

APPLICATION BULLETIN

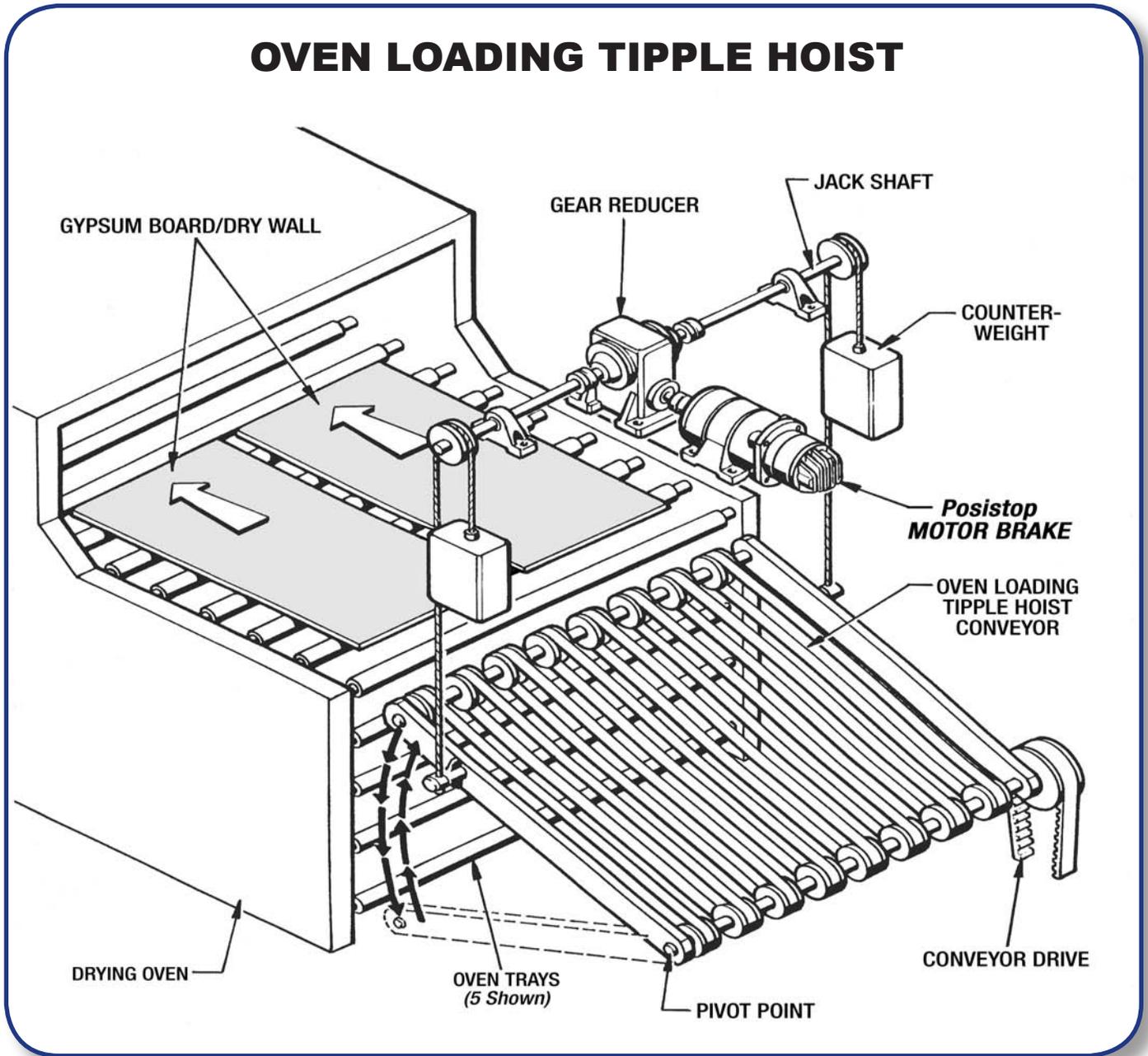


APPLICATION: Oven Loading Tipple Hoist

INDUSTRY: Gypsum Board/Drywall Plants

PRODUCT: Posistop Motor Brake

OVEN LOADING TIPPLE HOIST



OVEN LOADING TIPPLE HOIST

HOW THEY WORK: The sheets of product have been formed and are usually in an uncured or wet condition. The tipple hoist is used to raise and lower a tilting or tipping conveyor so that the sheet product being manufactured is directed onto one of several layers of curing conveyors usually called trays. The **Posistop** Motor Brake provides the stopping and holding torque to position and hold the pivoting conveyor in alignment with the tray system conveyor that the sheet product is being fed onto.

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

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 load 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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