

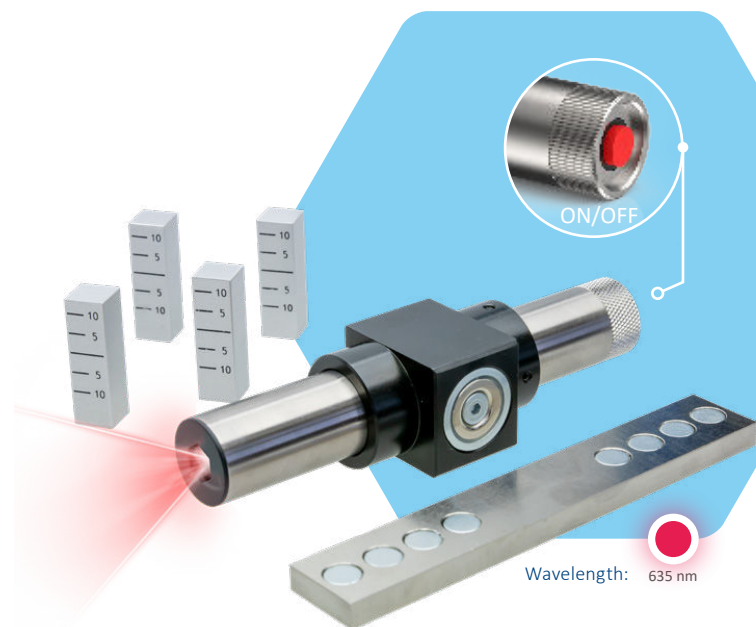
Z5A Belt-Aligner

The laser-based belt drive alignment tool

The Belt Aligner is a tool that has proven its worth a thousand times over for aligning drive wheels. It is based on a battery driven line laser from the ZAT series. It sits compactly and perfectly aligned in a specially designed mounting block. The red laser line runs exactly parallel to the magnetic contact surface. With the help of target markers, drive wheels and impellers can be safely aligned in an idle state.

Scope of supply

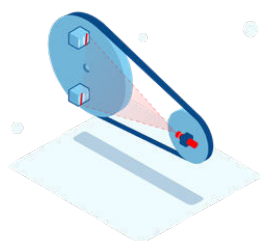
- Battery operated line laser in magnetic bracket
- 1pc. levelling plate, magnetic
- 4 pcs. measuring markers, magnetic, Aluminium
- 1 pc. battery (AA)
- Packed in a robust plastic case



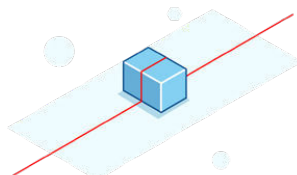
Highlights

- Battery or rechargeable battery operation with polarity protection
- On/off switch
- Exactly calibrated red line
- 5mW output power
- Strong magnetic mount (100 N)
- Protection class IP40

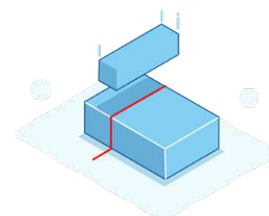
Sample applications



belt drive alignment tool



very straight line



highly accurate positioning applications

System specifications

Wavelength	nm
Output power	mW
Laser class	(typical)
Projection	
Line thickness	(at 2.000mm focus)
Line height	(above reference surface)
Focus	
Boresight-Error	

635
5 mW
1M (EN60825-1)
Standard line, 90° fan angle
1 mm
19 mm
Fixed focus at 2.000 mm
0.5 mrad

Electrical specifications

Operating voltage
Connection
Modulation

1.5 V (AA Battery) or 1.2 V (rechargeable battery)
Battery powered, Lifetime: 15 bis 20h
no

Technical specifications

Dimensions laser module	(L x Ø)
Dimensions magnetic bracket	(L x W x H)
Material Housing / magnetic bracket	
Diameter magnetic area	
Weight	
Protection	

124 mm x 20 mm
49 mm x 27 mm x 32,5 mm
Nickel-plated brass / aluminum, black anodized
20 mm
with magnetic bracket ca. 250 g
IP40

Environmental conditions

Operating temperature	(passive cooling)
Storage temperature	
Humidity (max.)	

-10 °C bis +40 °C
-10 °C bis +50 °C
<80 %, non-condensing

