

Beta LaserMike Showcases Non-Contact Laser Measurement Solution at Aluminum China 2010

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Beta LaserMike's LaserSpeed system for accurately measuring length and speed of product takes center stage at Asia's largest aluminum show

Beta LaserMike, the leading global provider of precision measurement and control solutions, will demonstrate its family of LaserSpeed non-contact encoders at Aluminum China 2010. Visitors to booth 5H07 in Hall W5 will see first-hand why LaserSpeed is a critical asset for controlling production costs and improving process control for the aluminum industry.

The LaserSpeed encoder uses advanced, laser-based technology to precisely measure the length and speed of product in aluminum manufacturing without ever touching it. This laser encoder projects a unique pattern on the surface of the product. As the product moves, light is scattered back to the LaserSpeed unit. This information is translated into product speed and pulses are produced to determine the product length. Length and speed measurements are captured with better than +0.05% accuracy. Since LaserSpeed uses no moving parts and is permanently calibrated, it is the ideal replacement for contact tachometers which are prone to measurement errors caused by slippage, dirt build-up, and day-to-day wear problems in metals manufacturing.

Beta LaserMike will be exhibiting both the LaserSpeed LS8000 and LS9000 series in various environmental housings for a wide range of demanding aluminum manufacturing applications.

• LS8000 Series: Precisely measures length and speed at distances ranging from 300 mm to over 2,500 mm (12 in. to 98.4 in), and speeds up to 2,000 m/min (65,000 ft/min.)

• LS9000 Series: Based on the LS8000 technology, measures zero speed and automatically detects forward and reverse direction

• LS8000E/9000E: LaserSpeed is enclosed in a rugged environmental housing for double-sealed protection of hot and hostile environments

â€¢ LS8000X/9000X:LaserSpeed is enclosed in a stainless-steel housing for the toughest, extreme environments where heavy steam, mist, and spray occur

Both the LS8000X/LS9000X come equipped with an air wipe/quick change window and air purge system to keep the system clean and laser path clear for proper measurements and maximum uptime. A number of accessories are also available to meet specific operating and production requirements.

For more information on Beta LaserMikeâ€™s LaserSpeed encoder, visit www.laserspeedgauge.com