QUINDOS

QUINDOS Hob Cutter

Inspection and evaluation of a hob cutter, as defined in DIN 3968 on a high precision 3D coordinate measuring machine.

Additionally to DIN, the axial pitch and the tooth height for topping hobs can be evaluated.

All measurements can be done on single and multi start hobs. The flutes can be straight or helical.

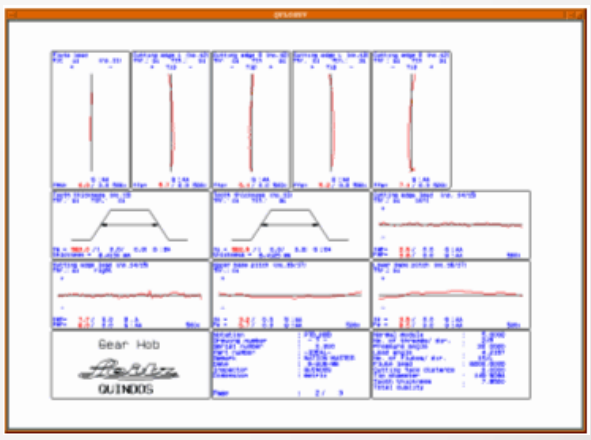
QUINDOS Hob Cutter is very easy to use: After entering the hob parameters, the moving path, probing points and scan lines for the coordinate measuring machine (CMM) are generated automatically.

Any vertically mounted hob cutter can be inspected on a CMM with a 6 probe cluster. Therefore a rotary table is not required for the measurement of hob cutters, i.e. many hobs can be mounted on one fixture and measured in one go.

As a result, high precision CMMs with QUINDOS provide a much higher throughput and therefore significantly lower inspection costs compared to conventional bevel gear inspection systems.

Due to the tight tolerances of hob cutters, only high precision coordinate measuring machines (CMMs) with very small probing error (P < 1µm according to ISO 10360 - 2) and continous scanning capability should be used for such measurements.

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



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