

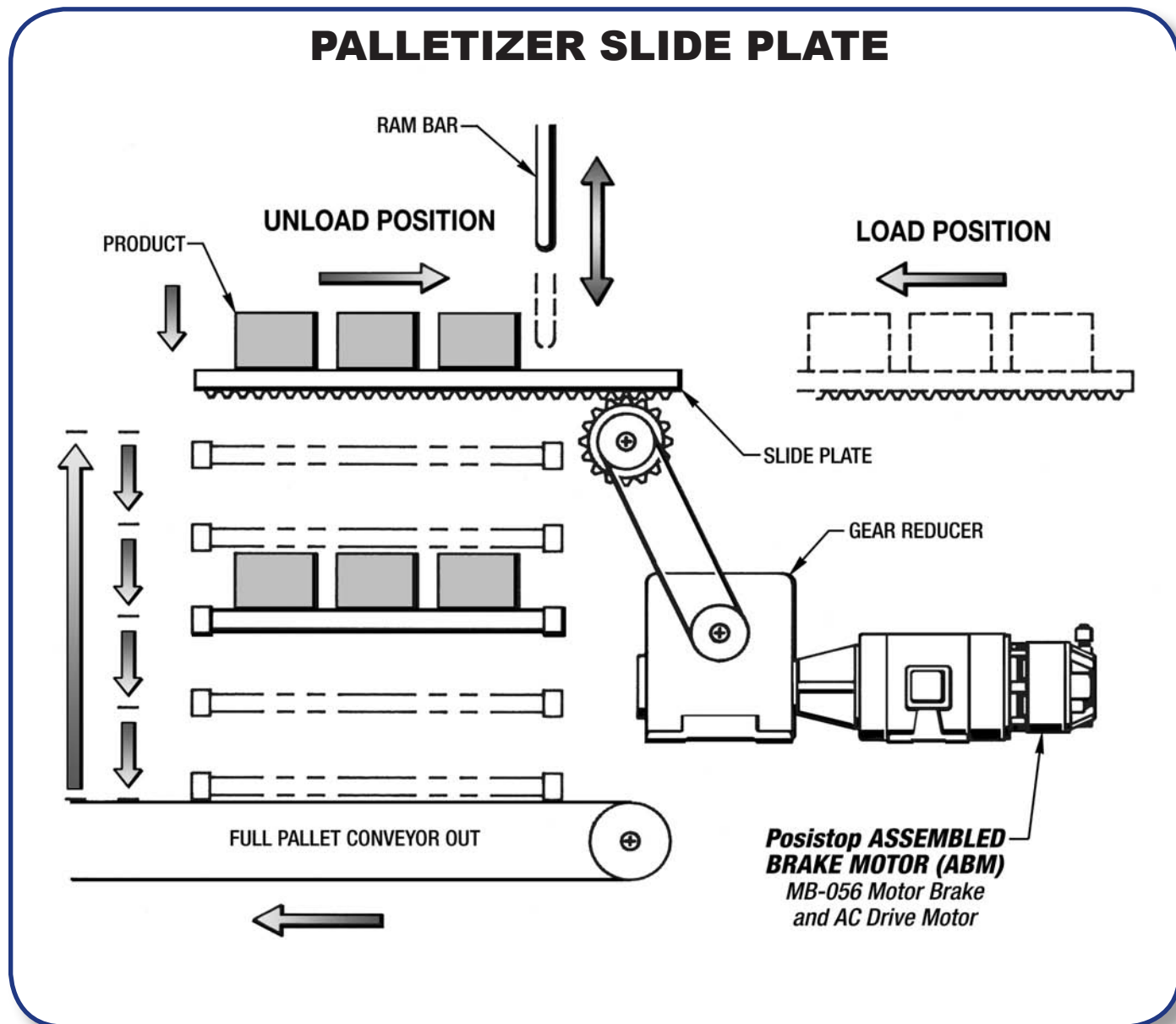
APPLICATION BULLETIN



APPLICATION: Palletizer Slide Plate

INDUSTRY: Packaging

PRODUCT: Posistop Assembled Brake Motor (ABM)



PALLETIZER SLIDE PLATE

WHERE THEY ARE USED: Bulk material packaging – cereal, grain. Flour, coffee, canned soft drinks, motor oil, detergent, bleach, etc.

HOW THEY WORK: Cases are moved down a conveyor to the load position. The Slide Plate slides under the cases. The loaded Slide Plate moves over to the unload position. The ram bar moves down to hold the cases in position. Then the Slide Plate moves out from under the cases and over to a new load. The ram bar moves back up out of the way while the palletizer hoist drive indexes down one position to allow new cases to be stacked on. When a pallet is full it will move onto a conveyor and the hoist drive will index back to the top to begin a new pallet.

PROBLEMS SOLVED:

1. COST - The **Posistop** Assembled Brake Motor is less expensive than the brake motor (dry friction brake), zero speed switch and dynamic brake which it replaced. The **Posistop** Assembled Brake Motor is much more durable requiring much less maintenance.

2. AVAILABILITY - The **Posistop** Assembled Brake Motor lead time is much shorter than the components it replaces.

IMPORTANT FEATURES:

- **Oil Shear** design provides high thermal capacity.
- Lubricated and cooled friction surfaces provide long service life.
- Advanced friction materials provide stable and accurate positioning.
- One size of brake can be assembled to many different torque ratings.
- Collet design used in **Posistop** hub to motor shaft connection eliminates rolled keyways.
- Multiple spring-set brake for added safety.



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