

# APPLICATION BULLETIN

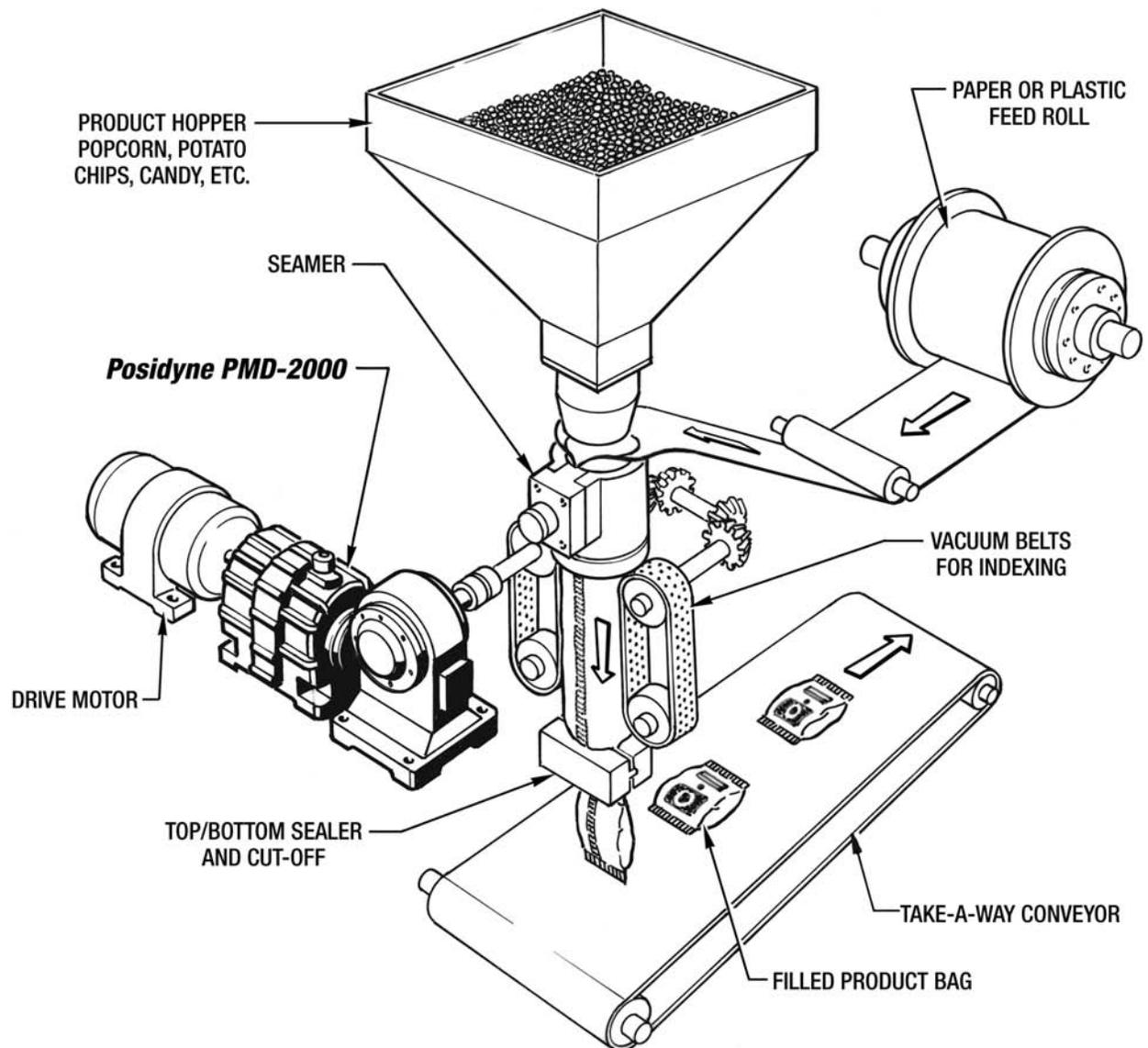


**APPLICATION:** Paper or Plastic Bag Filling Machine

**INDUSTRY:** Packaging/Food Processing

**PRODUCT:** Oil Shear *Posidyne* Clutch/Brake or PMD-2000

## PAPER OR PLASTIC BAG FILLING MACHINE



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**WHERE THEY ARE USED:** Paper, plastic, or laminated bag filling machines are used in food processing plants where products such as candy, popcorn, potato chips, pretzels, nuts, or other products are packaged in bags.

**HOW THEY WORK:** The package material is fed through a former/seamer, which forms the material into a continuous tube. The material is indexed through using vacuum belts driven by a Clutch/Brake. The Clutch/Brake indexes the material the length of one package. At each stop, a measured amount of product is dropped into the semi-finished bag from an overhead bin, and the top of the bag is sealed. The finished bag is then cut off and the top half of the seal serves as the bottom seal for the next bag. The index rate is set to match the free fall of the product so it will be in proper position when sealing takes place.

**PROBLEMS SOLVED:** The *Posidyne* Clutch/Brake is preferred for four main reasons:

1. The precise acceleration control allows for matching the free fall of the product.
2. The accurate positioning ability results in extremely accurate bag length.
3. The high cycle rate capability (90 cycles per minute and higher) increases production capacity.
4. The *Oil Shear* design of the *Posidyne* Clutch/Brake or the **PMD-2000** allows for continuous running 24 hours per day with low maintenance and repair.

### IMPORTANT FEATURES:

- Multiple disc, *Oil Shear* technology for long service life.
- Advanced friction material for accurate positioning.
- Air actuation provides controlled acceleration.
- Low cyclic inertia for quick response.
- Rugged, heavy construction for long service life.



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