OPTALIGN® smart

Precision laser alignment with a twist. Optalign it!

Number 1 in laser precision alignment

PRÜFTECHNIK
Alignment Systems

Precision laser alignment with a twist. Optalign it!

OPTALIGN® smart

Standard features

- Bluetooth® wireless communication and USB interface integrated within the computer
- High resolution backlit TFT screen
- UniBeam® for quick adjustment of the single laser beam
- Alignment of coupled and uncoupled shafts
- Alignment of nonrotatable shafts
- Automatic continuous measurement as shaft is rotated – start and stop rotation at any position
- TolChek® – automatic evaluation of alignment condition
- 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
- Save up to 50 measurement files
- 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
- Customer-defined tolerances
- Verify measurement repeatability using the results table
- Ability to enter alignment targets and thermal growth values
- 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
- Save up to 500 measurement files
- Heavy-duty rechargeable Li-Ion battery
- Bluetooth® RF module for transducer
- 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 'smart' steps:
1. Enter dimensions,
2. Rotate shafts,
3. Display alignment condition.

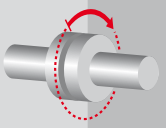
PRÜFTECHNIK Alignment Systems is the market leader in precision laser alignment. Our 'Made in Germany' hi-tech instruments are used in four-fifths of the top industrial organisations around the world. OPTALIGN® smart is our latest laser precision shaft alignment system.

The integrated OPTALIGN® smart **Bluetooth® interface** allows wireless data transmission from the transducer to the computer via the optional Bluetooth® RF module.

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.

PRÜFTECHNIK
Alignment Systems GmbH
Oskar-Messter-Strasse 15
85737 Ismaning
Germany
Tel +49.89.99616-0
Fax +49.89.99616-100
info@pruftechnik.com
www.pruftechnik.com