

Press Release

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Efficient process control using laser speed and length sensors

Precise speed and length measurements are critical for controlling the production of continuous materials, sheet materials and piece goods. ProSpeed® LSV-1100 and LSV-2100 – the next generation LSV Laser Surface Velocimeters – optimize production processes by providing precise, reliable measurements that increase production throughput and output worldwide in the metals, building construction materials, cable, converting and many other industries.

Sustainability is one of the most highlighted topics in the mission statements of leading industrial companies as they strive for more energy efficient and cost-effective manufacturing. The new ProSpeed® Laser Surface Velocimeters improve process control and production efficiency for greater sustainability and responsible manufacturing. It's precise, repeatable, and reliable measurements result in less scrap and increased throughput by optimizing production processes such as Cut-to-Length of materials, Length Verification, Stretch/Elongation, Total Footage Count and more.

ProSpeed® – the next generation LSV Laser Surface Velocimeters – are essential in optimizing production processes to increasing manufacturing output while improving sustainability. The ProSpeed® LSV-1100 optical sensor measures positive speed/velocity and length with laser precision. It measures reliably with working distances up to 1.5 m, even under harsh production conditions. Due to the non-contact measurement principle, these laser sensors eliminate common problems of traditional contact-wheel measurement methods such as damage to delicate surfaces, slippage and thermal expansion and work on almost any surface.

Sensor integration and control with enhanced connectivity

The enhanced connectivity of the next generation sensor ProSpeed® LSV-1100 provides access to configuration and process data – anywhere and anytime. Increase your flexibility and get direct feedback through touch display. Easily adjust parameters via web interface and allow concurrent data access with Ethernet and serial interface for up to four users or systems. For automated PLC-controlled processes the integrated EtherNet/IP and PROFINET interfaces allow an easy integration of the sensors into production control systems.

Publication free of charge

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