

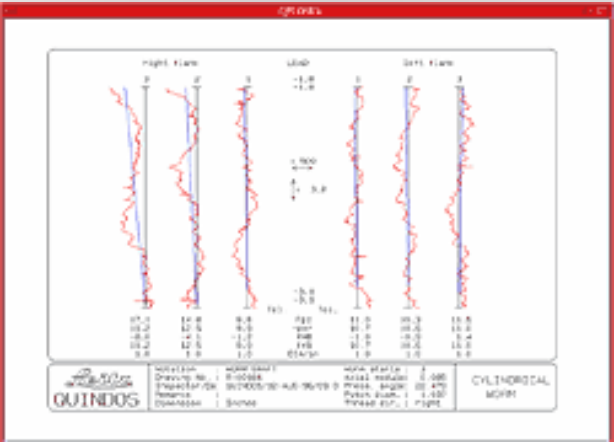
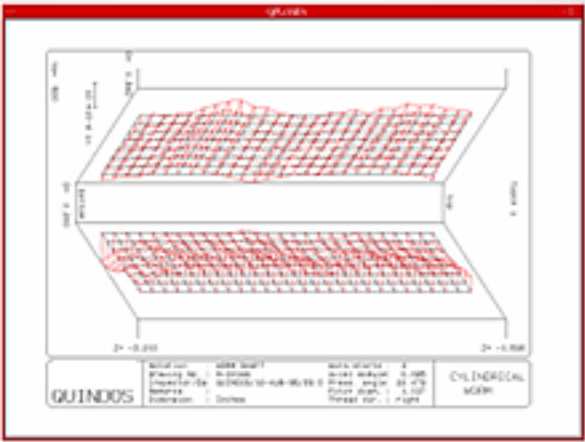
QUINDOS Globoid Worm

Meaurement of globoid (double enveloping) worms on a coordinate measuring machine.

The tooth flanks of this type of worm are manufactured by an inclined rotating plane (grinding wheel) or by a straight sided skinning cutter.

QUINDOS Globoid Worm provides the tools for the measurement of such globoid (double enveloping) worms on a 3D coordinate measuring machine. The worm can have single or multiple start, with both left and right hand lead.

- Easy operation due to automatic generation of the CMMs moving path and all required probing points and scan lines, including probe changes.
- With QUINDOS software Globoid Worms can be measured in vertical as well as in horizontal position. A clear advantage when it comes to large, long worms.
- A rotary table is not required. Therefore several globoid worms can be mounted on a pallet and measured in one go. This results in a much higher throughput compared to a conventional worm or gear measuring machine.
- The evaluations are similar to those of a cylindrical worm.



Due to the usually tight tolerances of globoid worms, only high precision 3D coordinate measuring machines with a small probing error P and scanning capability (i.e. Leitz PMM-C) should be used for such measurements.

Globoid (double enveloping) worm measurement technology by Hexagon Metrology: fast, precise and cost-efficient!