

Shaving Gear

MTW-510-SHV-001

Inspection of shaving gears on a Leitz Coordinate Measuring Machine or on a Gear Checker.

The option **QUINDOS Shaving Gear** provides the tools for the inspection of shaving cutters on high precision Coordinate Measuring Machines (CMMs) or 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 probing and scan lines required for the inspection are generated automatically.

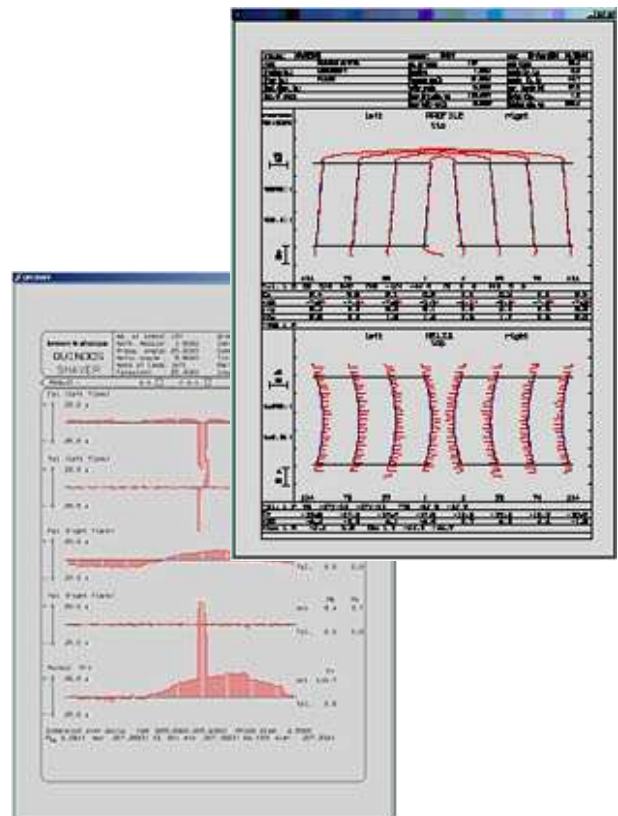


Shaving gears can be measured on a Leitz 3D Measuring Machine by using a star probe configuration, similar to the inspection of normal gears. With QUINDOS there is no rotary table required for such measurements and therefore several shavers can be mounted on a pallet and measured in on go. This leads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

Features of a shaver cutter, which can be evaluated, are:

- Helix
- Profile
- Pitch
- Runout
- Corrections

Due to the tight tolerances of Shaving gears, only high precision Coordinate Measuring Machines (CMM's) with a very small probing error P and continuous scanning capability (i.e. Leitz PMM-C 700 P) should be used for such measurements.



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