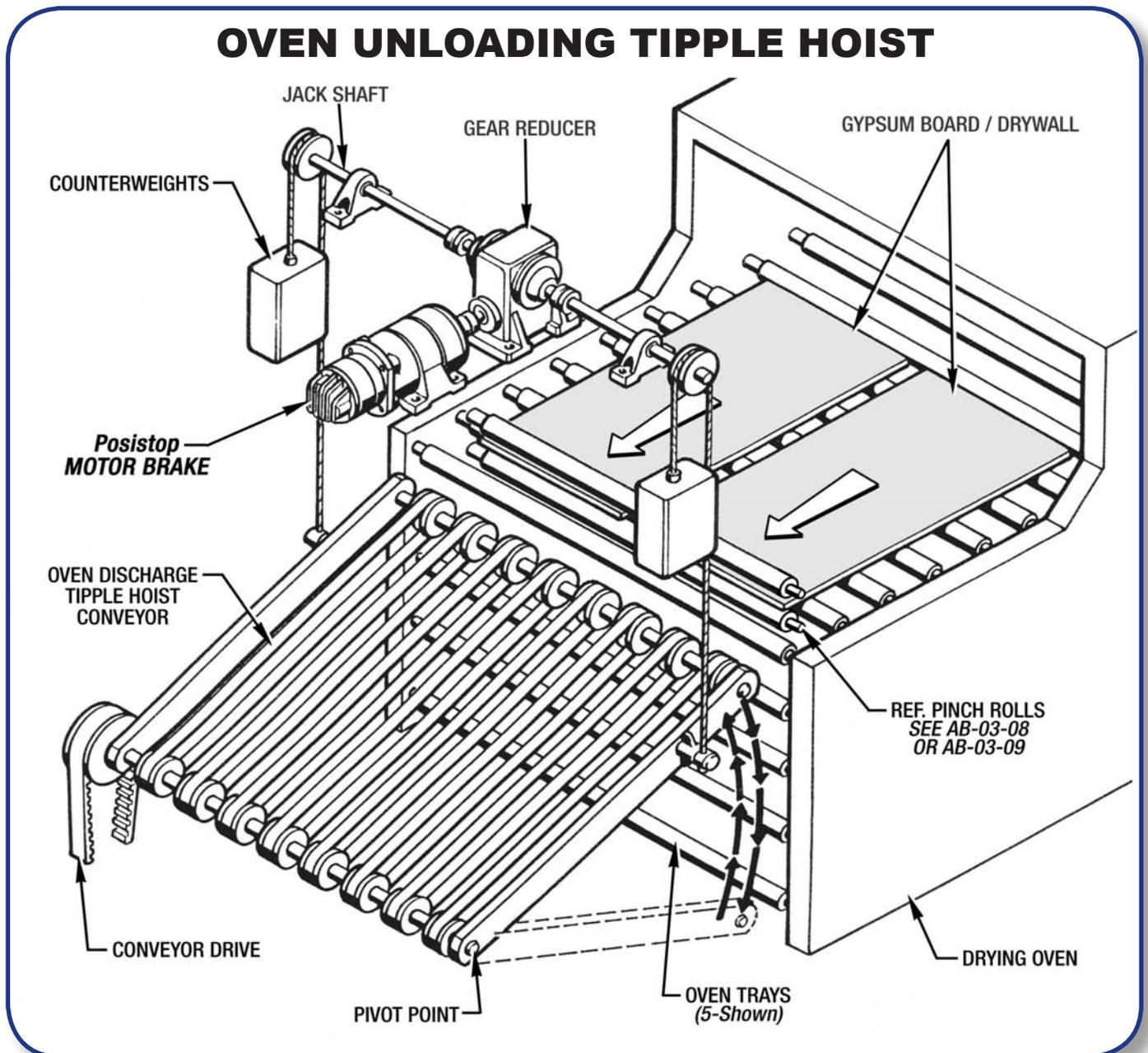
# APPLICATION BULLETIN



**APPLICATION:** Oven Unloading Tipple Hoist

**INDUSTRY:** Gypsum Board/Drywall Plants

**PRODUCT:** Posistop Motor Brake



# OVEN UNLOADING TIPPLE HOIST

**WHERE THEY ARE USED:** In the manufacturing of gypsum board or dry wall they are used to unload the drying oven.

**HOW THEY WORK:** The sheets of product have been dried and cured The Tipple Hoist is used to raise and lower a tilting or tipping conveyor so that the sheet product being manufactured is directed from one of several layers of curing conveyors to the dry end transfer. The **Posistop** Motor Brake provides the stopping and holding torque to position and hold the pivoting conveyor in alignment with the tray system conveyor which the gypsum board is being fed.

## **PROBLEMS SOLVED:**

1. These drives are usually required to index or cycle once for each 1-3 sheets of product being manufactured. Cycle rates of 700 to 1200 times per hour are not uncommon. The long service life of a Force Control **Posistop** Motor Brake reduces unscheduled down time and helps keep production running.
2. The tipples are often used to unload a curing oven so the ambient temperature is often high. The **Oil Shear** design of the **Posistop** provides higher thermal capacity than most dry friction brakes and withstands the environment easily.
3. The **Posistop's** totally enclosed design withstands contamination from the gypsum, and other material dust troublesome to other designs.

## **IMPORTANT FEATURES:**

- Advanced friction material provides excellent positioning accuracy required for correct alignment.
- Lubricated and cooled friction surfaces provide long service life.
- **Oil Shear** design provides high thermal capacity for withstanding hot and dusty environments and the high cycle rates the applications require.
- Superior collet - hub design overcomes keyway failures common to other brands.
- One size brake can be assembled to many different torque ratings.



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