

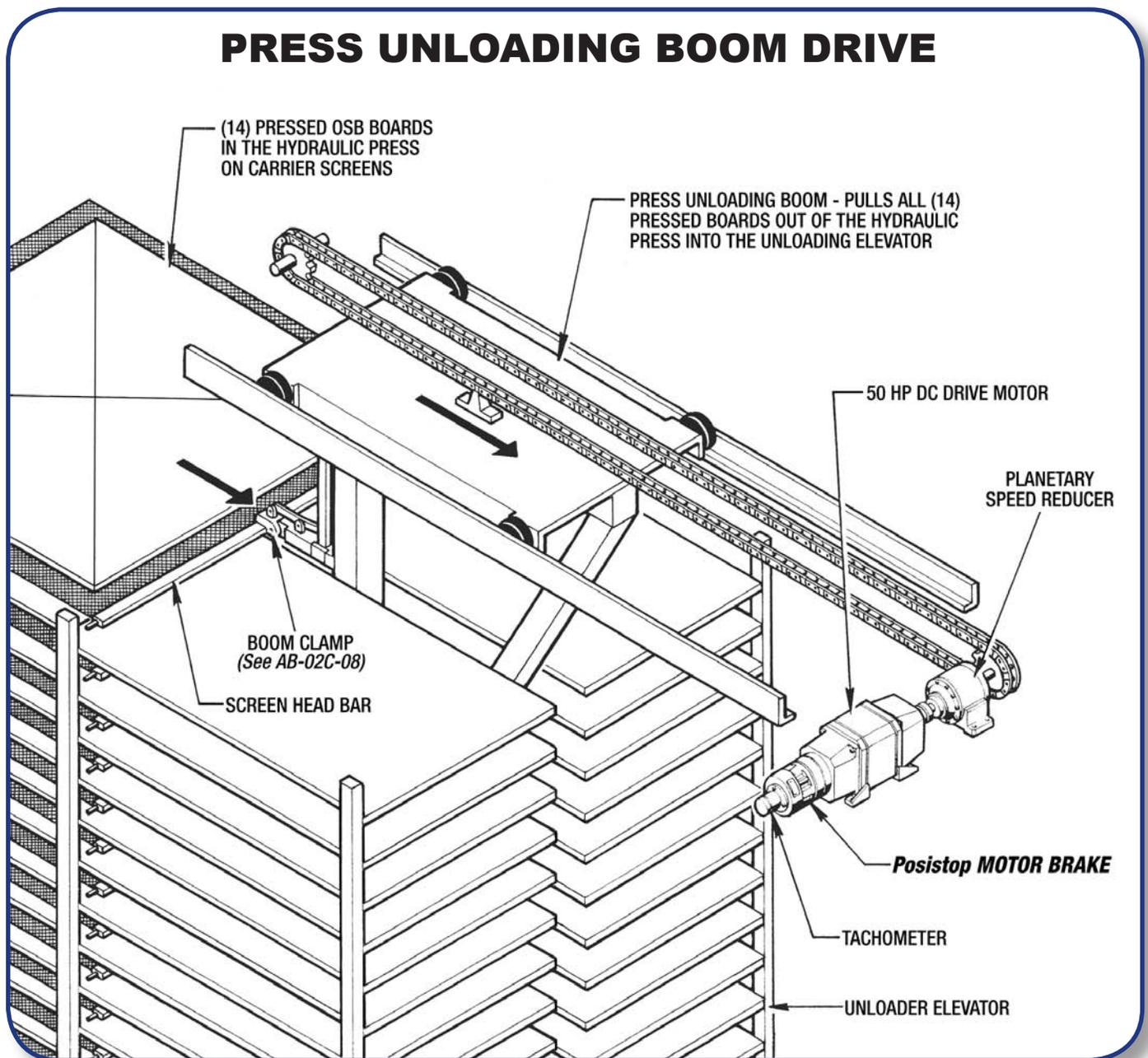
APPLICATION BULLETIN



APPLICATION: Press Unloading Boom Drive

INDUSTRY: (OSB) Oriented Strand Board Plants

PRODUCT: Oil Shear *Posistop* Motor Brake with Tachometer



PRESS UNLOADING BOOM DRIVE

WHERE THEY ARE USED: The Press Unloading Elevator Boom is located in the Press section of the OSB plants near the Press Unloading Elevator. The Boom is used to pull the pressed boards out of the press.

HOW THEY WORK: The Boom is driven by a DC motor with a **Posistop** Motor Brake and Tachometer connected to auxiliary end of the motor. The Boom moves in and out of the Unloading Elevator to pull the pressed boards out of the press and onto the Unloading Elevator. This operation takes place at the same time the Press Lug Chain loads fresh screens into the press. The Boom pulls all levels out of the press at the same time. The Unloading elevator then indexes up or down to discharge each board from the elevator.

PROBLEMS SOLVED: The main problem with the dry friction brakes is they mechanically fail frequently. The atmosphere around the forming line and throughout the plant is damp. The repetitive cycling of the brakes causes frequent failures. The brake and tachometer combination makes repair of the brakes difficult.

The Force Control **Posistop** Motor Brake puts an end to the monthly maintenance of the motor brakes. The **Posistop** Brakes are drop in replacement for many of the dry friction brakes that are typically used throughout the industry. The totally enclosed **Oil Shear** design of the **Posistop** brake provides a totally enclosed brake that is immune to the damp atmosphere and there are no flimsy mechanical linkages to fail due to repetitive use.

The end result is a brake that will easily install to replace the typical dry friction electric brake to provide a very reliable, long life, brake with no maintenance other than an annual oil change.

IMPORTANT FEATURES:

- **Oil Shear Technology** gives the **Posistop** motor brake extremely long life, as well as consistent stopping.
- The totally enclosed design provides a brake that is not effected by harsh environments.
- Special model brakes provide drop in replacements for several of the commonly used dry friction brakes. See models MB-250-210 and FB-11.



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