

ROTALIGN® smart EX

The high-end intrinsically safe alignment system



- System and case fully certified for hazardous areas
- ATEX/IECEx
- EX certified wireless RF module
- ROTALIGN® sensor technology
- Easy to use
- Save PDF reports to USB memory stick

ROTALIGN® smart EX



Highlights

- Wireless data transfer using the ATEX/IECEx certified EX RF module
- Alignment of horizontal, vertical and flange-mounted machines
- Alignment of coupled, uncoupled and nonrotatable shafts
- Alignment of cardan and spacer shafts
- 6-machine train alignment
- Soft foot check – measure, correct and save results
- UniBeam for quick adjustment of the single laser beam
- Measurement modes to suit any application: Continuous SWEEP, Static, Multipoint and Pass mode
- Automatic evaluation of alignment condition with TolChek® and user-defined tolerances
- InfiniRange® extends detector measurement range to handle gross misalignment
- Live Move - Live monitoring of horizontal and vertical corrections concurrently
- Tolerance envelopes for better machine correction evaluation
- Fixed feet selection resolves base-bound and bolt-bound problems
- Alignment targets and thermal growth values including input of dial indicator readings
- Thermal growth calculator
- Realistic machine graphics
- High memory capacity and data protection capability
- Save measurement reports as PDF to a USB memory stick
- Rigid pre-assembled universal brackets and additional support posts included
- PC software ALIGNMENT CENTER is used for preparing, analyzing, archiving measurement files and printing professional reports

ROTALIGN® smart EX is a high-end laser shaft alignment system designed for the use in potentially explosive atmospheres. The package integrates the OPTALIGN® smart EX computer packed with powerful capabilities and the unique benefits of the 5-axis ROTALIGN® EX sensor measurement technology.

ROTALIGN® smart EX is manufactured for use in hazardous areas in accordance with ATEX and IECEx regulations.

Live Move

The ROTALIGN® measurement technology allows machine corrections to be monitored concurrently in both horizontal and vertical planes with the laser and sensor mounted at any angular position. This capability is extremely useful in case of limited access to predetermined positions.

Pass measurement mode

The ROTALIGN® EX sensor allows the exceptional and convenient Pass measurement mode, where readings are collected when the laser passes the sensor. This mode is ideal for measurement of uncoupled shafts.



Wireless communication



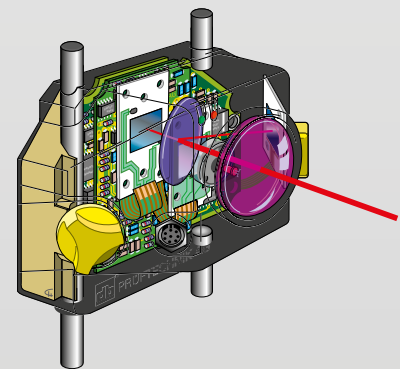
Easy to use



TolChek®



For industrial use



The five axis ROTALIGN® EX sensor

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PRÜFTECHNIK
 Condition Monitoring GmbH
 Oskar-Messter-Str. 19-21
 85737 Ismaning, Germany
 Tel.: +49 89 99616-0
 Fax: +49 89 99616-200
 info@pruftechnik.com
 www.pruftechnik.com
 A member of the PRUFTECHNIK group