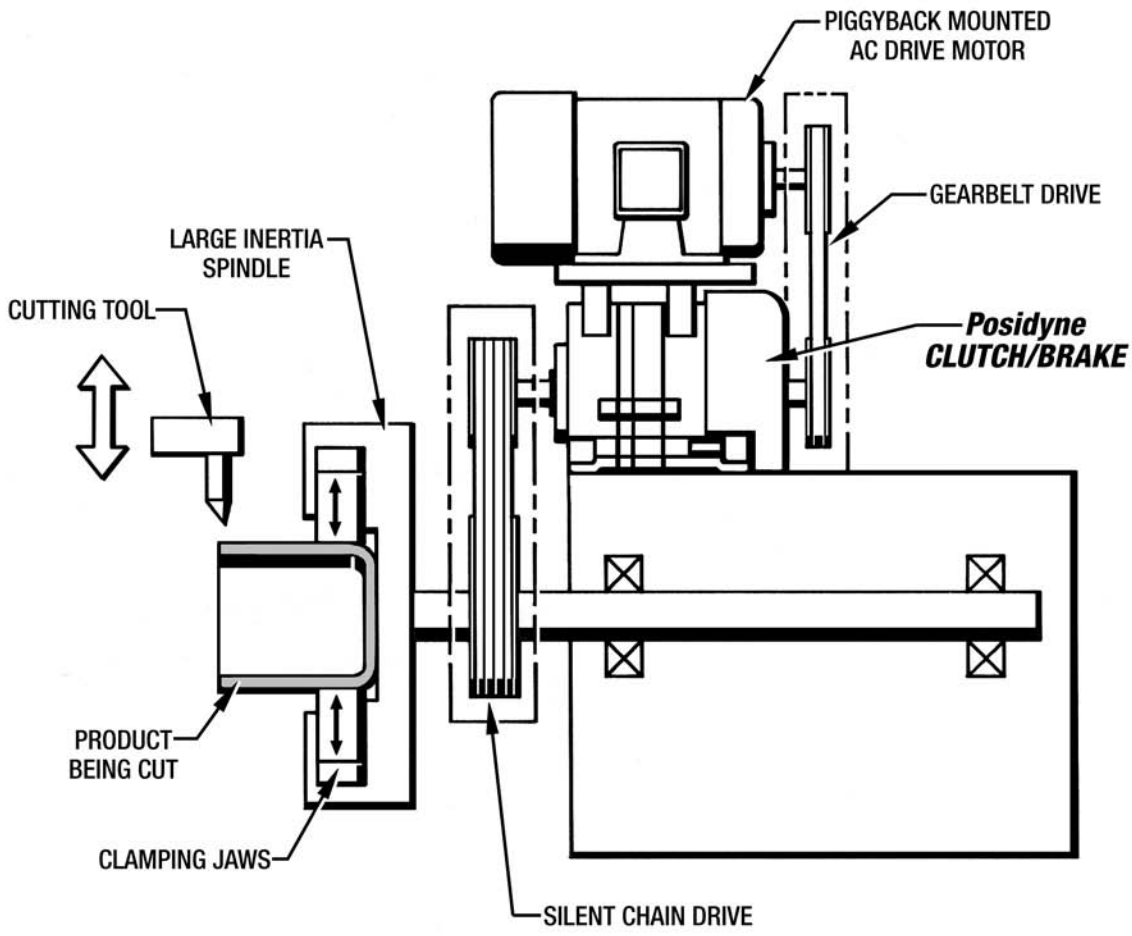
APPLICATION BULLETIN

APPLICATION: **Cut-Off Machine**

INDUSTRY: **Appliance Industry**

PRODUCT: ***Posidyne*** **Clutch/Brakes**

CUT-OFF MACHINE



CUT-OFF MACHINE

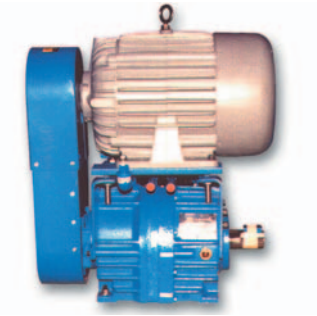
WHERE THEY ARE USED: Appliance, glass, automotive, motor manufacturer, compressor manufacturer, and miscellaneous manufacturing. The cut-off machine is used to cut off the rough flange left on a deep drawn can or other part, which needs the end cut-off.

HOW THEY WORK: The cut-off machine has a rotating head with internal clamping jaws to hold the part. The part is fed automatically from a rotary indexer to the spindle head. The part is secured in the clamping device, the spindle is accelerated to speed, the cutting tool is brought in to cut off the flange, the tool retracted and the spindle decelerated so the part can be removed. The cycle is, then repeated.

PROBLEMS SOLVED: The rotating spindle head is large in mass and diameter in order to hold the part and the clamping mechanism. This means a large WK^2, which must be cycled at rates up to 15 times per minute. The ***Posidyne*** can smoothly and quickly accelerate and decelerate the large inertia load while leaving the motor running. The controlled start allows lower motor horsepower, and less energy used while producing rapid safe starts and stops. Wear and tear on the drive train is reduced.

IMPORTANT FEATURES:

- S logic provides both controlled acceleration and deceleration by adjusting actuation pressures.
- ***Oil Shear*** technology for long service life and minimum downtime.
- Continuously running motor reduces energy consumption.
- High thermal capacity allows high enertia loads at high cycle rates.



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