



STRAIGHTNESS CHECK

QUALITY CONTROL FOR LONG PRODUCTS



STRAIGHTNESS CHECK

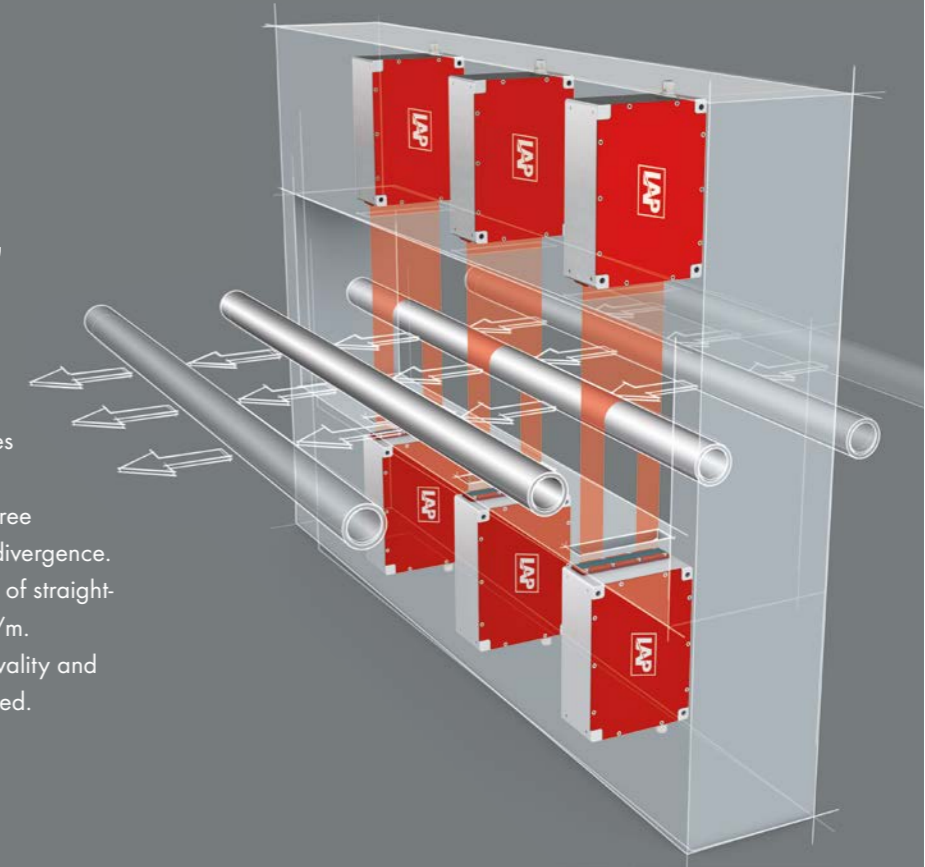
STRAIGHTNES, OVALITY, LENGTH

Two companies. One strong partner for you. Improve your processes and offer your customers the highest quality for the production of tubes and bars. LAP provides the sensors and software, sematechnik the tailor-made measuring frame and the mechanical components. We develop an individual solution tailored to your requirements and support

our customers in each phase, starting with the planning and project management, through to the actual engineering, testing and commissioning. Precise measurement results, the smooth flow of materials, and efficient process sequences are our top priorities: Benefit from our many years of experience and utilize our consultation service.

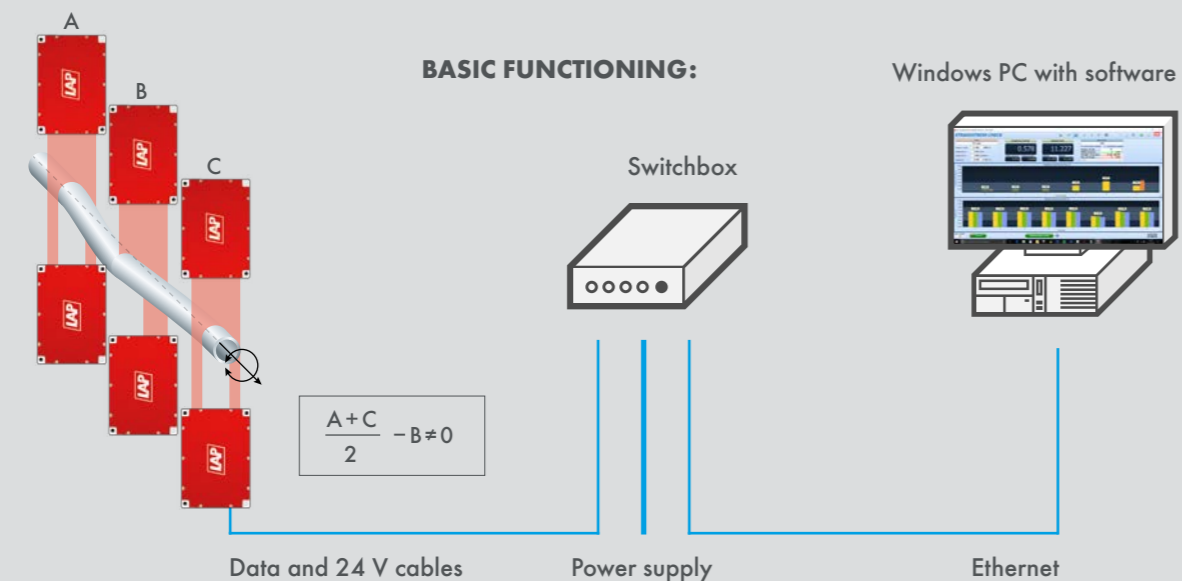
MONITOR THE STRAIGHTNESS OF YOUR LONG PRODUCTS

STRAIGHTNESS CHECK is an inline measuring system for long products such as tubes and bars during the production process. Data is automatically collected in at least three sectioning planes to calculate the possible divergence. The measurement result shows the deviation of straightness in relation to a reference length in mm/m. Optionally, the measurement of diameter, ovality and the capturing of bent objects can be extended.



OVERVIEW

- Non-contact measurement with a measurement accuracy from 0.1 mm/m
- Real-time measurement during ongoing production
- Intuitive software for high-speed data analysis
- Individually configurable thanks to modular design
- Quality improvement and assurance: avoidance of defective goods
- Easy integration in existing production lines: only 30 cm depth necessary, additional Integration/retrofit is no problem
- No set-up times: Avoidance of production-related changeover times
- Highly flexible material length and diameter
- Connection via Level 2 or iba



MATERIAL DATA

TYPE:



TUBE



BAR

DIAMETER:



1 - 140 mm
(1 - 70 mm ovality)

LENGTH:



150 - 8000 mm
(Customized solutions also possible)

BENEFITS



MEASUREMENT DURING PRODUCTION, EVEN FOR FAST PROCESSES



IMPROVED PROCESS CONTROL



CONCISE EVALUATION BY PROFESSIONAL SOFTWARE



FAST AND EASY ALIGNMENT

TEAMING UP FOR YOUR SUCCESS



Take advantage of the competence and experience of two strong partners and contact one of the cooperation partners – LAP or sema – we'll take care of the rest!

LAP LASER SYSTEMS – HIGHEST QUALITY AND PRECISION

For more than 30 years, LAP has been developing, manufacturing and distributing laser measurement systems, line lasers and laser template projectors for industrial and medical applications. LAP products are high precision devices Made in Germany. Using LAP laser systems, our customers improve performance and increase the quality of their products as well as the effectiveness of their processes.

www.lap-laser.com/STRAIGHTNESSCHECK



LAP GmbH Laser Applikationen

Zeppelinstrasse 23
21337 Lueneburg
Phone +49 4131 9511-95
Fax +49 4131 9511-96
www.lap-laser.com



SEMA SYSTEMTECHNIK – ENGINEERING AND MECHANICS

sema systemtechnik has been a leading international manufacturer of machines and equipment for the semi-finished goods industry and packaging technology for over 35 years. sema produces and markets innovative technologies for straightening, inspecting, sawing, end finishing and packaging of bars, tubes and other semi-finished products as well as for packaging, transporting, palletizing, erecting and finishing of primary-packaged products. We will develop individual solutions of the highest quality and precision for you, or in cooperation with you.

sema systemtechnik

GmbH & Co. KG
Bredenhop 27
32609 Hüllhorst/GERMANY
Phone +49 57 44/93 18-0
Fax +49 57 44/93 18-91
www.sema-systemtechnik.de

