QUINDOS

Straight Bevel Gear

MTW-510-SBL-001

Measurement of straight bevel gears according to DIN 3965, part 1 and 2.

With this QUINDOS package the measurement of straight bevel gears can be done on a precision 3D Coordinate Measuring Machine without a rotary table. Therefore many of such parts can be mounted on a pallet and measured without the supervision by an operator.

Due to this a 3D Coordinate Measuring Machine (CMM) equipped with **QUINDOS Straight Bevel Gear** software can achieve a much higher throughput than a conventional gear inspection system.

Internal straight bevel gears, e.g. dies, moulds or electrodes can also be inspected.

The following features are included:

- Automatic generation of the moving path and probing points for the 3D coordinate measuring machine.
- Generation of a point grid on the master flank using the gear parameters.
- Inspection of the flank topography with various evaluation methods.
- Runout and pitch
- Profile and flank deviations.
- Establishing a new coordinate system by best-fitting the actual flank to the nominal flank.
- Calculation of the cone apex position.
- Establishing the optimum assembly position

Leitz gear inspection systems: fast, precise and cost-efficient!