

PRÜFTECHNIK ServiceCenter

Laser-based structures and machine components measurements

- Straightness measurement of guide, rails, rollers and positional changes
- Flatness measurement of flanges, foundations, working surfaces and roller mills
- Plumbness and water level measurement
- Perpendicularity and parallelism measurement
- Bore alignment measurement



GEO 4.1 – Laser-based structures and machine components measurement

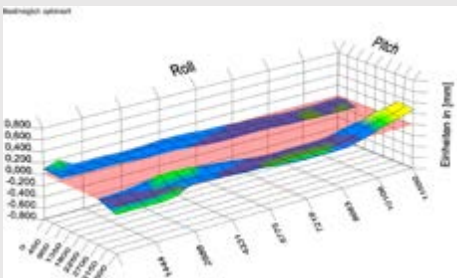
Geometric precision reduces wear, increases the machine efficiency, improves the product quality and reduces the risk of vibration and failure. Laser techniques simplify the optical measurement, but then also require appropriate opportunities for targeted correction best when performing the measurement.

PRÜFTECHNIK has developed measuring techniques and software that can measure 5-dimensional to illustrate such results. Our service technicians have knowledge about tolerances and permissible deviations.

Bore alignments of diesel engines, gas and steam turbines or compressors can be precisely and quickly measured as well with laser based technologies.

1 Straightness, Flatness

- ▶ LEVALIGN® ,sensALIGN® 7, INCLINEO®
- ▶ GEO Center, ROTALIGN® Ultra 2
- ▶ Short report (Description of the task and short presentation of the measurement results)



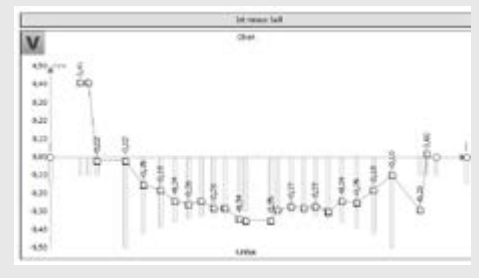
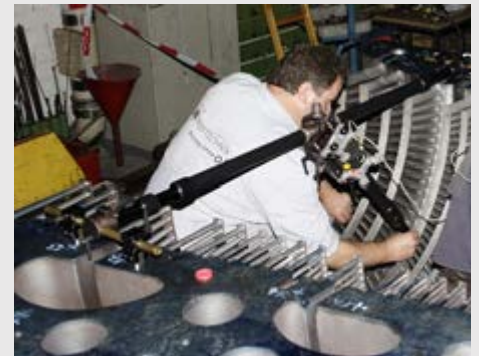
2 Plumbness, perpendicularity, parallelism

- ▶ LEVALIGN® expert, INCLINEO®
- ▶ GEO Center, ROTALIGN® Ultra 2,
- ▶ Measurement report (with presentation of the measurement results and corrections)



3 Bore alignment measurements

- ▶ CENTRALIGN®, BORALIGN®
- ▶ GEO Center, ROTALIGN® Ultra 2,
- ▶ Short report (Description of the task and short presentation of the measurement results)



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