

OPTALIGN[®] smart **RS5**

The power of precision shaft alignment



- RS5 sensor with XL HD detectors and MEMS inclinometer

- SWEEP measurement mode

- Concurrent 'Live Move'

- Flip machines functionality

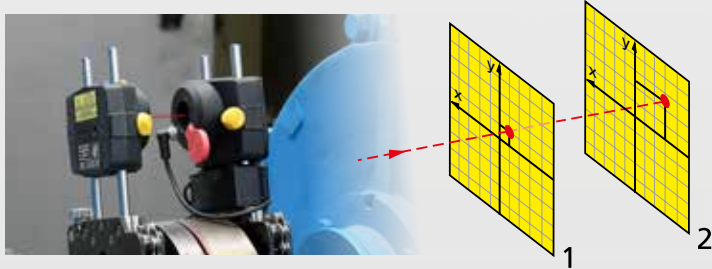
- Bluetooth[®] communication



OPTALIGN® smart RS5

The measurement principle

The RS5 sensor contains two XL HD position sensitive detectors and a MEMS inclinometer to precisely measure the exact position of the laser beam as the shafts are rotated.



Bluetooth® communication



OPTALIGN® smart RS5 integrates a Bluetooth® module for convenient and flexible wireless data transmission from the sensor to the computer.

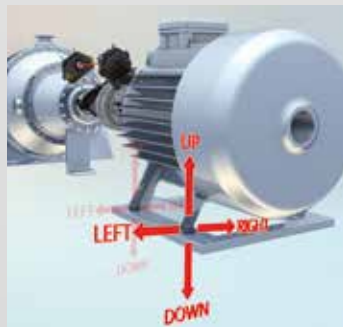
Continuous SWEEP measurement



As shafts are rotated, hundreds of readings are automatically taken to precisely calculate the alignment results. Measurement can start in any direction with the sensors at any position.

Concurrent Live Move

Monitor the machine corrections in both horizontal and vertical directions concurrently with laser and sensor located at any rotational position on the shafts.



Alignment results in 3 steps:

- ▶ Enter dimensions
- ▶ Rotate shafts
- ▶ Display measurement result

Standard features

- Bluetooth® module for wireless data transmission
- Live Move – concurrently monitors horizontal and vertical corrections
- Alignment of horizontal, vertical and flange-mounted machines
- Alignment of coupled, uncoupled and non rotatable shafts
- Soft foot check – measure, correct and save results
- Automatic continuous measurement as shaft is rotated – start and stop rotation at any position
- Automatic evaluation of alignment condition with TolChek® and user-defined tolerances
- Results table to verify measurement repeatability
- Flip machines to swap the position of the machines e.g. motor and pump
- Fixed feet selection – resolves base-bound and bolt-bound problems
- InfiniRange® extends detector measurement range to handle any amount of misalignment
- Checking the effects of pipe strain on machine
- Static measurement mode – requires any 3 of the 8 available 45° measurement positions
- Save reports as PDF directly to a USB stick
- Data protection – auto save and resume capability

Powerful options

- 3-machine train alignment
- Enter alignment targets and thermal growth values including input of dial indicator readings
- Multipoint mode – measurement at any 3 or more positions over 60° rotation or more
- Alignment of cardan and spacer shafts
- Heavy-duty rechargeable Li-Ion battery
- ALIGNMENT CENTER software to manage measurement files and create reports



TolChek®



For industrial use



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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
A member of the PRÜFTECHNIK group