

# Press Release

Date: September 2011  
Enclosure: jpg.  
Reference number: PR-0106-CPE-090911-LSV2

## **New Non-contact Length and Velocity Sensor: Compact, Cost-effective, and Accurate**

The LSV-2000 Laser Surface Velocimeter is the latest member of Polytec's compact instrument class. Housed in the same casing as the successful LSV-1000, the LSV-2000 determines the direction of motion (forward or reverse), as well as, measures to standstill condition ( $v=0$ ). This makes it ideal for applications such as footage counting on a take-up reel where the material may frequently start/stop, or for applications requiring product positioning such as in cut-to-length process lines. The direct, non-contact measurement of product length and speed, coupled with the high precision, reliability and consistency of the LSV-2000 enables users to fully optimize the production process and hence, save costs.

The new optical system design offers depths of field and velocity ranges that are independent of the sensor standoff distance. This leads to significantly more application possibilities, especially for sensors with short standoff distances. For example, in the event of varying material thicknesses or varying pipe diameters, a shorter standoff distance, with the new, larger depth of field, may well meet the process requirements, rather than using a sensor with a long standoff distance. Thanks to its compact design the LSV-2000 is perfectly suited for use in small spaces, such as in C-Frame Thickness Gauges for rolling mills or scanning systems in paper mills and film processing lines. In addition, the LSV-2000 offers accessories for use in hostile environments. Air wipes, water-cooled plates and rugged, fully water-cooled housings are some of the accessories available for applications in dirty, dusty or high temperature process areas.

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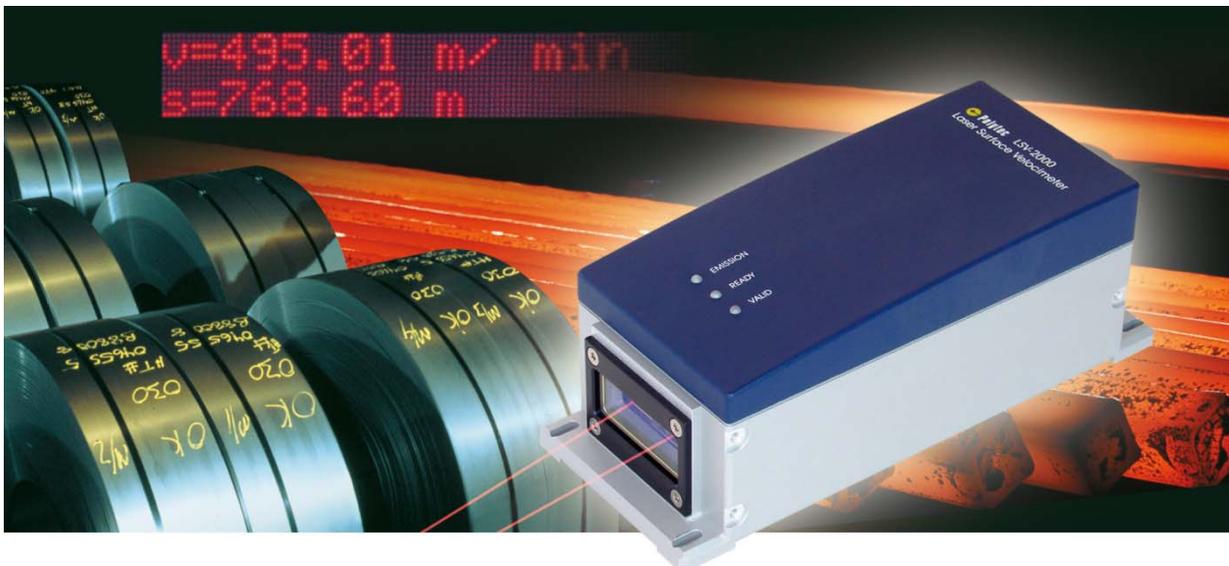
For questions please contact  
Christina Petzhold  
Tel. 07243-604-368

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When used as a footage counter, Laser Surface Velocimeters allow users to reliably reduce process scrap through accurate and precise length measurements, enabling process optimization to ensure a fast ROI. Likewise, accurate and repeatable measurement of material speed at two points (differential speed measurements) enables users to reliably measure and control process parameters for achieving specified material properties and quality, as is the case in applications such as mass flow, elongation, stretch and draw.

For more information: [www.velocimeter.us](http://www.velocimeter.us)



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