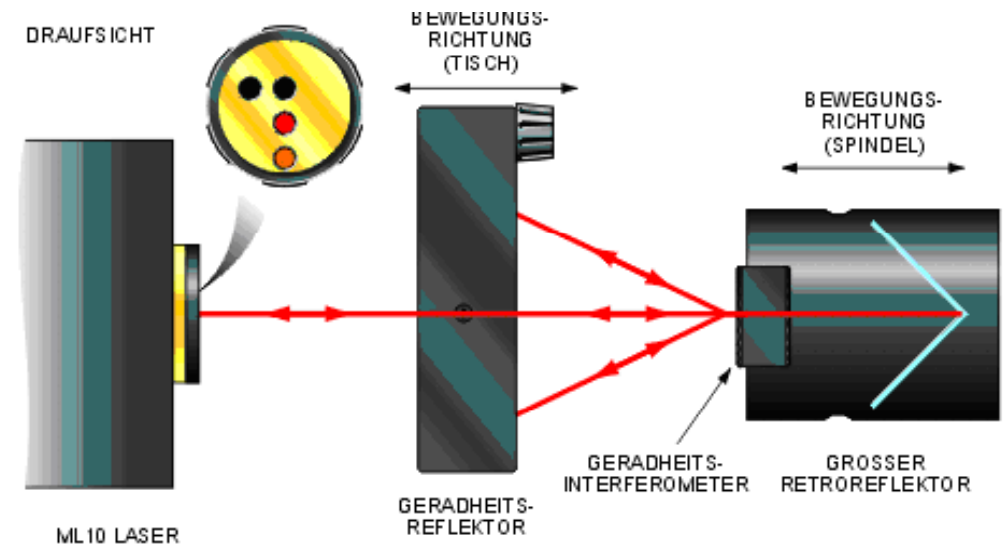


Renishaw ML10 Laser interferometer

Technical data

- System accuracy: $\pm 0,7 \mu\text{m/m}$
- The resolution of the system is 1 nm at a motion speed of max. 1 m/s
- Measuring range up to 40 m
- Determination of position, rectangularity and angles in short and long distances
- Laser source is a helium neon laser tube (CLASS II)
- Components present:
 - Basic unit Laser-interferometer Renishaw ML10
 - Interface card PCM 20
 - Gold optics for the long range measuring range ($\geq 40 \text{ m}$)
 - Black optics for the short range measuring range ($\leq 40 \text{ m}$)
- Measurements possible:
 - Rectangularity, position, tilt angle, straightness



View of Renishaw ML10 measuring straightness

Application areas

- In teaching production engineering and in the laboratory
- Service in the field of measuring in the manufacturing area
- Calibration and measuring of plasma cutting machines in shipbuilding



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