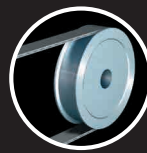


# EASY-LASER<sup>®</sup>

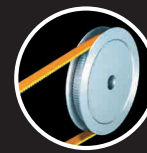
*Fits almost any kind of sheave!*



V-BELT



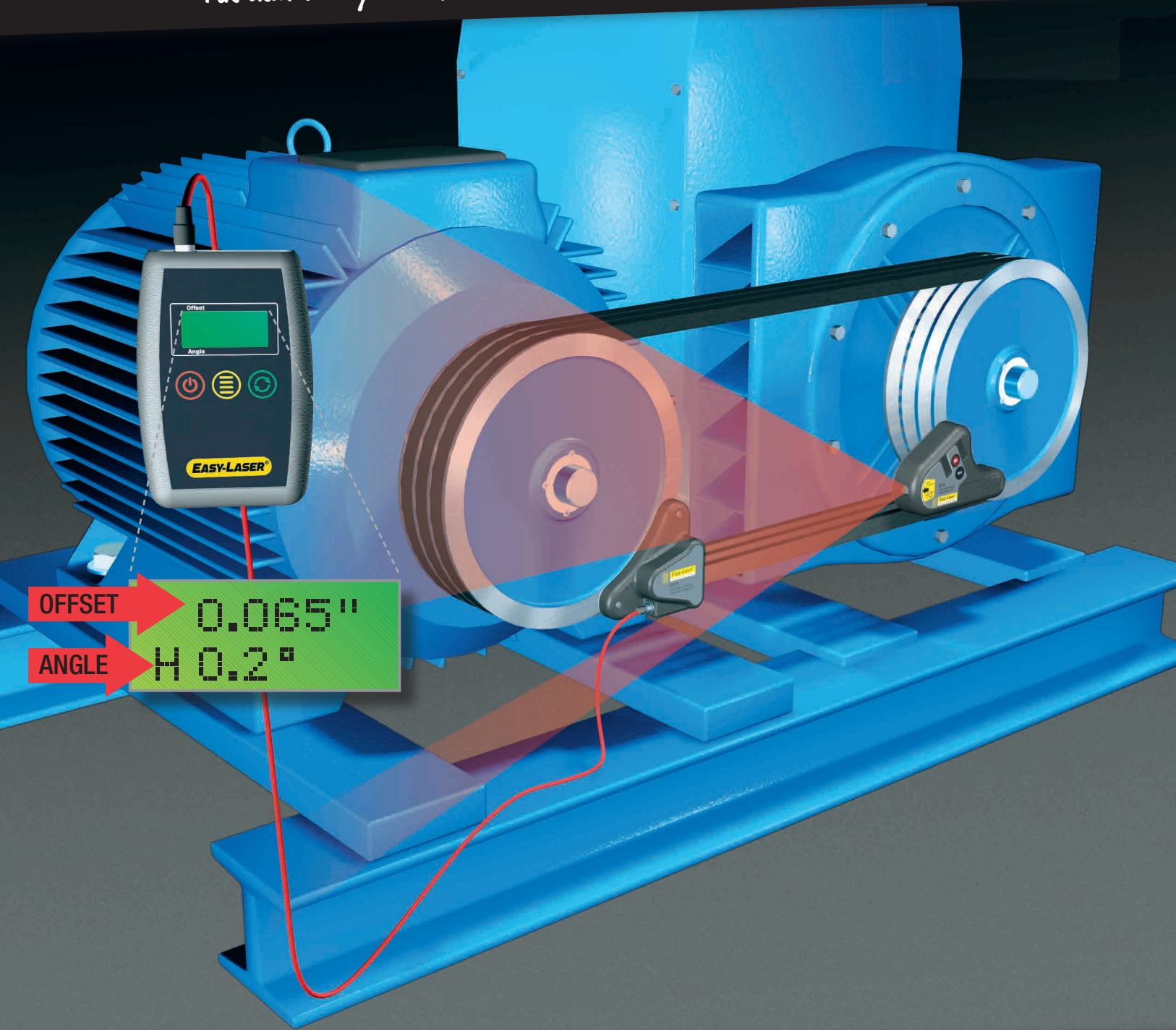
FLAT BELT



TIMING BELT



CHAIN DRIVES



## Belt Alignment

- See alignment results live at the location on the machine where adjustments are made
- Shows the parallel and angular misalignment between the sheaves with digital precision
- The adjustment values are always displayed live
- Much faster and more accurate than measurement by earlier, conventional methods
- Alignment can be made by just one technician
- Also suitable for non-magnetic sheaves

# D160

**EASY TO USE**

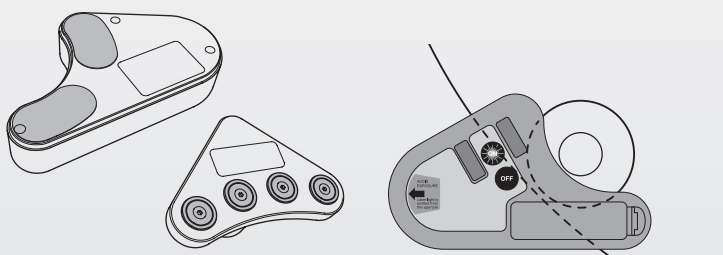
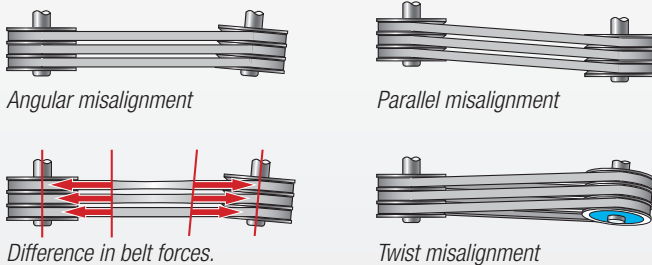
Easy-Laser® BTA is attached in a few seconds (via magnets) with the laser transmitter on one of the sheaves and the detector on the other. The transmitter generates a laser plane parallel to the reference sheave. The detector reads the position in relation to the laser plane and provides a live digital display of both offset and angular values. This makes the alignment of the machine to be adjusted very simple. The accuracy of the digital readout lets you align within prescribed tolerances and rely on the result.

The separate display unit makes it all even easier, as you can read off and follow the adjustment at the location on the machine where you are performing the adjustment. The display is also backlit for optimum visibility in poor lighting conditions.



**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 susceptible to damage from misalignment, causing large differences in belt tensions and also increased wear and tear on edges.



Magnetic reference surface for easy attachment to the sheaves. On non-magnetic sheaves the units can be easily clamped in place, thanks to the low weight.

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

**Easy-Laser® D160 BTA, Part No. 12-0411**

1	Display unit
1	Laser transmitter
1	Detector
2	Targets
1	Cable
1	Carrying case, WxHxD: 340x275x85 mm [13.4"x10.8"x3.3"]

**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 < 0.008" [0.2 mm]
Battery type	1xR6 (AA) 1.5 V
Battery operation	8 hours continuously
Material	ABS plastics / Hard anodized aluminium
Dimensions	WxHxD: 5.7x3.4x1.2" [145x86x30 mm]
Weight	9.5 oz [270 g]

**Detector unit**

Display	2-row backlit LCD
Displayed resolution	Changeable between mm/inch. Axial offset: 0.005" [0.1 mm]. Angular value: 0.1°
Battery type	1xLR61 9 V
Battery operation	24 hours continuously
Material	ABS plastics
Dimensions	WxHxD: 3.1x4.7x0.9" [78x120x23 mm]
Weight	6.0 oz [170 g]

**Targets**

Type	2 pcs. magnet targets with adjustable center line
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**Cable**

Length	78.7" [2 m]
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Easy-Laser® is manufactured by Easy-Laser AB, Alfagatan 6, SE-431 49 Möndal, Sweden  
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**LUDECA**

Keep it running.

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