

Press Release

Date: February 2012
Enclosure: pic.
Reference: PR-0012-CPE-300112-STRA

Significant Improvement of Cut Length Tolerance in Continuous Caster with LSV from Polytec

Laser Surface Velocimeters (LSV) are high precision sensors, designed to directly measure the surface speed and length of a moving material without contact. The laser based measurement principle eliminates the maintenance and process issues typically associated with contact measurement methods, such as slippage, wear & tear and changing wheel diameter due to temperature variations. In addition, the LSV eliminates the need for recurring process calibration as is often the case with contact measurement techniques.

In particular, the LSV is uniquely designed to offer high precision, reliable strand length & speed measurements for applications on continuous casters. Considerable improvements in cut length accuracy and long term repeatability, as compared to contact measurement methods, have been realized, thus improving yield at the caster and the rolling mill. This, coupled with a significant reduction in maintenance time and effort, provides an excellent return-on-investment.

For more information on describing the use of the Polytec LSV systems on continuous casters, please visit www.velocimeter.us.

Publication free of charge

For questions
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(Authority: P. M. Nawfel, Improving Cut Length Tolerance and Long Term Consistency In Continuous Casters with Laser Velocimeters. AIST Iron & Steel Technology Conference and Exposition, 2–5 May 2011, Indianapolis, Ind., USA).



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