

QUINDOS Shaving Gear

Inspection of shaving gears on a coordinate measuring machine or on a gear checker.

The inspection of shaving gears with QUINDOS is as easy as the measurement of normal gears: after entering the shaver parameters, the travel path of the CMM as well as all probings and scan lines required for the inspection are generated automatically.

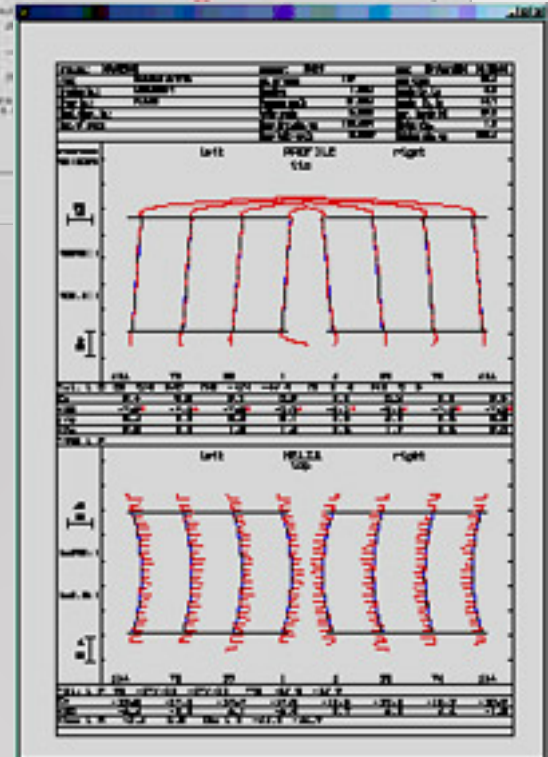
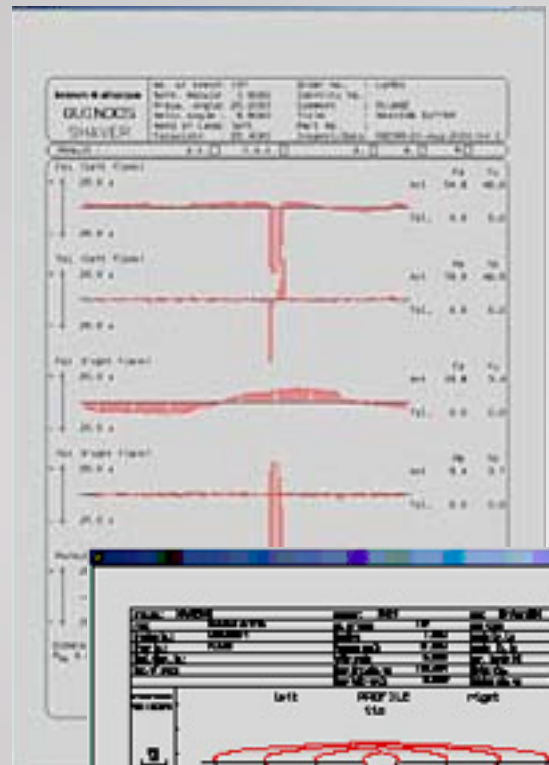
Shaving gears can be measured on a 3D measuring machine by using a star probe configuration, similar to the inspection of normal gears. With QUINDOS there is no rotary table required for such measurements and therefore several shavers can be mounted on a pallet and measured in on go. This leads to a tremendously increased throughput compared to a conventional gear checker.

Features of a shaving gear, which can be evaluated, are:

- Helix
- Profil
- Pitch
- Runout
- Corrections

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

Hexagon Metrology gear measuring technology turns your CMM into a high performance gear checker!



MTW-510-SHV-001