

New Rotating SMR Gauges from ZUMBACH

for High Speed Dimension Measurement in Hot Rolling Mills.

ZUMBACH Electronics of Switzerland presents the latest addition to their line of STEELMASTER gauges.

The new SMR product line offers novel and significant advantages over other gauges, when it comes to fast and accurate capture of dimensions in longitudinal and radial direction.

SMR gauges rotate continuously at 100rpm. Up to 3 ODAC[®] laser heads take 2000 measurements per second and head, fully synchronised. This results in up to 10 complete profiles per second, which is faster than other gauges before.

Alternatively, the SMR can operate in static, orientable mode with 2000 diameter resp. dimension measurements/s in each direction (at 100m/s this means a set of measurements. every 50mm)

The mechanical concept is extremely simple and robust; no wear parts, no collector rings, no brakes, etc. The transmission of power and signals to and from the laser heads is fully contactless. The maintenance for SMR gauges is close-to-zero.

The STEELMASTER software has latest features, such as:

- EPM function for true section display, also with polygonal and asymmetric shape deviations.
- Special functions for 3-roll mills
- Head and tail scrap calculation
- Flexible, personalised screens

Key Data

Products:	Rod, Bar, Rebar, Rounds, Square, Flats, Hexagons, Profiles,
Diameter range:	4mm (.16 in.) up to approx. 135mm (5.3in.)
Measurement rate:	2000/s/head
No of laser heads:	1 up to 3
No of full profiles in rotating mode:	Up to 10/s
No of measurements in static mode:	2000/s/head

...see page 2 for pictures

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For immediate release

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STEELMASTER SMR 100 measuring unit

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