More Precision

thicknessCONTROL MTS 9202.LLT // Thickness measurement in hot rolling mills
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The new generation of thickness laser gauges, the thicknessCONTROL 9202.LLT stands for exceptional performance and overcomes the challenges of one of the most difficult applications for optical thickness measurements. The C-frame-shaped systems are designed for use in hot rolling mills. They are resistant to harsh environmental conditions and provide high precision results in different operating modes.

Sequential measuring ranges for more precision and process reliability
The thicknessCONTROL MTS 9202.LLT-400/xxx models are equipped with a special triangulation sensor which provides two sequential measuring ranges. This perfectly covers the varying thicknesses of the rolled material enabling increased measurement accuracy with thinner material. In addition, this innovative approach ensures significantly increased process reliability due to a very large distance between the pass line and the upper beam.

- Material thickness up to 400 mm
- Measuring thickness/thickness profile
- High accuracy with very large operating range
- Comprehensive software
Intelligent measuring mechanics for high temperatures

The mechanics of the MTS9202.LLT series is designed to partially compensate for changes induced by temperature gradients. In addition, a network of temperature sensors controls the state and stabilizes the measuring range using powerful signal processing. An additional, regulated cooling register and deflector plates even enable use in steel hot rolling mills at material temperatures of 1200 °C.
High performance sensors made by Micro-Epsilon

Sensors and systems for displacement and position

Sensors and measurement devices for non-contact temperature measurement

2D/3D profile sensors (laser scanner)

Optical micrometers, fiber optic sensors and fiber optics

Color recognition sensors, LED analyzers and color inline spectrometer

Measurement and inspection systems