

# LEVALIGN® expert

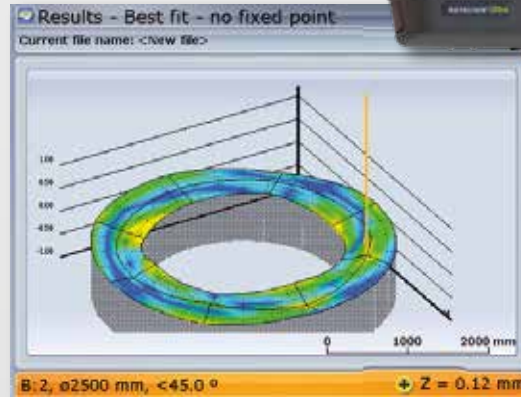
Flatness and level with a spin



# LEVALIGN® expert



The measuring system consists of LEVALIGN® expert laser and sensor wireless communicating with the ROTALIGN® Ultra computer, and optional powerful ALIGNMENT CENTER PC software for measurement analysis.



3-D view of the ROTALIGN® Ultra computer allowing better comprehension and evaluation of the results

## Standard features

- ▶ One person operation
- ▶ Automatic vertical and horizontal laser leveling
- ▶ Leveling, flatness, straightness, parallelism and perpendicularity
- ▶ Laser range dia. 200 m, sensor measurement range 70 mm
- ▶ Integrated wireless communication
- ▶ Evaluation of flatness and level of surface profiles in 3-D on ROTALIGN® Ultra
- ▶ High-end PC software for data analysis, professional reporting and data management

## Leveling and flatness with a spinning laser

Geometric measurements made simple.

The horizontal and vertical self-leveling spinning laser with 100 m measurement range in conjunction with a 70 mm range sensor ensures quick one-man operation for wide-ranging measurement tasks.

Wireless communication between sensor and ROTALIGN® Ultra computer transfers measurement data for analysis and evaluation of surface profile.

LEVALIGN® expert is a very attractive package for OEMs and companies who offer full maintenance services for improvement of machine running condition and productivity.

LEVALIGN® expert laser – technical data	
Laser range	100 m (Ø 200 m)
Self leveling	Vertical or horizontal (detachable)
Self leveling range	±5%
Direction adjustment	±5%
Speed	Up to 800 RPM
Overall error (incl. conical + leveling + sweep flatness)	< ±25µm + ±24µm/m
Power	Internal rechargeable battery or external power supply
Operating time	Up to 16 hours
Dimensions	Ø 130 mm x 270 mm
Weight	3.4 kg

LEVALIGN® expert sensor – technical data	
Resolution	0.01 mm
Accuracy	±0.02 mm
Measurement range	70 mm
Zero point adjustment	70 mm
Internal memory	2600 points
Wireless communication	RF-module
Power	2 x AA batteries
Dimensions	214 x 70 x 40 mm
Weight	0.62 kg

## For advanced industrial applications

- ▶ Flatness and parallelism of wind tower segment flanges
- ▶ Leveling of machine foundations
- ▶ Parallelism of rails
- ▶ Flatness and straightness measurement in ship building
- ▶ Leveling of reference surfaces and bases
- ▶ Circular and rectangular surface profiles

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