OPTALIGN® 1984–2009 25 THE INVENTORS OF LASER SHAFT ALIGNMENT KEEPS THE WORLD ROTATING

PRÜFTECHNIK

OPTALIGN® smart

Maintaining high standards in machinery alignment

OPTALIGN® smart

Standard features

- Wireless communication and USB interface integrated within the computer
- High resolution backlit colour TFT screen
- UniBeam® for quick adjustment of the single laser beam
- Alignment of coupled, uncoupled and nonrotatable shafts
- Automatic continuous measurement as shaft is rotated – start and stop rotation at any position
- Automatic evaluation of alignment condition with TolChek® and customer-defined tolerances
- QuickCheck – a quick alignment check using a single dimension to display both horizontal and vertical coupling values
- Static measurement mode – requires any 3 of the 8 available 45° measurement positions
- Live monitoring of horizontal or vertical machine corrections
- Verify measurement repeatability using the results table
- Save up to 500 measurement files and measurement reports as PDFs directly to a memory stick
- Data protection - auto save and resume capability
- Soft foot check – measure, correct and save results
- Protected against dust, water and grease in compliance with classification IP 65 and IP 67
- PC freeware ALIGNMENT REPORTER is used to backup measurement files and print reports

Powerful options

- 3-Machine train alignment
- Ability to enter alignment targets and thermal growth values including input of dial indicator readings
- Fixed feet selection – resolves base-bound and bolt-bound problems
- InfiniRange® extends detector measurement range to handle gross misalignment
- Multipoint mode – measurement at any 3 or more positions over 60° rotation or wider
- Alignment of vertical and flange-mounted machines
- Alignment of cardan and spacer shafts
- RF module for wireless data transmission Heavy-duty rechargeable Li-Ion battery
- The PC software ALIGNMENT CENTER supports 2-way communication between a PC and the system, and is used for editing, archiving and printing professional color reports

Alignment results in 3 steps:
1. Enter dimensions,
2. Rotate shafts,
3. Display alignment condition.

Available in intrinsically safe version ATEX/Ex/IECEx. CE conformity.

reddot design award
product design 2007

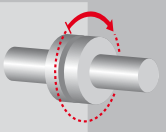
Plant Engineering PRODUCT of the YEAR 2007

The integrated OPTALIGN® smart RF module allows wireless data transmission from the transducer to the computer.

Automatic evaluation of alignment

TolChek® – Dynamic tolerances evaluate the alignment condition based upon the machine RPM. The LEDs and Smiley provide visual indication of the alignment condition and the update status during machine correction.

Continuous sweep mode



Sweep mode – As the shaft is rotated, data is automatically and continuously collected. OPTALIGN® smart determines the alignment condition with a shaft rotation of as little as 60°. Measurement can start at any shaft position and in any direction. This mode is quick and captures hundreds of measurement points, hence more accurate than the 3-clock positions measurement method. Most rotating machines require an accuracy close to that attained by the continuous sweep mode.

SWEEP™

PRÜFTECHNIK
Alignment Systems GmbH
Freisinger Str. 34
85737 Ismaning
Germany
Tel +49 89 99616-0
Fax +49 89 99616-100
info@pruftechnik.com
www.pruftechnik.com