



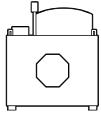
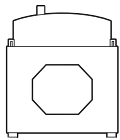
Data sheet

CONTOUR CHECK SHAPE

Contour measurement and surface defects detection for rolled long products by means of laser light sectioning

Characteristics

- Applicable to various profile types with a max. temperature of 1200 °C
- Detection of geometrical deviations of nominal profile, rolling, and surface defects
- Temperature stabilized setup
- Closed thermal design for extreme conditions
- Standardized setup for measuring ranges from 50 mm to 500 mm, bigger measuring ranges upon request
- High accuracy and simple calibration
- Intuitive SMART CORE PRO software for visualization and documentation

					
	CONTOUR CHECK SHAPE 50	CONTOUR CHECK SHAPE 100	CONTOUR CHECK SHAPE 150	CONTOUR CHECK SHAPE 250	CONTOUR CHECK SHAPE 500
Measuring range [mm]	50	100	150	250	500
Accuracy (trueness) [mm]	±0.015	±0.025	±0.040	±0.065	±0.100
Repeatability (precision) [mm]	0.003	0.006	0.009	0.015	0.030
Number of cameras [pc]	4	4	4	4	4
Frame width [mm]	1270	1270	1470	1770	2400
Frame height [mm]	1280	1480	1680	2170	2590
Frame depth [mm]	370	470	550	640	745
Passline height [mm]	450	540	640	780	890
Frame weight [kg]	355	435	585	895	1370
Positioning system (optional)	✓	✓	✓	✓	✓
Blower	✓	✓	✓	✓	✓
Air cooling unit (optional, dimensioning depends on ambient conditions)	✓	✓	✓	✓	✓
Pyrometer (optional)	✓	✓	✓	✓	✓

Standard

Control cabinet with HMI ■ Control panel including controller ■ Several software licenses
Several temperature and air flow sensors ■ Measuring rate up to 2000Hz
Cable set ■ Calibration set ■ Blower ■ Set of hoses ■ Water conditioning unit ■ Fluid connection set

Optional

Multi-client application ■ Different integrated pyrometer sets ■ Speed monitoring ■ Air-condition for cabinet
Software add-on for 3-roll technology ■ Software add-on for rebar measurement
Uninterruptable power supply ■ Big LED display or big monitor ■ iba connection ■ Level-2 interface
Software add-ons for different profiles ■ Software add-on for surface defect detection
Different positioning systems ■ Industrial PC-set ■ Software add-ons for different profiles

Measurable profiles



Detectable rolling defects



LAP Measurement Technology GmbH

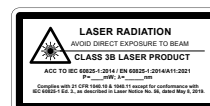
Zeppelinstr. 23

21337 Lüneburg

Germany

P +49 4131 95 11-95

E info@lap-laser.com



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