

# APPLICATION BULLETIN

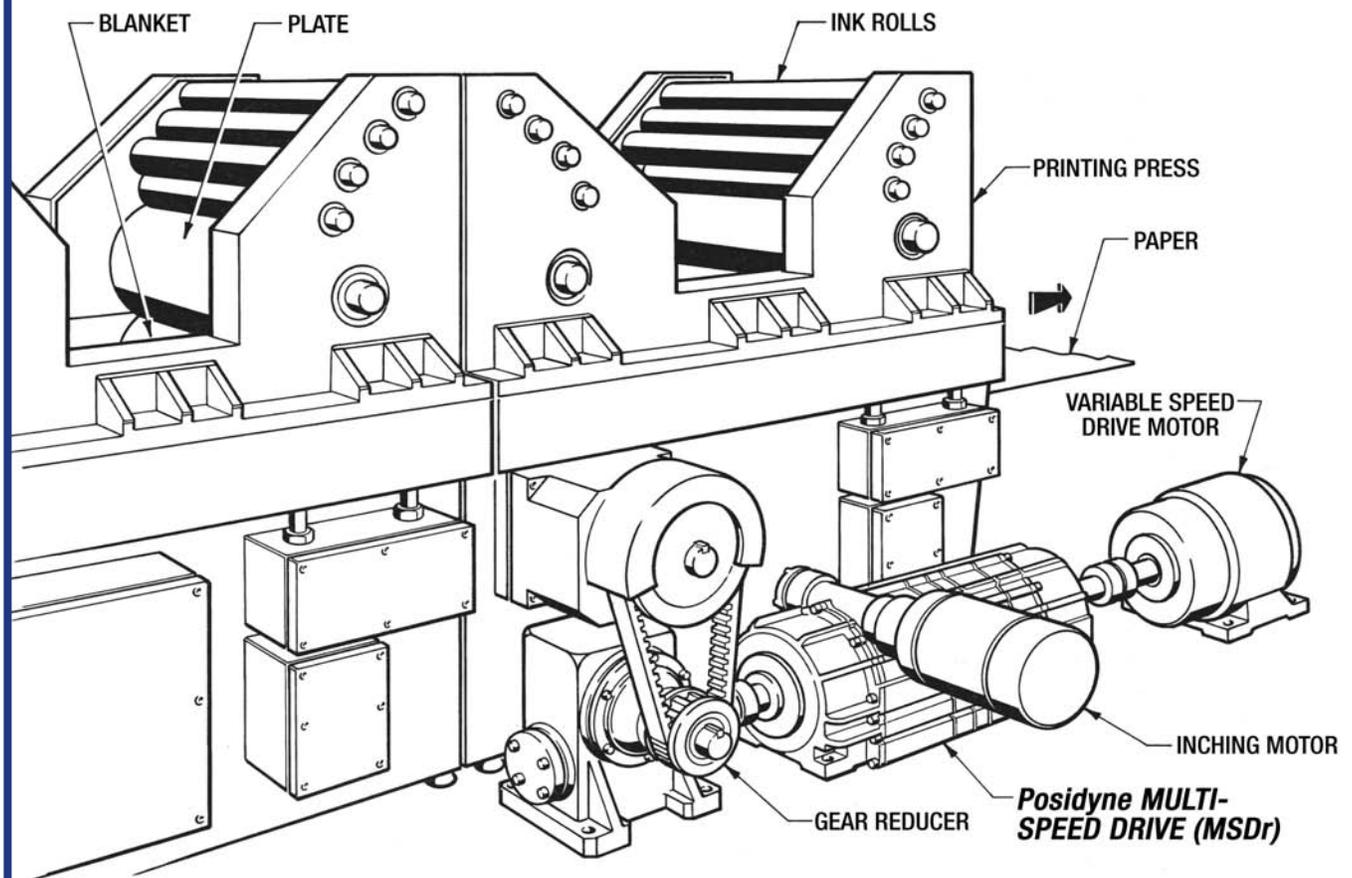


**APPLICATION:** Printing Press Drive

**INDUSTRY:** Printing Industry

**PRODUCT:** Posidyne Multi-Speed Drive (MSDr)

## PRINTING PRESS DRIVE



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**WHERE THEY ARE USED:** Any 2-Color, 4-Color, or 6-Color printing press.

**HOW THEY WORK:** The press is usually driven by a variable speed motor to provide the proper speed for the type of printing being done. During start-up or make-ready the press needs to be jogged to install the plates, make adjustments, clean the plates and blankets etc. The jog button is connected to the secondary clutch of the Multi-Speed Drive for a very slow inching drive. In the run mode the primary clutch is activated to run at the main motor speed.

**PROBLEMS SOLVED:** In order to hold register and deposit the exact amount of ink in the right place very special and expensive low backlash gears are used in the drive train between rolls and the stands. The jog on many presses actually works at the main drive speed and is very harsh on this special gearing causing poor printing quality and reduced life. The **Posidyne** Multi-Speed Drive (**MSDr**), with its very slow inching speed will greatly reduce this shock on the gearing. Also, the torque can be controlled to the secondary clutch by controlling actuation pressure, therefore reducing even further the effect on the gears.

### IMPORTANT FEATURES:

- Slow speed inching drive for set-up and make ready and high speed main drive in one compact package.
- Controlled torque for smooth acceleration on both the primary and secondary clutches for improved press life.
- Totally enclosed to eliminate contamination from water, dust, dirt etc.
- Multiple-Disc **Oil Shear** technology with advanced friction material for smooth positive engagement and extremely long life.



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