Press release

No. 565e



Press releases

Download

**Reliable geometrical inspection of long products in the metal industry**

**The dimensionCONTROL Metal Profile Gauge offers new possibilities for process control and quality assurance in metal production. The system performs precise geometrical inspection of long products in harsh industrial environments. The respective sensor technology can be freely chosen which also allows the system to be perfectly adapted to every application. In addition, the system is available with water cooling. The dimensionCONTROL system generates real 3D measurements and offers a comprehensive software package for monitoring and optimizing production.**

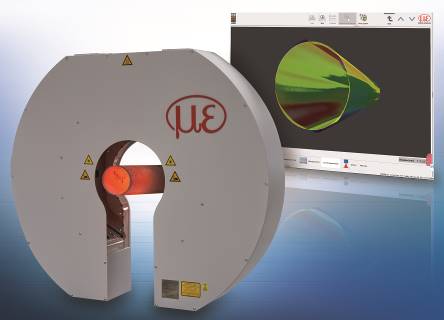
In automatic profile measurements of steel, aluminum and non-ferrous metal long products, the dimensionCONTROL Metal Profile GAUGE (MPG) from Micro-Epsilon is used. The system with horseshoe frame can be easily integrated into the production line to save space.

It performs real, high-accuracy 3D measurements and is designed to meet the specific requirements of the metals industry. This includes harsh environmental conditions with dirt, dust and temperature fluctuations.

As it’s possible to equip the dimensionCONTROL MPG with either precision micrometers or red and blue laser profile scanners, the system can be optimally adapted to the respective measurement task. Pneumatic protection is available for the sensor lenses. For material temperatures above 1,000 °C, additional water cooling is available. To compensate for mechanical long-term temperature drift, an integrated and fully automatic calibration is performed.

The system is used along the rolling mill for process control, quality assurance and good-bad part assessment. Profile measurements can be made in both hot and cold rolling areas.

approx. 1,700 characters including spaces



(PR563\_dimensionCONTROL \_18x13.jpg)