

Data sheet

CONTOUR CHECK ROUND & EDGE

Dimensional measurement of round, rectangular, or hexagonal profiles and rebar

Characteristics

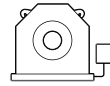
- Stable data capturing & processing for products up to 1200 °C
- Show deviations and errors occurring during the production process
- Slim housing, can be moved in and out of the production line on a rail
- Mechanically stress-free base plate carries sensors separated from the housing
- Thermal protection by airflow and air cooling
- Intuitive SMART CORE ADVANCED software for defect visualization and documentation



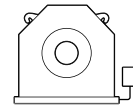
CONTOUR CHECK ROUND 45



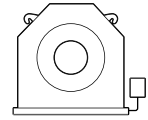
CONTOUR CHECK ROUND 90 & EDGE 90



CONTOUR CHECK ROUND 120/150 & EDGE 120/150



CONTOUR CHECK ROUND 180/230 & EDGE 180/230



CONTOUR CHECK ROUND 500 & EDGE 500

Measuring range [mm]	45	90	120/150	180/230	500
Accuracy (trueness) [mm]	±0.015	±0.020	±0.025/±0.030	±0.035/±0.045	±0.090
Repeatability (precision) [mm]	0.004	0.0045	0.005/0.008	0.010/0.012	0.025
Number of axes [pc]	2, 3, 4, 6	2, 3, 4, 6	2, 3, 4, 6	2, 3, 4, 6	2, 3, 4
Frame width [mm]	860	1240	1720	2250	2550
Frame height [mm]	940	1170	1685	2215	2515
Frame depth [mm]	81	253	253	253	253
Passline height [mm]	450	570	835	1100	1250
Frame weight [kg]	125	580	930	1500	1900
Positioning system (optional)	✓	✓	✓	✓	✓
Blower	✓	✓	✓	✓	✓
Air cooling unit (optional, dimensioning depends on ambient conditions)	✓	✓	✓	✓	✓
Pyrometer (optional)	✓	✓	✓	✓	✓

Standard

Server PC with evaluation SW and data archive & control cabinet
 Measuring rate: 800 Hz ■ Temperature and air flow monitoring in frame
 Software license for 2P round ■ Cable set ■ Calibration set ■ Blower ■ Set of hoses

Optional

Different options for control cabinet, control panel, and visualization devices ■ Software add-ons for different profiles
 Database extension ■ Cooling unit ■ Different positioning systems ■ Industrial PC-set
 Level 2 interface ■ iba interface ■ Multi-client application ■ Speed monitoring
 Software add-on for 3-roll technology ■ Software add-on for rebar measurement
 Different integrated pyrometer sets ■ Uninterruptible power supply ■ Big LED display or big monitor
 Air conditioning unit for cabinet ■ Measuring rate 1600 Hz or 2000 Hz

Measurable profiles*

Detectable rolling defects*

6 axes CONTOUR CHECK ROUND		
6 axes CONTOUR CHECK EDGE		

*Valid for 6 axes CONTOUR CHECK ROUND & EDGE.
 For the full overview of our available systems, please see our CONTOUR CHECK brochure at www.lap-laser.com

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