



Optical roughness measurement attracts increasing interest

EMG Automation GmbH, Wenden, Germany, received an order for the delivery of a double-sided EMG SORM 3plus system from Erdimir, a leading steelmaker in Turkey. In contrast to the traditional stylus method for testing strip steels, the optical system from EMG detects on-line the surface roughness of cold rolled steel strips during the production process on moving strips. A production line need not be stopped for a surface quality check. The system

is designed for production speeds up to 2.4 m/minute and provides reliable roughness data. EMG SORM 3plus is also ideal for high-speed production lines. Using this system, Erdimir produces about 3 million metric tons of crude steel yearly and expected to achieve production capacity of 7 million metric tons/year by 2007. Another double-sided EMG SORM 3plus system will be supplied to Wuhan Iron & Steel (Group) Corp. (WISCO), one of the largest steelmakers in China. The delivery contract for this measuring system was made possible through SMS Demag, which supplies a hot dip galvanizing line and a continuous annealing line for WISCO. On these two new lines, automotive-quality steel will be produced, and a double-sided EMG optical measuring system will check the surface roughness of the strip steels on each line. The delivery of the EMG SORM 3plus system to WISCO was scheduled for May 2005.