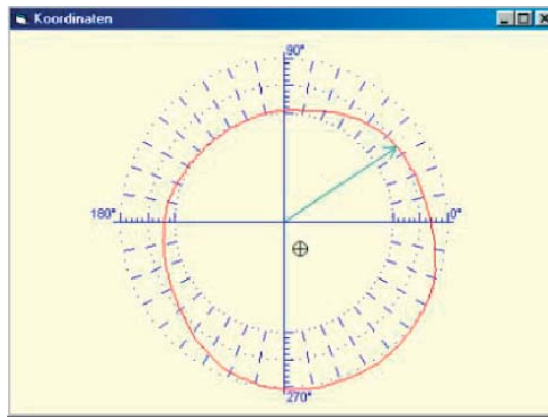# WinRayRound™ – the universal system for the measurement of circularity, centricity and cylindricity

The WinRayRound™ software and a contactless clearance sensor make it possible to perform dynamic measurements of cylindrical objects during machine operation.
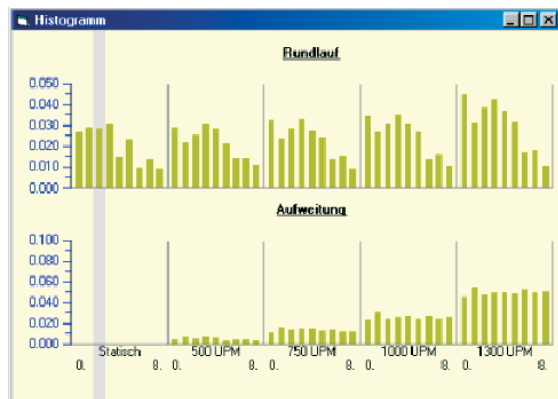
WinRayRound™ is a complete system for dynamic or semi-static measurement of circularity, centricity and deviation from nominal diameter.

If required, a dynamic analysis of the test object can be performed, during which WinRayRound™ measures and reports the expansion of the test object under load. The system consists of a distance-measuring device (clearance sensor) for measurement of the test object, a rotational speed sensor or rotor for determination of the rotational position of the test object, an interface card for the PC and the WinRayRound™ evaluation software.
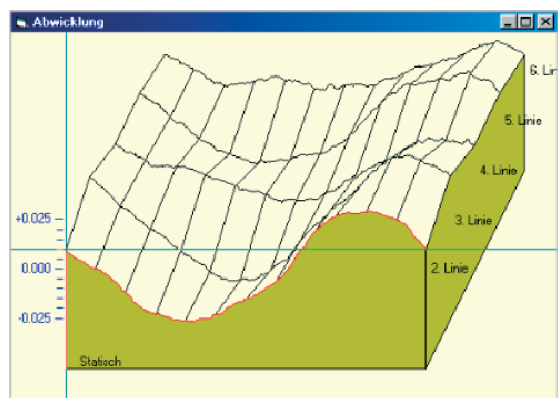

WinRayRound™ co-ordinates diagram

WinRayRound™ parameter input

WinRayRound™ histogram

WinRayRound™ developed view

Measuring unit technical data

Clearance sensor	Laser distance sensor or other electronic distance-measuring device with analogue interface (0-10 VDC)
Signal processing	Signal processor/data concentrator (16-bit analogue/digital converter, PC interface card)
Angle/zero position	Rotor with zero point trigger/absolute rotational speed sensor

Database entries for measurement tasks:
✳ Task number and description
✳ Test object description and number
✳ Remarks
✳ Object diameter (nominal)
✳ Object length
✳ Tolerances (+tol./-tol.)