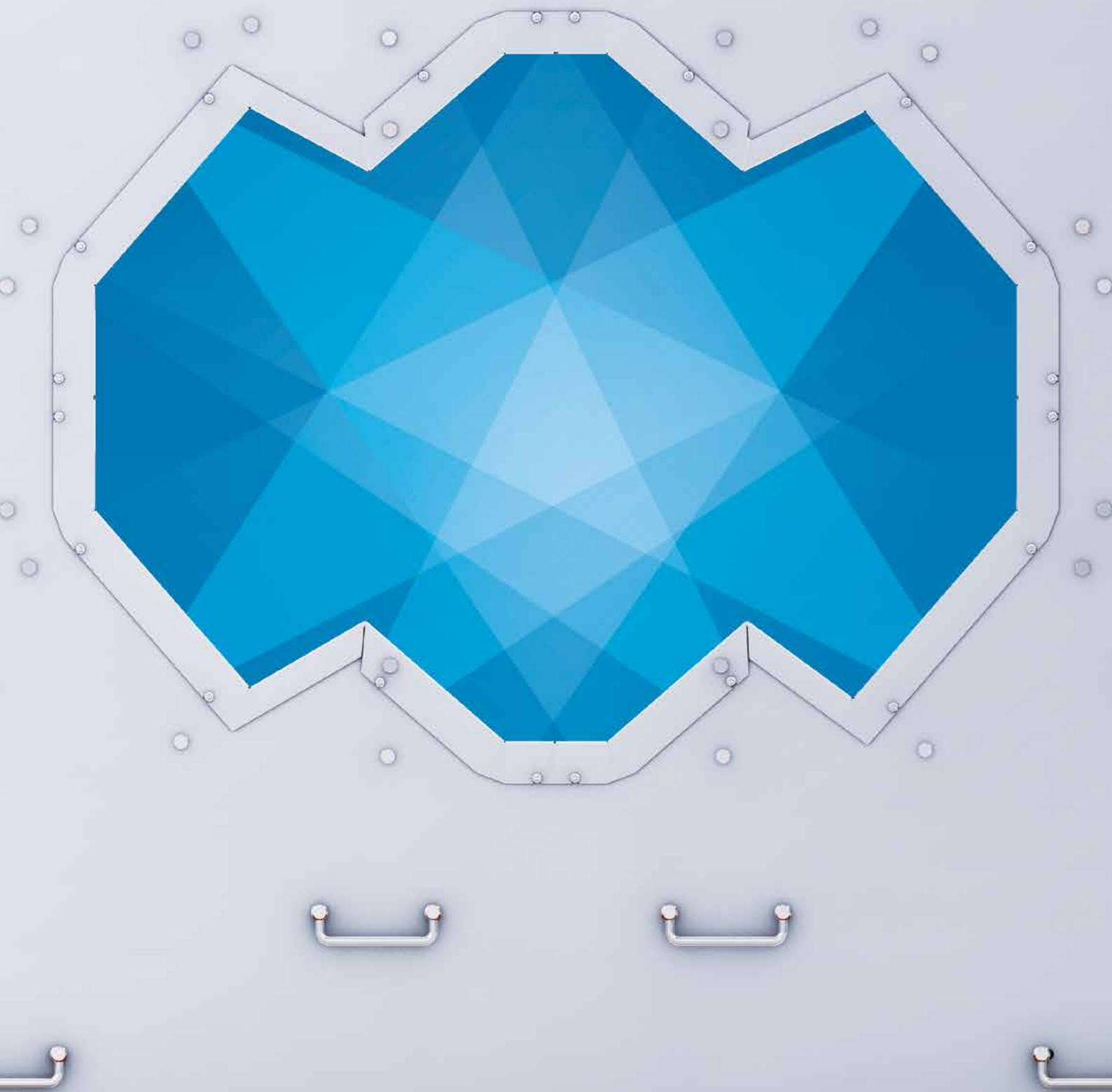




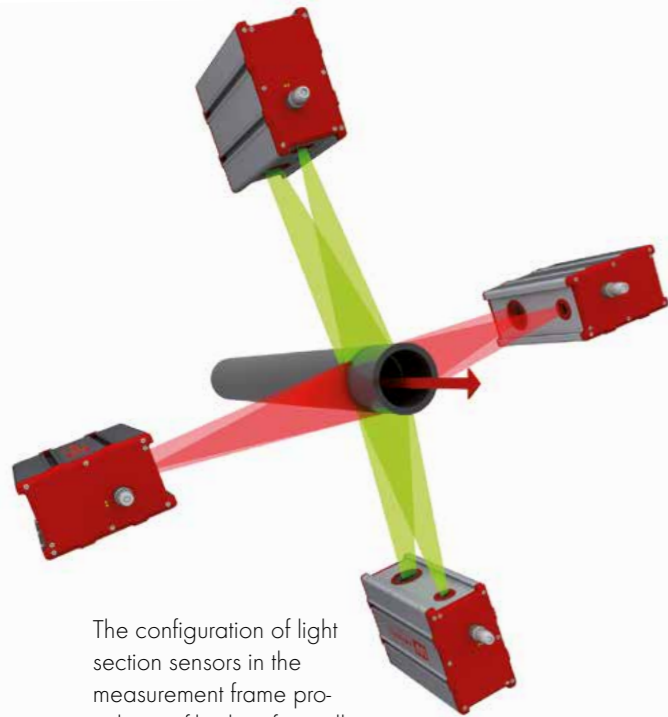
CONTOUR CHECK

LASER-LIGHT-SECTION SYSTEMS FOR INLINE
MEASUREMENT OF COMPLETE PROFILE CROSS-SECTIONS

EN

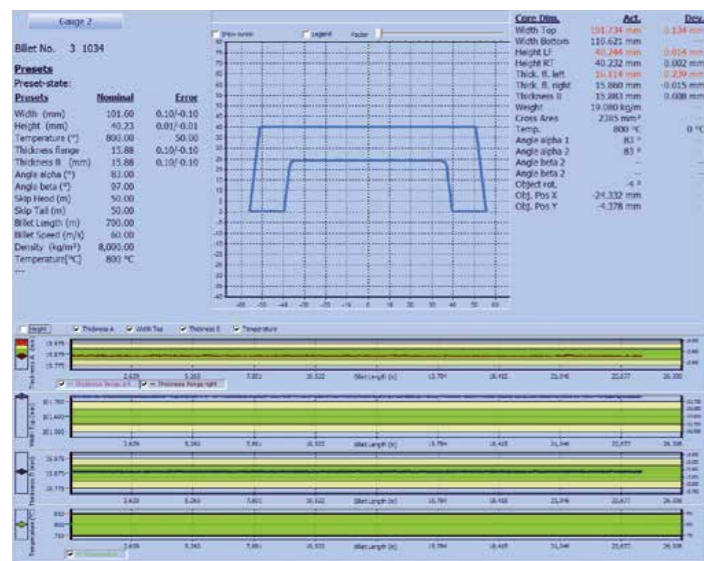


LAP CONTOUR CHECK REAL-TIME PROFILE MEASUREMENT



The configuration of light section sensors in the measurement frame provides profile data from all directions simultaneously.

CONTOUR CHECK MAIN SCREEN: EVERYTHING AT A GLANCE



- Profile cross section
- Numerical values
- Production history
- Pass/fail visualisation

ADAPTABLE

Besides standard models for selected ranges of size and shape, LAP offers customized solutions for all combinations of profiles.

TOUGH PERFORMER

Heat, humidity, dirt, corrosion. LAP steel measuring frames with stainless steel housing and air purge systems withstand even the extreme production conditions in steel mills.

FAST AND PRECISE

Depending on your requirements, LAP CONTOUR CHECK may measure at 60 Hz to 2 kHz with accuracies up to 0.02 mm.

RELIABLE

Every measuring frame is based on 30 years of experience in laser technology and more than 250 systems running in steel industry worldwide.

BLUE LASERS FOR HOT PROFILES

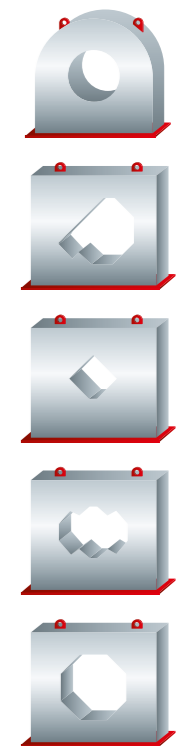
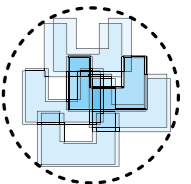
On glowing surfaces, blue lasers are better visible than other colours. This improves the system accuracy.

FLEXIBLE MEASURING FIELD

You suffer from strong object movement? Your profiles differ in dimensions? We will optimize the measuring range for YOUR production.

MODEL*	S4	M4	L4	L6	L8	XL4	XL6	XL8	HS4/45	HS4/90	HS4/180
Number of sensors	4	4	4	6	8	4	6	8	4	4	4
Measuring frequency [Hz]	60	60	60	60	60	60	60	60	340-2000	340-2000	340-2000
Accuracy up to [mm]	0.07	0.15	0.07	0.07	0.07	0.15	0.15	0.15	0.02	0.04	0.08
Measuring range [mm]									45	90	180
Maximum Object Dimensions											
Round, diameter [mm]	200	400			160			320	x	x	x
Square, edge length [mm]	170 × 170	340 × 340			140 × 140			280 × 280	x	x	x
Hexagonal, key width [mm]	150	300			140			280	x	x	x
Rectangular, flat, width [mm]	190	380	340			660			x	x	x
H-shaped, width [mm]	140	280			260			520	x	x	x
U-shaped, width [mm]	170	340		240			480		x	x	x
Angular, symmetrical, side length [mm]	100 × 100	200 × 200			120 × 120			240 × 240	x	x	x
Movement range [mm]	± 10	± 20	± 15	± 15	± 15	± 30	± 30	± 30			

* Reference configuration, all values have to be evaluated for actual application



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.

As a result of continuous product innovation, LAP has become a world leader in lasers for projection and measurement. LAP products are setting the standards in a wide range of markets from manufacturing to heavy industrial environments and medical applications. Environmental protection is important to us. We use solar panels, green electricity and roofs planted with grass. Our production is planned by standards of sustainability.

Quality has always been part of our commitment. We are content if you are. We know your high demands. To meet your requirements, the quality management of LAP is certified by DIN EN ISO 9001:2008 for industrial products and by EN ISO 13485:2007 for medical engineering products.

www.lap-laser.com/CONTOURCHECK



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