

Screw Compressor

MTW-510-SCR-001

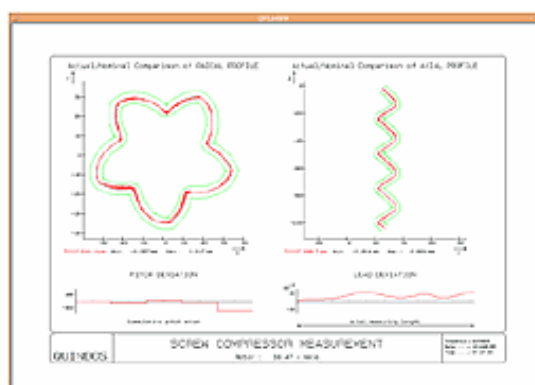
Measurement of Screw Rotors on Leitz Coordinate Measuring Machines.

The package **QUINDOS Screw Compressor** enables the measurement of rotors of screw compressors on high precision 3D Coordinate Measuring Machines.

The measurement can be done with the rotors mounted in horizontal as well as in vertical position. A significant advantage compared to single purpose screw rotor inspection systems!

The package includes the following features:

- Generation of nominal data and normal vectors for profile sections
- Transformation from axial to transverse sections, and back
- 3D radius correction
- Actual-nominal comparison of the profiles
- Best fitting of the profiles
- Evaluation of the pitch, lead and the lead deviation along the length of the rotor
- Pairing simulation of male and female rotors, with calculation of the gap



With Leitz QUINDOS a rotary table is not required, i.e. various rotors as well as housings can be placed on a fixture and measured in one go. This results in a dramatic increase in throughput and therefore significant lower inspection cost per part compared to conventional gear or rotor measuring systems.

3D Coordinate Measuring Machines used for the inspection of screw compressors should have a probe head with High-Speed-Scanning capability and a small scanning probing error "THP".

Leitz screw compressor / screw rotor measuring technology: fast, precise and cost-efficient!