QUINDOS

QUINDOS Shaper Cutter

Inspection of shaper cutters on high precision coordinate measuring machines and gear inspection systems.

Measurement of spur and helical shaper cutters according to DIN 1829 on high precision coordinate measuring machines and gear inspection systems.

The cutting face can be conical or steped.

Among others this QUINDOS package evaluates:

- Axial runout of the cutting edge
- Radial runout
- Tooth thickness
- Angles at the cutting edge
- Pitch
- Profile
- Helix

QUINDOS Shaper Cutter on a CMM is as easy to operate as a dedicated gear inspection system: The moving path of the coordinate measuring machine with all probing points as well as scanlines is generated automatically.

All shaper measurements on a CMM are executed using a star-shaped probe cluster. A rotary table is not required for the inspection of such cutters. Therefore various shaper cutters can be mounted and inspected automatically on pallets. Thus providing a much higher throughput compared to conventional gear inspection systems.

Due to the tight tolerances of shaper cutters, only high precision coordinate measuring machines with a very small probing error P and continuous scanning capability (i.e. Leitz PMM-C 700 P) should be used for such measurements.

Gear inspection systems by Hexagon Metrology:
fast, precise and cost-efficient!

MTW-510-SHP-001

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