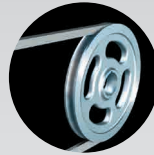
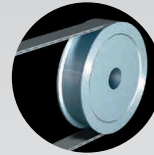


E180

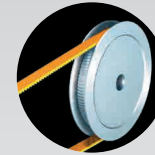
Bluetooth®



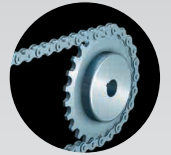
V-BELT



FLAT BELT

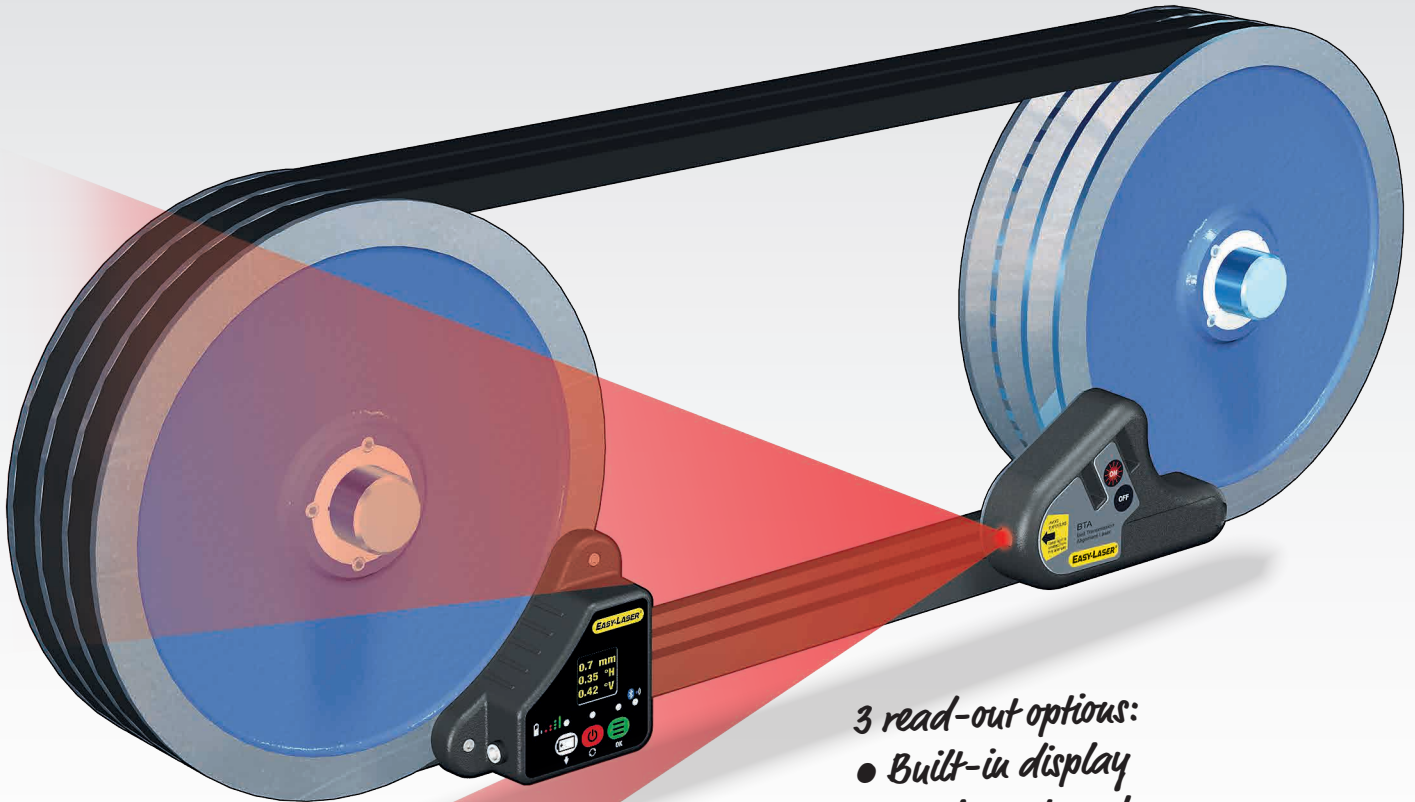


TIMING BELT



CHAIN DRIVES

Fits almost any kind of sheave!



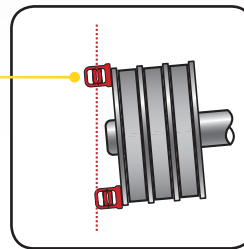
3 read-out options:

- Built-in display
- Analogue targets
- Connect to display unit*

Built-in display:
Offset (mm or inch)
Horizontal angle
Vertical angle



Targets:
Aligned when
laser hits slots
at both targets



Display unit:
Full graphic
interface with
possibility to docu-
ment the result*



BELT ALIGNMENT

Alignment of belts, sheaves and pulleys with digital precision

EASY-LASER®

- The adjustment values are always displayed live
- Much faster and more accurate than measuring with earlier, conventional methods
- Alignment can be made by one operator
- Also suitable for non-magnetic sheaves
- Save and document the results *
- Read off alignment results continuously where the adjustment is made *

* Display unit not included. Possible when used together with an Easy-Laser® display unit from a shaft alignment or geometric measurement system.

EXTEND THE LIFE OF BELTS AND SHEAVES

EASY TO USE

Easy-Laser® BTA is attached in a few seconds (magnets) with the laser transmitter on one of the sheaves and the detector on the other. The program guides the user on how to mount the units. The transmitter generates a laser plane parallel to the reference sheave. The detector reads the position in relation to the laser plane and provides a live digital display of both offset and angular value. This makes the alignment of the adjustable machine very simple. The accuracy of the digital readout also means that you can align within prescribed tolerances and rely on the result. Using a separate display unit* makes it all even easier, as you can read off and follow the adjustment at the precise point on the machine where the adjustment is made.

ALIGNMENT SAVES MONEY

When aligning with the Easy-Laser® BTA you reduce the wear on sheaves/pulleys, belts, bearings and seals as well as reducing vibration. Increased efficiency also means large energy cost savings. Especially transmissions with two or more belts, or wide belts, are highly affected by misalignment, causing large differences in belt tensions and also increased wear and tear on edges.



TECHNICAL DATA

Easy-Laser® E180 BTA, Part No. 12-0796

- 1 Laser transmitter
- 1 Detector
- 2 Targets
- 1 Charger (100–240 V AC) with cable
- 1 Carrying case, WxHxD: 270x225x80 mm [10.6"x8.8"x3.1"]

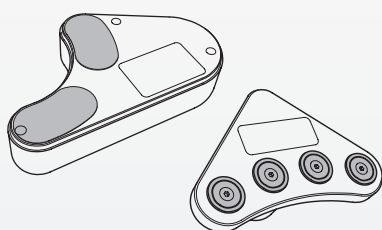
Laser transmitter

| | |
|-------------------|--|
| Sheave diameters | Ø60 mm [2.5"] and larger |
| Laser class | 2 |
| Output power | <1 mW |
| Laser wavelength | 635–670 nm |
| Beam angle | 60° |
| Accuracy | Laser plane – Reference plane: Parallelity: < 0.05°, Offset < 0.2 mm [0.008"] |
| Battery type | 1xR6 (AA) 1.5 V |
| Battery operation | 8 hours continuously |
| Material | ABS plastics / Hard anodized aluminium |
| Dimensions | WxHxD: 145x86x30 mm [5.7x3.4x1.2"] |
| Weight | 270 g [9.5 oz] |

Detector unit

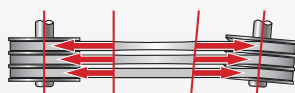
| | |
|----------------------|---|
| Measurement distance | Up to 3 m [9.8'] between Transmitter and Detector |
| Measurement range | Axial offset: ±3 mm [0.12"], Angular value: ±8° |
| Display type | Yellow OLED 96x96 pixels |
| Connection | Bluetooth® wireless technology |
| Battery type | Li-Po |
| Battery operation | 5 hours continuously |
| Material | ABS plastics / Anodized aluminium |
| Dimensions | WxHxD: 95x95x36 mm [3.7x3.7x1.4"] |
| Weight | 190 g [6.7 oz] |

*The E180 BTA can be used as a separate tool. It also works with the BTA program in the display unit of system E710, E540, E530, and most of the E9xx systems.

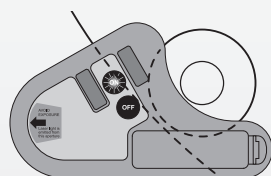


Magnetic reference surface on both transmitter and detector for easy attachment to the sheaves.

On non-magnetic sheaves the units can be mounted with double sided tape, thanks to the low weight.



Difference in belt forces.



Thanks to the clever design the units fit small as well as large sheaves.

CONNECT TO A DISPLAY UNIT

Using a separate display unit* makes it all even easier, as you can read off and follow the adjustment at the precise point on the machine where the adjustment is made.

You can also save the results in the display unit's internal memory and produce a PDF report.

*Possible with system E530, E540, E710 and most of the E9xx systems. Ask your dealer for more information.

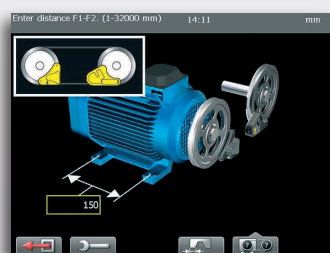


Fig. 1. The program guides you on how to mount the units on the sheaves.

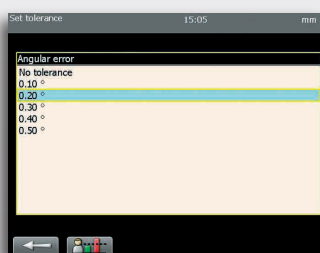


Fig. 2. You can set a tolerance of 0.10°–0.50°, or a value you specify yourself.

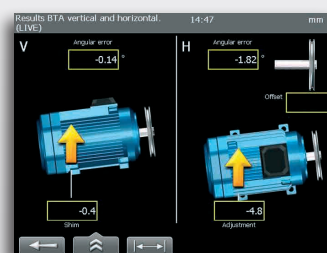


Fig. 3. Shim and adjustment values are displayed live for easy alignment. Green values=within tolerance, red=outside.