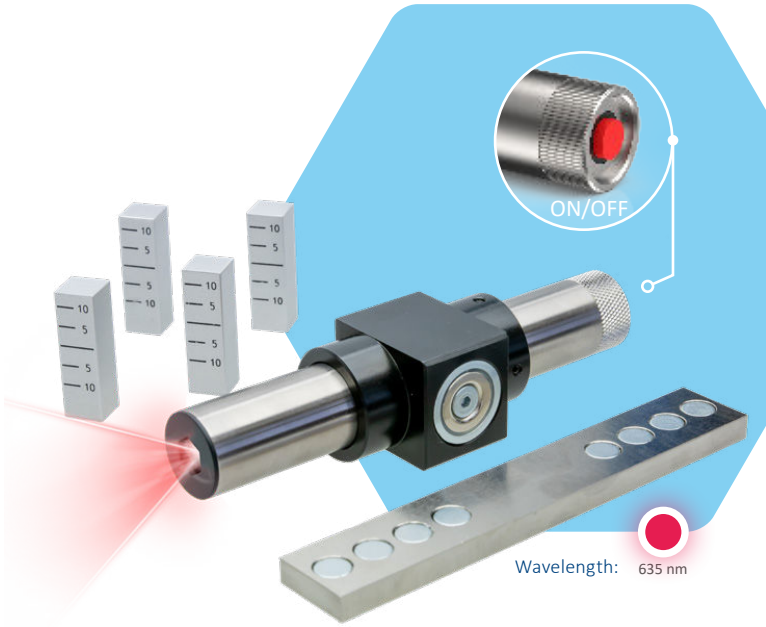
Z5A Belt-Aligner

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.



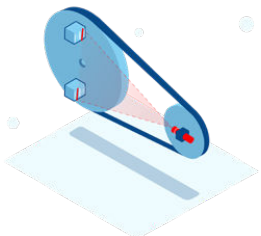
Scope of supply

- 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

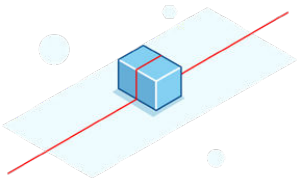
Highlights

- 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

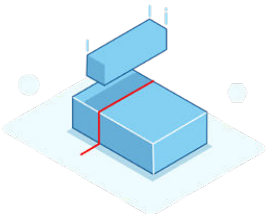
Sample applications



belt drive alignment tool



very straight line



highly accurate positioning applications

System specifications

Wavelength	nm	635
Output power	mW	5 mW
Laser class	(typical)	1M (EN60825-1)
Projection		Standard line, 90° fan angle
Line thickness	(at 2.000mm focus)	1 mm
Line height	(above reference surface)	19 mm
Focus		Fixed focus at 2.000 mm
Boresight-Error		0.5 mrad

Electrical specifications

Operating voltage	1.5 V (AA Battery) or 1.2 V (rechargable battery)
Connection	Battery powered, Lifetime: 15 bis 20h
Modulation	no

Technical specifications

Dimensions laser module	(L x Ø)	124 mm x 20 mm
Dimensions magnetic bracket	(L x W x H)	49 mm x 27 mm x 32,5 mm
Material Housing / magnetic bracket		Nickel-plated brass / aluminum, black anodized
Diameter magnetic area		20 mm
Weight		with magnetic bracket ca. 250 g
Protection		IP40

Environmental conditions

Operating temperature	(passive cooling)	-10 °C bis +40 °C
Storage temperature		-10 °C bis +50 °C
Humidity (max.)		<80 %, non-condensing