

APPLICATION BULLETIN

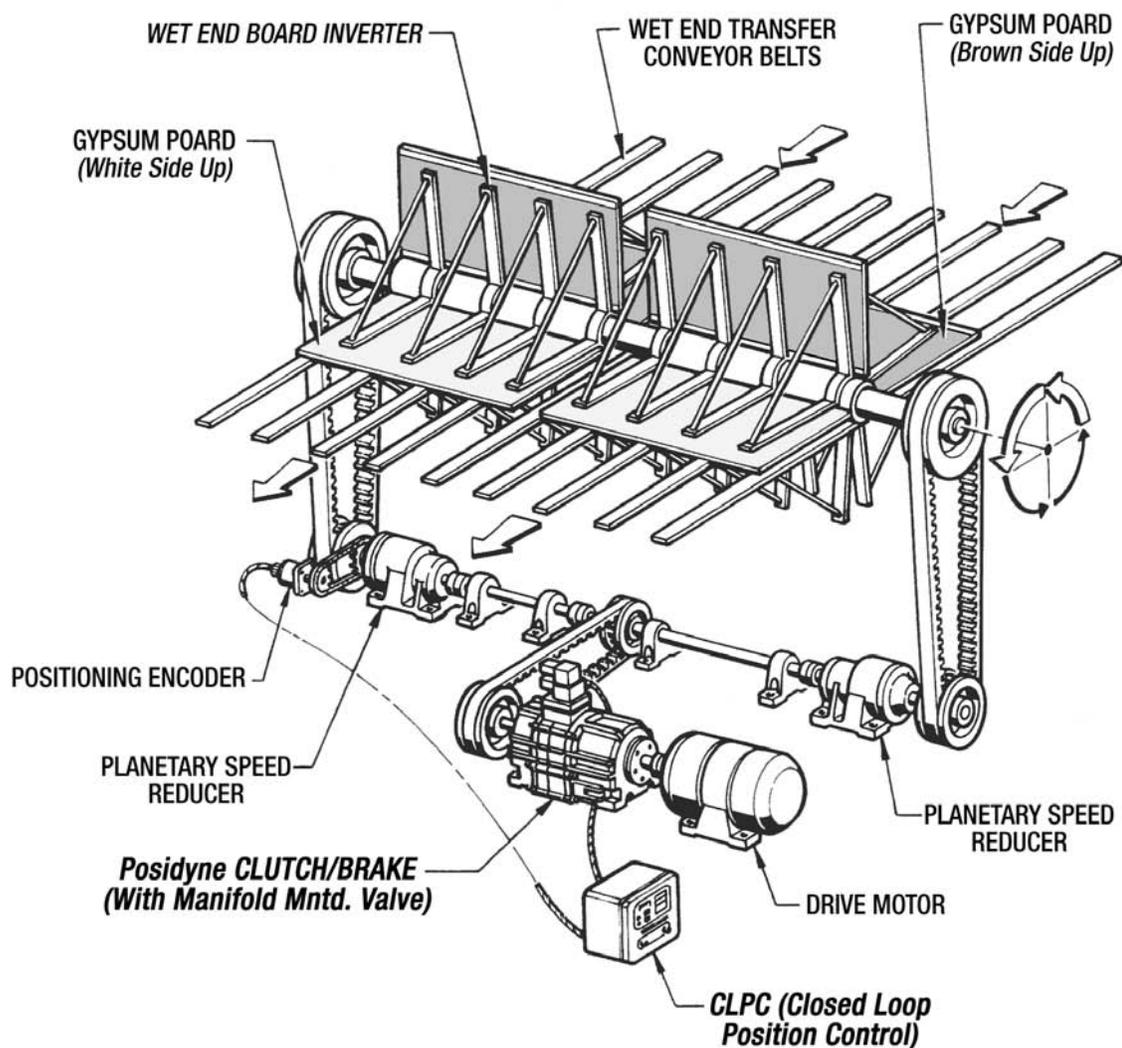


APPLICATION: Wet End Board Inverter (Alternate Method for AB-0305)

INDUSTRY: Gypsum Board/Drywall Plants

PRODUCT: Posidyne Clutch/Brake With CLPC

WET END BOARD INVERTER



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(Alternate Method for Wet End Board Turn-Over AB-0305)

WHERE THEY ARE USED: Gypsum board is made with the white side down, brown side up. Board Inverters are used at the wet end transfer to turn the board over from the brown side up to the white side up. This is necessary to prevent damage to the good side during drying and other handling.

HOW THEY WORK: This type is called an inverter. It is a frame of fingers, which has four openings. The inverter is indexed until one of the openings is level with the transfer table. The board is indexed into the opening and the inverter is indexed 90 degrees. This brings another opening into position. Another board is indexed into the inverter and it is indexed another 90 degrees. This now lays the first board down on the transfer to the drying oven. The process is continuous.

PROBLEMS SOLVED: The **Posidyne** clutch/brake with manifold valve and **CLPC** positioning control offers many advantages. One of the problems is accurate positioning due to inaccurate clutch/brakes, or Eddy current drives, and scan time in the controls. The **Posidyne** with oil shear technology is very consistent. The high speed **CLPC** electronic control offers very high speed response with no variation. With **Oil Shear Technology** the position accuracy remains constant day today, week to week.

IMPORTANT FEATURES:

- **Oil Shear Technology** offers a consistent stopping and starting for accurate positioning.
- Manifold mounted valve offers quick response for both the clutch and brake.
- **CLPC**-Closed Loop Positioning Control offers ultra fast response eliminating scan time Inaccuracies.
- Totally enclosed and sealed cast iron housing protects the clutch and brake from contaminates.



FORCE CONTROL INDUSTRIES, INC.

3660 Dixie Highway Fairfield, Ohio 45014

Phone: 513-868-0900 Fax: 513-868-2105

E-Mail: info@forcecontrol.com Web: www.forcecontrol.com