Acoem PAT

THE FINAL SOLUTION TO ALL YOUR BELT ALIGNMENT NEEDS!

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CREATING ENVIRONMENTS OF POSSIBILITY

Acoem PAT

Acoem PAT - the final solution to all your belt alignment needs!

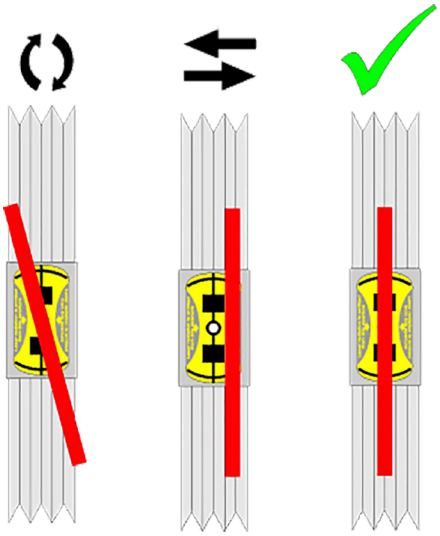
With the Acoem PAT you are never in doubt on whether your belt transmissions are aligned or not. By using the groove as reference, you will achieve a precise alignment which reduces belt wear, bearing failures and vibrations.

The visible red laser line makes it easy to determine the position of your belt driven machines.

The alignment process is as easy as the mounting. Just turn on the lasers and look at the opposite mounted unit. The laser draws a line on the target label as in the illustration below. If necessary adjust your machine position until the laser lines are aligned with the centre mark on both units.

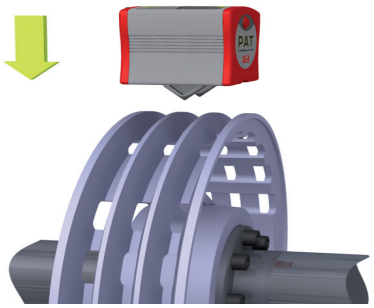
Two transmitters with visible red laser line

The Acoem PAT comes with two line laser transmitters, each equipped with two spring loaded guides which fit into the pulley grooves. The Acoem PAT is equipped with various sized removable guides to fit standard sheave sizes A-E (6 mm - 40 mm). Additional guides for alignment of timing belts are available as accessories.

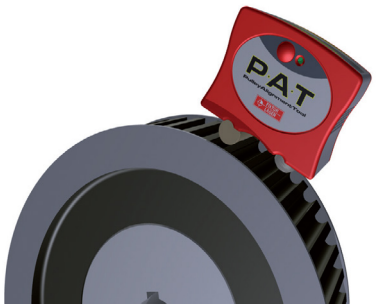


The use of two laser transmitters with integrated targets makes it very easy to find out what kind of alignment that is required. Parallel offset, angular error and twist is instantly visible to the operator. Within a few minutes the operator can determine if the machine requires alignment or not.

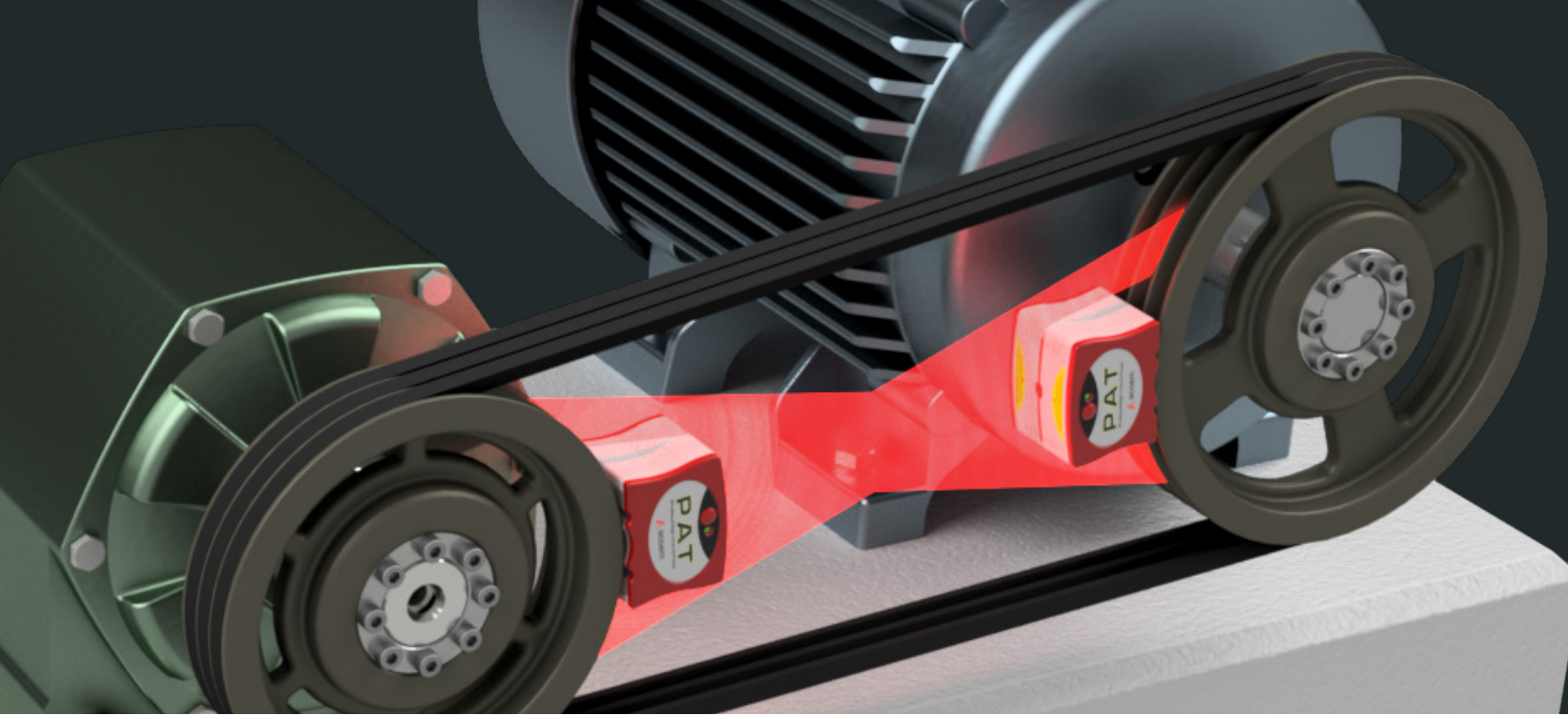
Intuitive User Interface



The Fixturlaser PAT units are very easily mounted on the pulleys. The spring action probe finds the center of the belt groove. The industrial built-in magnets snap the units to the pulley in a perfect fit.



Optional equipment makes it possible to align timing belt riven machines.



What's included

- 2 boxes of V-guide tips
- 1 pair of laser transmitters
- 4 batteries, LR 03 1.5V (AAA)

Technical specifications

PAT - COMPLETE SYSTEM	
Weight (incl. all standard parts)	1,5 kg (3,3 lbs)
Storage Temperature	-20 to 70°C (-4 to 158°F)
CASE	
Material	High Impact ABS Plastic
Sealing	Dust, water (5m/16 feet), and air tight with air pressure compensation valve
Drop Test	3 m (10 feet) on to concrete floor
Dimensions	250 x 180 x 80 mm (9,84 x 7,09 x 3,15 inch)

MEASURING UNITS	
Housing Material	Extruded aluminum (molded PA cover)
Operating Temp	0 to 40°C (32 to 104°F)
Relative Humidity	10 – 90%
Weight	340 g (12 oz)
Dimensions	61 x 77 x 61 mm (2,4 x 3 x 2,4 in)
Laser	630 - 680 nm class II diode laser
Laser Line Fan Angle	90°
Laser Power	< 1 mW
Measurement Distance	50 mm - 6000 mm (1,97 - 236,22 in)
Measurement Accuracy	Better than 0,5 m (0,02 in) or 0,2 degrees
Pulley Diameter Range	From 75 mm (2,95 in) and larger (standard)
Pulley Belt Groove Width	6 mm - 40 mm (0,23 - 1,57 in) (standard)
Power Supply	2 pcs of LR03 (AAA)1,5 V per unit
Operating time	20 hours of continuous operation

About **Acoem**

Creating environments of possibility

At Acoem, we create environments of possibility - helping organisations find the right balance between progress and preservation - safeguarding businesses and assets, and maximising opportunities while conserving the planet's resources. We deliver unrivalled, interoperable AI-powered sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

Together with 150 distributors, our 800+ employees work across 27 offices, 5 manufacturing facilities and 3 R&D centres in 11 countries to provide trusted, holistic data solutions for customers worldwide.

Acoem links possibilities with protection.

For more information, please visit **acoem.com**

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