



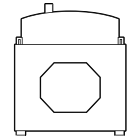
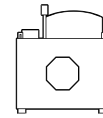
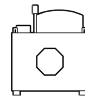
Data sheet

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

