

COIL CONTROL

CoilControl.com
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Laser Loop Control

A revolution in coil material loop sensing

Our Laser non-contact Loop Control provides a drop-in replacement for most loop arm and ultrasonic loop controls. Stable material loop control provides a constant payoff rate to both uncoilers and straighteners enabling higher production rates and better material utilization.



Works in Any Environment

Coil Control's new Laser Material Loop Control provides non-contact control of continuous material payout for the metal stamping industry. The laser loop control has many advantages over other loop controls:

- Operation in any lighting condition and **virtually any production environment**.
- **Unaffected** by high-pitched noise from fluorescent lights (unlike ultrasonic sensors).
- Provides **stable output** even under huge temperature swings often caused by opening overhead doors in winter.

Easy Setup

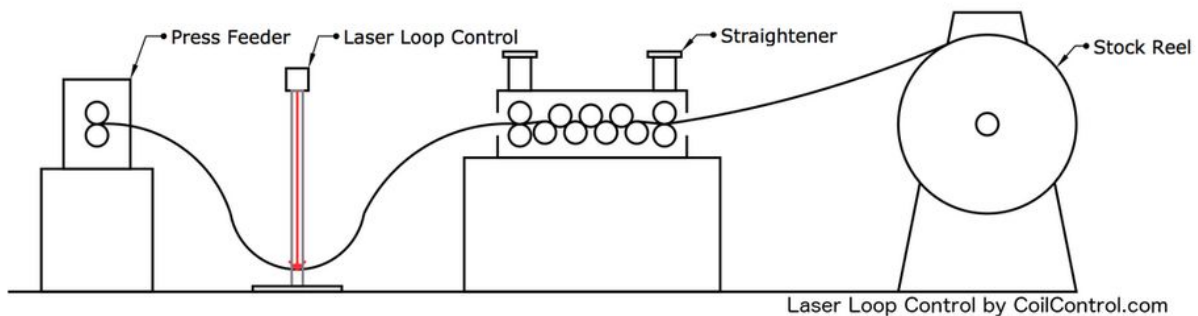
Set up of the laser material control is fast, simple and **does not require any programming**. A large 4-digit alphanumeric display with simple push buttons are used to set up device parameters.

The unit can provide a **0-10VDC or 4-20mA analog signal** to control the variable speed drive of the straightener or stock reel. The analog signal can be scaled to operate with material **loop sizes from 24" to 240" deep**. A tight loop relay output interlock is also provided which can be used for die protection.

Superior Reliability

Rock solid. **Tested in industrial workplaces**. Units in operation in Canada, USA and Mexico.

The industrial design of the Coil Control's Laser Material Loop Control utilizes SoC (system-on-chip) design for **superior reliability in the most brutal of operating environments** found in the coil metal processing industry.



The above image depicts a typical customer setup utilizing a Laser Loop Control to modulate the speed of the straightener by measuring the loop between the straightener and press feed.

Details

Coil Control's Laser Loop Control System is designed to measure distance based on the "time-of-flight" principle. Each transmitted photon travels at a constant rate to the target and back to the sensor. The measured time is directly proportional to the distance traveled.

For more information or to order contact:

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