QUINDOS

QUINDOS Step Gear / Roller Gear

Inspection of step gears / roller gears with coordinate measuring machines.

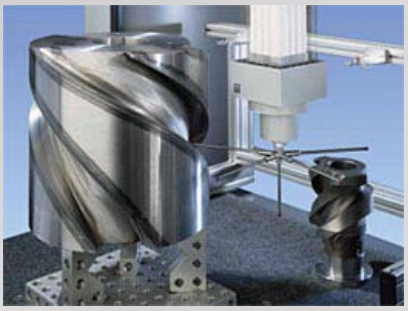
The packages QUINDOS Step Gear is used to inspect the shape and functionality of step gears (roller gears) on precision coordinate measuring machines. The step gear can have a cylindrical or a globoid carrier.

Out of the transmission law, i.e. the relationship between the rotation angle of the carrier and the movement of the roller axis, QUINDOS can calculate the surface points with normal directions.

QUINDOS Step Gear includes:

- Generation of nominal surface points out of the transmission law
- Deviations perpendicular to the surface
- Deviations of transmission law
- Slot width (clearance)
- Contact pattern analysis
- Axial best fit

Due to the usually tight tolerances of roller gears, only precision coordinate measuring machines with small probing errors P and THP (according to ISO 10360) and High-Speed-Scanning capability (i.e. Leitz PMM-C or Leitz Reference) should be used for such measurements.



With QUINDOS the inspection of step gears (roller gears) can be done on measuring machines without a rotary table. This means the step gears can be mounted on a pallet and measured with maximum throughput and efficiency.

Step gear measuring technology by Hexagon Metrology: unmatched!

MTW-510-STG-001

HEXAGON METROLOGY

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