

OPTALIGN[®] smart

Precision laser alignment with a twist. Optalign it!

Number 1 in laser precision alignment

PRÜFTECHNIK

Dimensions

150 RPM 1500

60

Machine A

Machine B

Ø250

300

400

Distance between feet of the right machine.

OPTALIGN[®] smart



PRÜFTECHNIK
Alignment Systems

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.



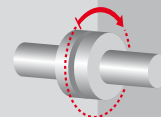
The integrated OPTALIGN® smart **Bluetooth® interface** allows wireless data transmission from the transducer to the computer via the optional Bluetooth® RF module.

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.



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