TECHNICAL DATA

PULLALIGN®

Industry leading laser pulley alignment tool

PRÜFTECHNIK

EASY TO USE

- Quick, simple, complete pulley alignment—no training required
- Efficient one-person operation

PRECISE

- Reflected laser technology doubles the distance, enhancing accuracy

LIGHT, ROBUST, RUGGED

- A small tool in your bag to take anywhere

UNIQUE DESIGN

- No small parts to get lost
- Strong magnets mount to any size pulley or sprocket

Get more out of your belt-driven systems by assuring proper alignment

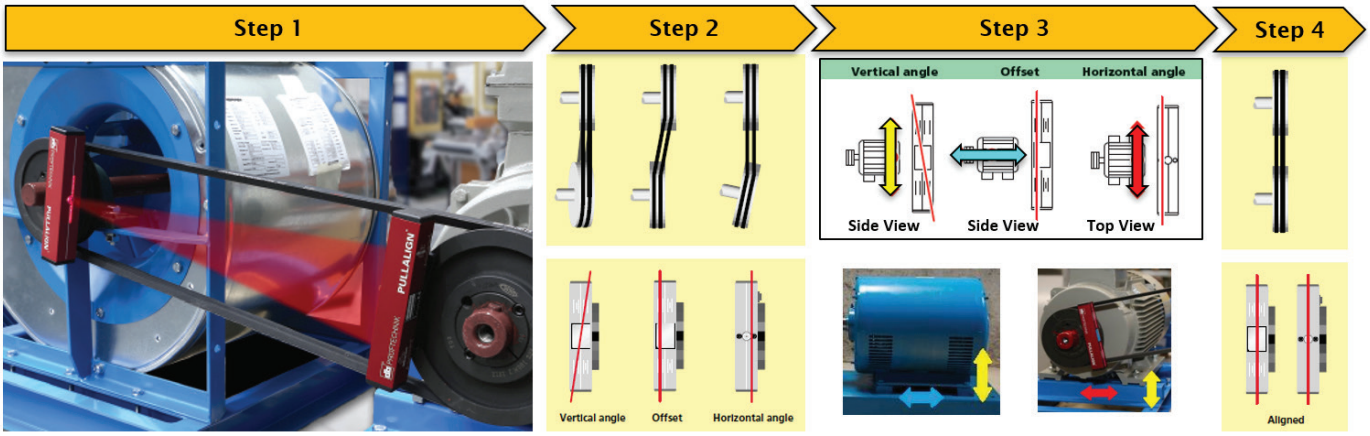
It's a known fact—all rotating machinery is susceptible to misalignment. An aligned pulley system reduces belt wear, power losses, and vibration of machinery, leading to improved performance.

Still using wires and straight edges to ensure your belt-drive machines are properly aligned? You could be losing thousands of dollars per year in replacement bearing and belt costs, hours of unnecessary repair time, and crippling unplanned downtime, not to mention taking years off your machine's useful life.

How PULLALIGN® provides fast, easy, accurate pulley alignments:

- Tailor-made for pulley alignment jobs because it is easy to use and only requires a single operator.
- The strong magnets on the two units mount onto virtually any pulley face, making it the ideal partner for most pulley alignment jobs.
- It leverages the proven OPTALIGN® reflected beam principle for maximum angular resolution to generate accurate and reliable readings.
- Its time-saving method requires no cross-checking and shows offset, vertical, and horizontal angle simultaneously.
- With four AAA batteries, PULLALIGN® provides 25 hours of continuous use.
- Corrections are quickly made live; genuine alignment is achieved when the transmitted laser line and the corresponding reflected laser line harmonize with the respective reference line.

Alignment belt pulleys in four simple steps

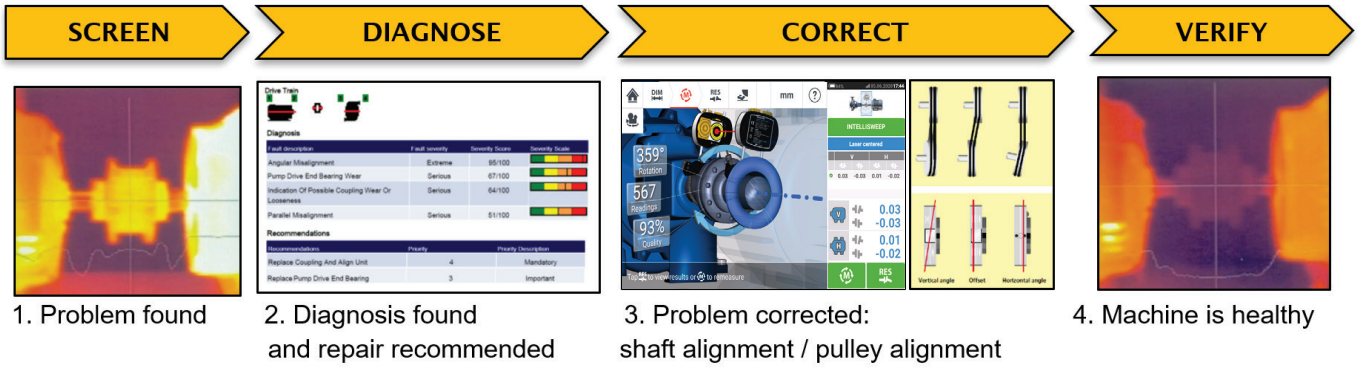


1. Initiate the PULLALIGN® laser and mount the units on the faces to be aligned.

2. The position of the transmitted laser line on the reflector indicates vertical angularity and offset. Horizontal angularity is indicated by the position of the reflected laser line on the transmitter.

3. Make adjustments while observing the laser lines on the reflector and the laser units:
   - Correct vertical angularity by shimming moveable machine observing the correction on the reflector.
   - Correct offset by shifting moveable machine axially observing the reflector unit.
   - Correct horizontal angularity by shifting moveable machine horizontally observing correction on the laser unit.

4. Genuine alignment is achieved when the transmitted laser line and the corresponding reflected laser line harmonize with their respective reference lines.



Fluke Reliability tools help keep your plant up and running

Fluke Reliability offers a complete line of predictive maintenance tools designed to help maximize plant uptime. Whether you're using a Fluke vibration analyzer to diagnose fault and severity, or a Fluke thermal imager to evaluate machine health, our tools help you reduce production gaps and lower maintenance repair costs.

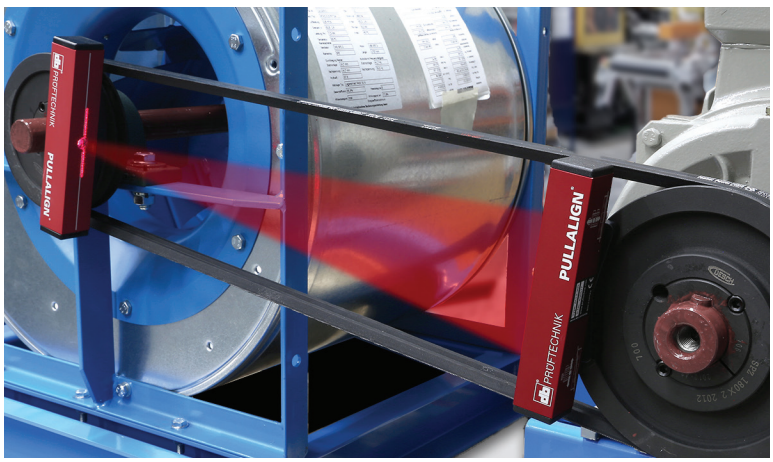
Here's how Fluke Reliability tools work together to solve problems: A vibration meter or thermal imager will find a malfunctioning machine, and a vibration analyzer diagnoses the issue. Fluke Reliability shaft alignment tools correct shaft misalignment, and the **PULLALIGN®** addresses pulley misalignment. Finally, the vibration meter or thermal imager will determine for you if the machine gets a clean bill of health.

Ordering Information

PULLALIGN®, Laser Pulley Alignment Tool

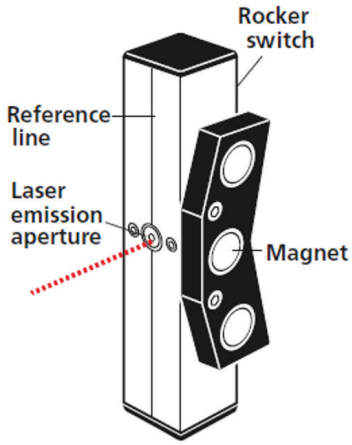
Includes:

PULLALIGN® laser unit (red laser), 4 batteries (AAA), **PULLALIGN®** reflector unit, fabric carrying pouch, safety info



PULLALIGN® laser

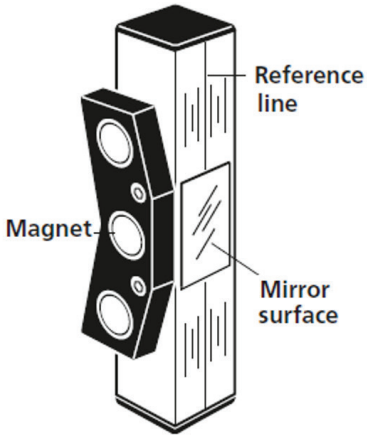
General specifications	
Accuracy	0.2°
Laser wavelength	650 nm (red)
Output power	< 1.0 mW
Classification class	2
Measuring distance	10 m between units
Laser line length	7 m at 5 m distance
Controls	Laser ON/OFF rocker switch
Battery type	4 AAA alkaline batteries
Operating time	25 hours
Operating temp	-5°C to 40°C
Storage temp	-10°C to 70°C
Mounting method	Strong magnets
Weight	0.3 kg
Dimensions	37 x 40 x 170 mm
Housing	Red anodized aluminum



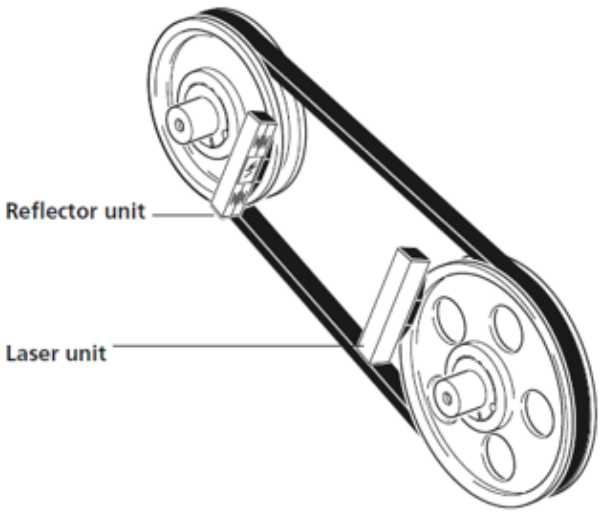
Laser unit

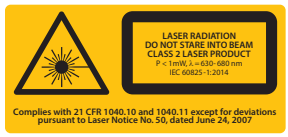
PULLALIGN® reflector

General specifications	
Accuracy	0.2°
Reflector size	21 x 32 mm
Mounting method	Strong magnets
Weight	0.27 kg
Dimensions	37 x 40 x 170 mm
Housing	Red anodized aluminum



Reflector unit





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