



THICKNESS MEASURING WQA-TM-2-5-300-700

Thickness measuring

Features

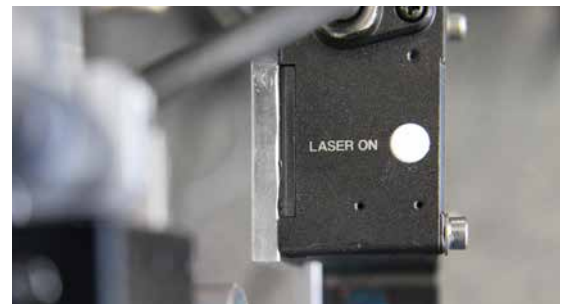
- Contact-free thickness measuring by laser measurement technique
- Automatic calibration and adjustment of the measurement system
- (pneumatic swing into of standard parts)
- Servo driven positioning of laser head pair (variable measuring object width)
- Fine adjustment units for system installation

Evaluation | Archiving | Visualization

- Long-term registration of product- and batch data
- Visualization of thickness profile online as well as of archive data
- Product-, batch and quality based reporting possibility
- Data export to Excel (CSV), data base

Services

- Complete integration into the production line
- User-specific adjustments



Ultra-rapid and high-precision laser-distance measuring sensors according to the application for rough, transparent or reflective measuring objects .



The laser measurement heads use the triangulation measurement procedure in order to determine the position of the reflected light on an RS-CMOS component. The position of the measurement object is measured by detection of the alteration of the way.



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Technical data

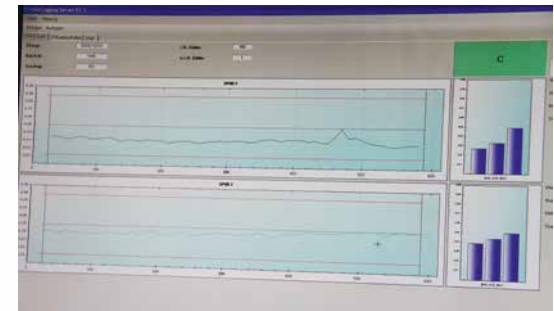
Supply voltage	3 × 400V AC 50Hz
Surrounding temperature	0°C – 50°C
Dimensions	450 mm × 1104 mm × 1300 mm maximum height
Number of measuring traces	2
Measuring area	0 mm – 5 mm
Measurement inaccuracy	0,08 %
Measuring object width	300 mm – 700 mm

Complete integration into the production line with automatic sorting of measuring objects in tolerance groups.



PROJECT_ID	GRUPPNAME	MACHINENAME	UNITNAME	STARTTIME	ENDTIME	PROZ
1	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:04:10,013	2013-07-29 11:04:11,540	3
2	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:04:16,718	2013-07-29 11:04:17,738	3
3	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:04:21,359	2013-07-29 11:04:24,379	3
4	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:04:25,278	2013-07-29 11:04:30,298	3
5	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:04:35,579	2013-07-29 11:04:36,607	3
6	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:04:41,476	2013-07-29 11:04:42,496	3
7	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:07:37,603	2013-07-29 11:07:38,624	3
8	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:07:43,382	2013-07-29 11:07:44,402	3
9	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:07:49,720	2013-07-29 11:07:50,741	3
10	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:07:55,540	2013-07-29 11:07:56,560	3
11	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:04,000	2013-07-29 11:08:05,019	3
12	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:11,450	2013-07-29 11:08:12,471	3
13	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:16,721	2013-07-29 11:08:17,738	3
14	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:22,101	2013-07-29 11:08:23,119	3
15	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:27,261	2013-07-29 11:08:28,280	3
16	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:32,702	2013-07-29 11:08:33,722	3
17	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:36,540	2013-07-29 11:08:37,567	3
18	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:43,070	2013-07-29 11:08:44,090	3
19	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:50,299	2013-07-29 11:08:51,300	3
20	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:08:56,009	2013-07-29 11:08:57,029	3
21	Fabrik 1	Endkontrolle	Dickenmessung	2013-07-29 11:09:01,596	2013-07-29 11:09:02,616	3

Long-time archiving of measured data.



Visualization of the thickness profile of the measuring objects.

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