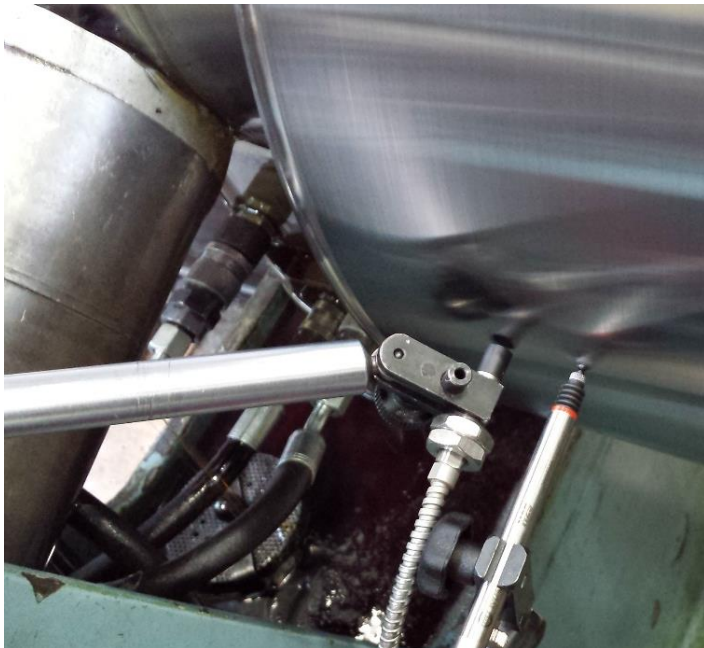


Orbistar

An easy tool for precise Runout Measurements



Benefits

- Portable system for universal application
- Wireless system allows easy handling during measurements on very large rotors mounted on lathes
- Measurement of radial and axial runout
- Evaluation of electrical runout
- Customer format reporting
- Advanced tools for angular and spectral analysis
- Variety for probes for several tasks such as on outer- or inner diameter, on interrupted surfaces and even on blade tips
- Project management through complete workflow

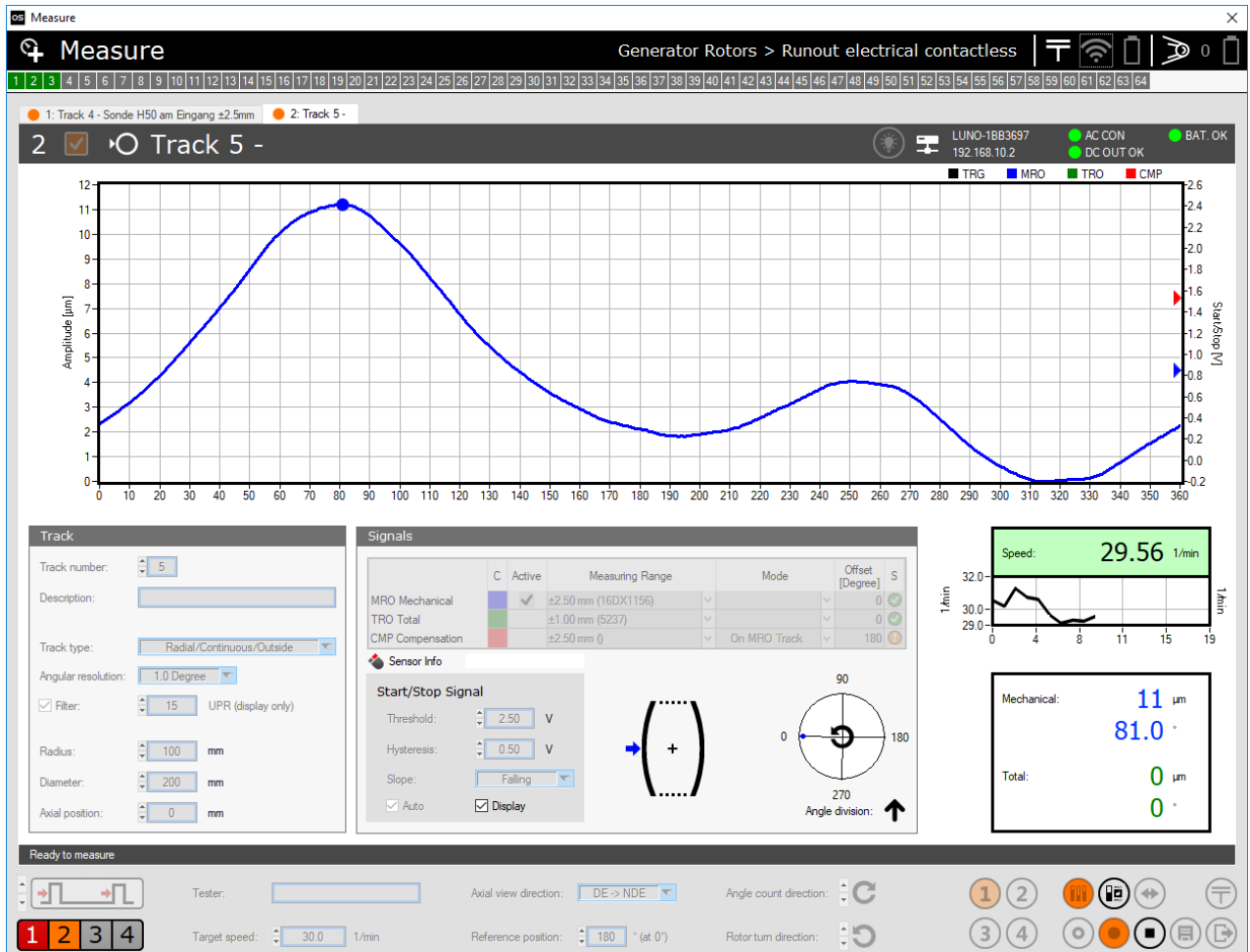
Application

- Measurements according P&ID plans for high quality fabrication monitoring quality tracking
- Use in the factory and in balancing test facilities, as well as on site
- Delivers:
 - mechanical runout (MRO)
 - total runout (TRO)
 - electrical runout (ERO)
 - axial runout
 - very low measurement uncertainty



Description

For effective measurements, the setup can be carried out during the preparation phase of quality documents. The system will guide you through the test sequence and record all measured data. A wide range of test types with their required probes can be predefined, the operator simply has to follow the instructions. Mechanical pencil probes as well as lever probes can be utilised for detailed rotor shapes. Total runout can be measured with eddy current probes. The bearing tracks can be used as references resulting in corrected runout for the whole shaft. The analysis tools calculate precisely the rotor angle dependant runout and will directly create predefined company standard reports.



Technical specification:

- Measurement range (eddy probe): $\pm 1\text{mm}$
- Measurement range (mechanical probe): $\pm 2.5\text{mm} / \pm 1\text{mm} / \pm 0.1\text{mm}$
- Measurement uncertainty, all runout: $0.1\mu\text{m}$
- Angular resolution: 0.1°
- Max. rotational speed for mechanical probes: 100RPM
- Max. rotational speed for eddy probes: 500RPM

