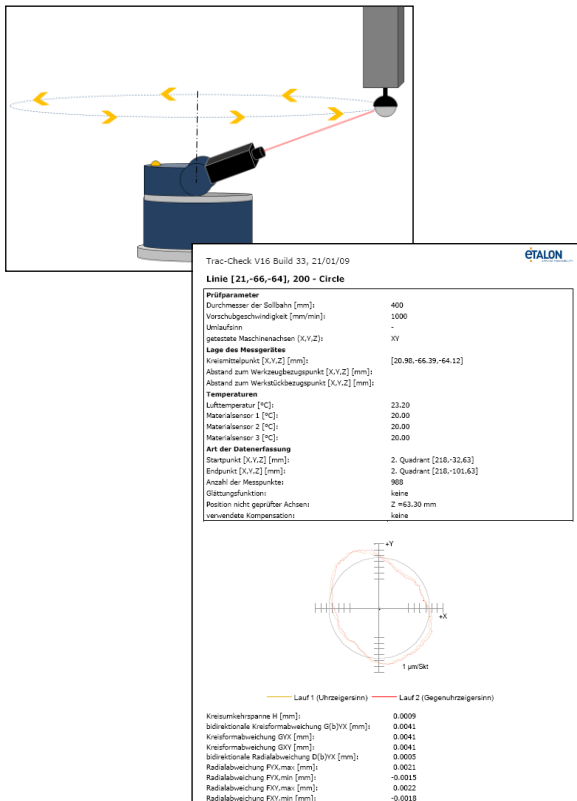


TRAC-CHECK

▶ MODULE CIRCULAR TEST (BASED ON ISO 230-4)



- ▶ THE CIRCULAR TEST IS A USEFUL AND INTERNATIONAL ACCEPTED CHECK PROCEDURE FOR THE STATIC AND DYNAMIC ACCURACY OF MACHINE TOOLS. THE MODULE CIRCULAR TEST FOR TRAC-CHECK PROVIDES A FAST AND HIGH ACCURATE MACHINE CHECK BASED ON ISO 230-4 WITHOUT ADDITIONAL HARDWARE – THE VERSATILE LASERTRACER PROVIDES THE HIGH ACCURATE MEASUREMENTS FOR A CONVINCING RESULT.

PRINCIPLE

The procedure is as easy as Trac-CHECK so far: The determination of the position is controlled via software and the inspection circles are placed exactly around the patented reference sphere of the LaserTRACER as rotation centre - which makes a vernier alignment dispensable. The self tracing interferometer provides radial distances with a very high resolution which are evaluated and displayed in an easy way by Trac-Check.

FIELD OF APPLICATION

Fast check of machine tools of all accuracy levels. The system is suitable especially for big radii.

YOUR BENEFITS

- ▶ Efficient machine check – the circular test is the fastest, easiest and striking method to check the capability of your machine
- ▶ Highest accuracy because of the extreme solid rotation centre and interferometric measurements with a resolution of 0.001 µm.
- ▶ Reliable results because of non-mechanic influenced measurement
- ▶ Also for big machines, inspection radius from 200 mm to 12 m freely definable
- ▶ Fast check because no vernier alignment is necessary
- ▶ Low purchase cost because no additional hardware is necessary
- ▶ Low training effort – who already knows Trac-CHECK will be able to handle the circular test quickly

ADDITIONAL INFORMATION

The Circular Test can be performed only with the ETALON LaserTRACER. The ETALON Reflector 160 is recommended.

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ETALON
APPLIED TRACEABILITY

BUNDESALLEE 100. D-38116 BRAUNSCHWEIG.
TEL. +49 (0)531-592 1970. FAX +49 (0)531-592 1979.
www.etalon-ag.com