

# Temposonics®

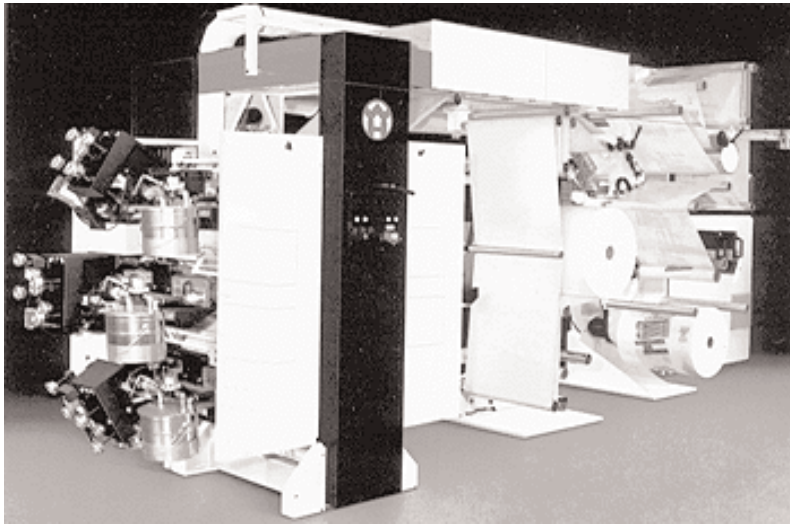
Magnetostrictive Linear-Position Sensors



Paper and Plastic Film Converting

550863 B

## Application Idea



MTS Temposonics position feedback sensors are used in a wide variety of paper and plastic film converting applications from winders/unwinders to slitters, even on flexographic printing machines. In the roll winder application, our sensors are used to control how the paper or film is wound and tensioned on the primary roll. In addition, sensors are used to facilitate the automatic changeover between finished and bare rolls. In this application, our flexible sensors allow customers to simplify the mechanical design and the electronic control of the changeover mechanism.

### Overview

**Application:** Position feedback of upper roll for setting gap between rollers, bottom roller is typically fixed.

**Benefits:**

- Superior response and accuracy result in improved consistency from changeover to changeover, reduced setup time and helps prevent roll damage.
- Superior EMI and noise immunity ensure trouble free operation in a wide range of applications.
- Simultaneous multiple position sensing capability reduces total number of sensors required for multiple rolls.

**Sensors Used:**

- Temposonics G and R-Series (rod, profile and flex) style sensors.

All specifications are subject to change. Please contact MTS for specifications that are critical to your needs.

**Part Number: 08-05 550863 Revision B**  
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All Temposonics sensors are covered by US patent number 5,545,984.  
Additional patents are pending.  
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