

APPLICATION BULLETIN

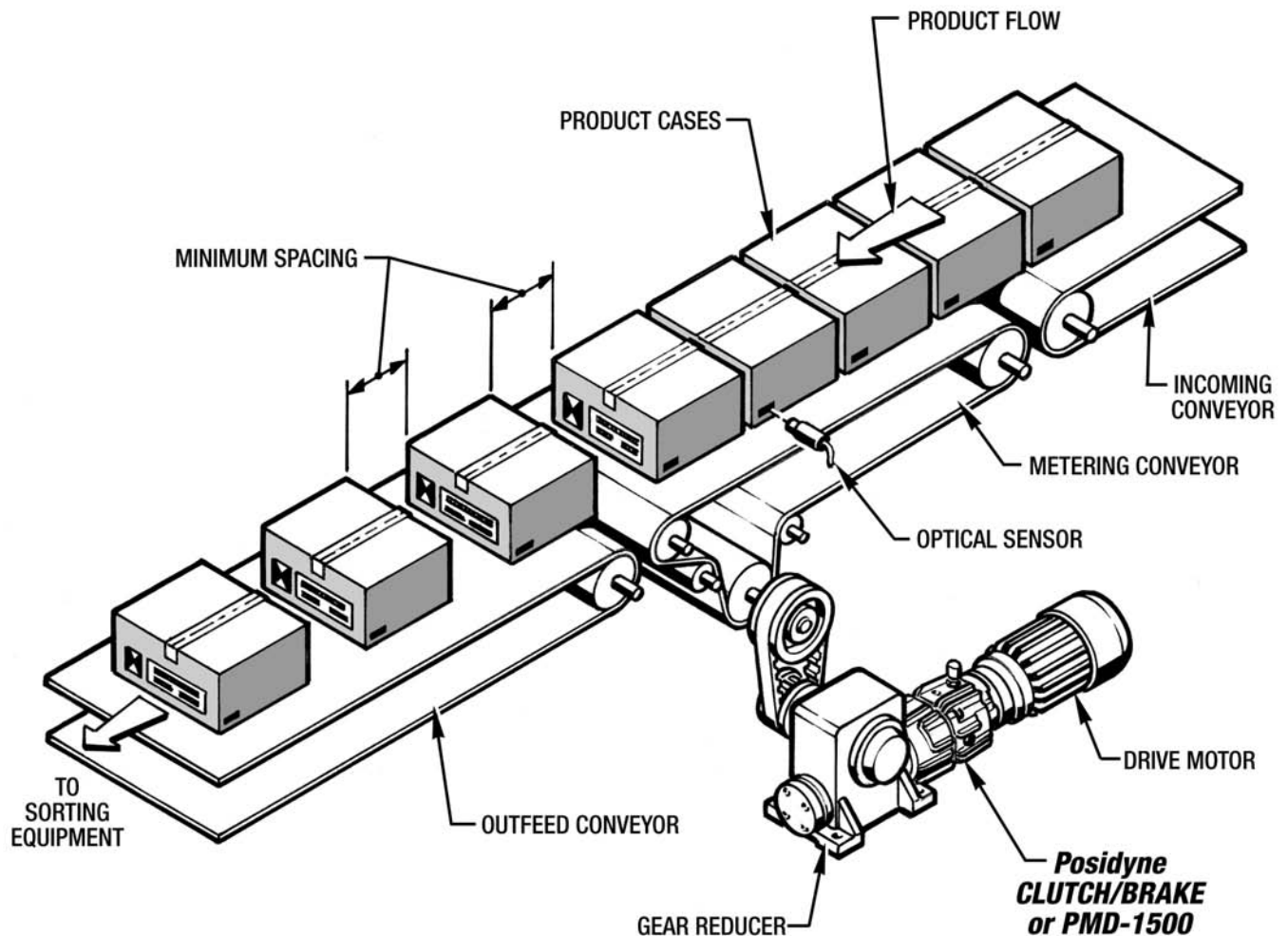


APPLICATION: Metering Belt (Brake or Sorting Belt)

INDUSTRY: Packaging

PRODUCT: Posidyne Clutch/Brake or PMD-1500

METERING BELT (Brake or Sorting Belt)



METERING BELT (Brake or Sorting Belt)

WHERE THEY ARE USED: Metering Belts are used at the packaging end of a production line where a minimum number of inches must be maintained between the cases so that the cases can be read by the scanning sorter.

HOW THEY WORK: An optical sensor, or proximity switch senses when the cases are too close together to be read by the sorting equipment. When this occurs, the **Posidyne** Clutch/Brake instantly stops to hold the next case until the previous case is moved far enough ahead. The clutch then re-engages and the next case continues down the conveyor line. Due to the inconsistency of case sizes and/or spacing as they move down the line, cycling can be continuous or sporadic. Typically, the high conveyor speeds and short spaces needed between the cases require quick reaction time and high cycle rates.

PROBLEMS SOLVED: The **Posidyne** Clutch/Brakes can handle the quick response and high cycle rates required. Consistency is important so the minimum space can be used without having misses, which can cause errors in product routing. Acceleration and deceleration can be adjusted so packages do not tip.

IMPORTANT FEATURES:

- Low inertia components for quick acceleration and deceleration.
- Air actuation provides convenient control of acceleration and deceleration.
- Multiple disc, **Oil Shear** technology for smooth precise engagements.
- Foot mounting or C-Face for quick easy installation.



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