



P·A·T

Pulley Alignment Tool

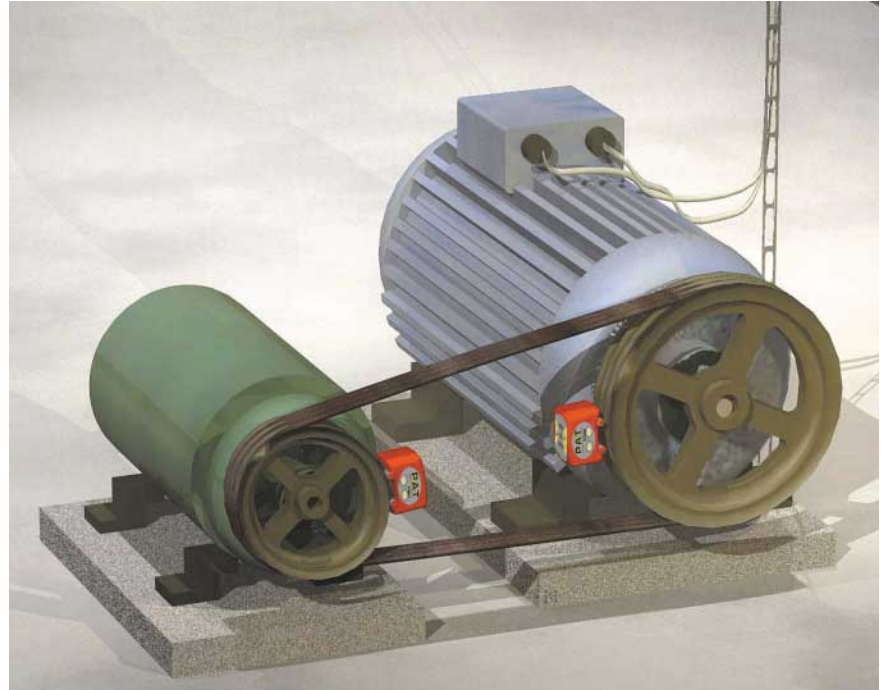
FIXTURLASER

Benefits of belt drive alignment:

- ▶ Minimizes downtime
- ▶ Minimizes unplanned stops
- ▶ Extended operating time between services
- ▶ Extended lifetime of drive belts and components
- ▶ Reduced vibrations and belt noise

Fixturlaser P A T features:

- ▶ Easy to use - No training required
- ▶ Quick - One person operation
- ▶ Precise - Uses the belt groove as reference
- ▶ Measures angular, parallel and twist errors simultaneously
- ▶ Selfguided attachment
- ▶ Just two units to handle
- ▶ Rigid and lightweight units



Fast, Easy and Accurate alignment of belt drive pulleys.

With the Fixturlaser P A T you are never in doubt on how your pulleys are aligned. The Fixturlaser P A T uses the belt groove as reference, guaranteeing that the alignments are accurate.

Two identical units are attached to the pulleys by super magnets and the built in reference guides aligns the unit to the belt groove. Each unit generates a laser line on the opposite mounted unit's target. Adjust the pulley until the laserline aligns with the target -and you are done.

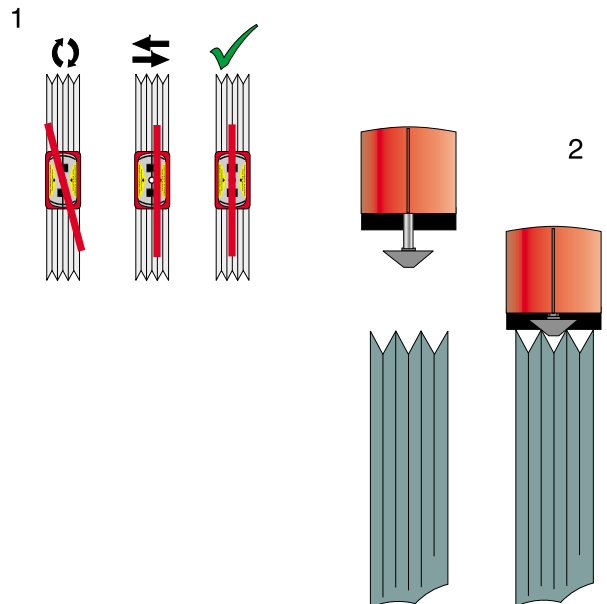
No risk for mistakes, no dependence on pulley surface quality.

The system consists of two identical, battery operated, units projecting a calibrated laser line on the opposite mounted unit. The accurately graduated target label makes it easy to adjust the machines to an aligned position.³⁴

The easier way of alignment

The Fixturlaser P A T units are very easily mounted on the pulley. The spring action probe finds the center of the belt groove. Then you just firmly press the unit towards the pulley until the super magnets snap it in place.

The alignment process is as easy as the mounting. Just turn on the lasers and look at the opposite mounted Fixturlaser P A T unit. The laser draws a line on the target label as in the illustration below. If necessary, adjust your machines position until the laser lines are aligned with the center mark on the target label.



Technical data

Housing material:	Precision moulded PA (ABS)
Dimensions:	68 x 92 x 65mm
Weight:	300 g/unit
Battery type:	2 x R6 (AA) 1.5V per unit
Operating time:	Approx. 18 hrs continuous operation
Measuring distance:	Distance between units 200mm - 6000mm
Measuring accuracy:	Better than 0.5mm or 0.2 degrees
Pulley diameter range:	From 70mm and larger (standard)
Pulley belt groove width:	10mm - 40mm (standard)
Laser class:	Class 2
Laser scattering angle:	10m at 6m distance
Output power:	1mW
Laser wavelength:	600 - 650nm
Patent pending:	SE0000024-0

P.A.T.
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