FIXTURLASER GO Basic

Fixturlaser

Brand of ACOEM

Welcome to our world.

Since the very beginning in 1984, ACOEM AB has helped industries throughout the world to achieve more profitable and sustainable production. We have reached where we are today by having the courage to think beyond the norm and follow slightly unconventional paths. We have had the courage to make mistakes and find new directions. Through our resolve, ambition and knowledge we have become a global player and a leader in innovative, user-friendly shaft alignment.

TPS

TRUE POSITION SENSING

- Live Values during Adjustment
- VertiZontal Moves = Measure Once, Move in Two Directions
- Both Shaft Positions Monitored Simultaneously

GRASP

GRASP

- Icon Based – Adaptive User Interface

iAI

ALIGNMENT INTELLIGENCE

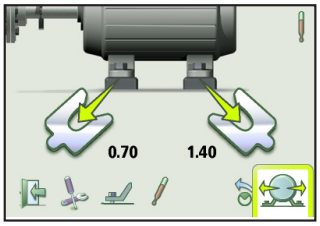
- 2nd Generation Sensor – Allows for High Repeatability
- All Digital System
- Unparalleled Signal Control

Prolong your machines' life time with the Fixturlaser GO Basic

Our entry product, the Fixturlaser GO Basic, comes with high tech hardware and software, and many functions to increase the user friendliness. As with all the other Express Alignment products, the Fixturlaser GO Basic also uses the innovative and remarkable Express Alignment measurement units that will save you a lot of time and headache.

Adaptive User Interface – the VertiZontal Function

When all measurements have been registered, the Fixturlaser GO Basic will recommend you how to proceed depending on the measurement result. If the machine is misaligned, you will be recommended to move on and a shims result view appears; the VertiZontal Moves function has entered your alignment process. The Fixturlaser GO Basic calculates how much you need to remove or add shims in order to correct the machine vertically. When moving on to horizontal correction, the system goes live and will deliver real time values during the adjustment phase. No remeasurements in between adjustments are necessary, as you are never in doubt of the machine's true position.



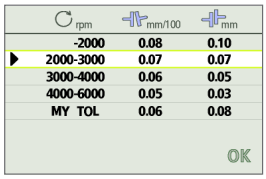
Power Management System – the Resume Function

The Fixturlaser GO Basic has an exceptional power management system with an integrated resume function. It will automatically save all critical data if and when it goes into energy saving mode or if the battery goes flat. It will automatically resume to where you left off, when you turn on the system again – that is our exceptional Resume Function!

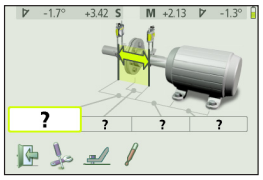
Fixturlaser

Start

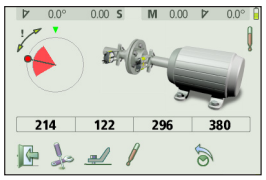
Select Tolerance



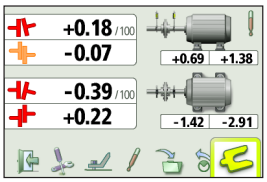
Select Distance



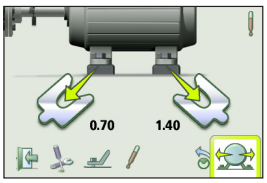
Measure



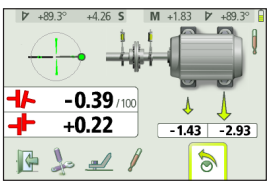
Evaluate Results



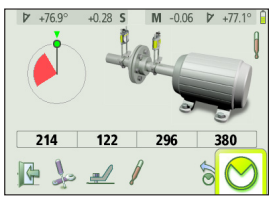
Correcting Vertically



Correcting Horizontally



Re-measure



Measurement Technique and Accuracy

All Fixturlaser shaft alignment tools use two measurement units, i.e. two laser beams. With the integrated innovative technology, 30 mm CCD sensors and line laser, we have virtually eliminated rough alignment. This is a benefit you would not enjoy with the measurement technique that uses only one laser beam. With such an alignment tool, you would have to remeasure after each and every adjustment.

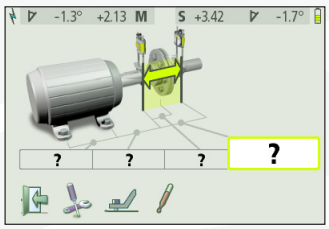
The measurement units also deliver extremely high measurement accuracy.

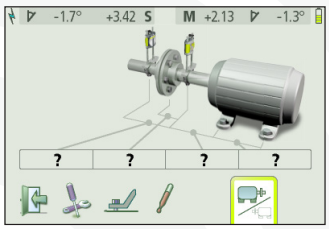
Also, the CCD sensors allow for digital signal quality control, further enhancing the measurement accuracy.

The dual high performance inclinometers in the sensor units have the highest angle accuracy of the units in each measurement position in the market will give you the best possible measurement results, which will result in improved machine health and prolonged life time

Pick Your View with the Screen Flip

Confusing when the display screen does not show the machine from the same angle as your view of it? No problem, we have a solution for that as well – the Screen Flip. It enables you to see the machine set-up from the actual view that you have of the machine.





Saving and Documentation

Saving is handled by using the Memory Manager function; the Fixturlaser GO Basic has the capacity to store 350 measurements.

Documentation of measurement reports is really easy. By connecting the display unit to the PC's USB connection, the files are rapidly transferred using the Explorer function in the PC.

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FIXTURLASER GO BASIC - COMPLETE SYSTEM

Weight (incl. all standard parts): 5,0 kg (11,0 lbs)

DISPLAY UNIT

Weight:	0.66 kg (1.46 lbs) with batteries
Dimensions:	205 mm x 116 mm x 56 mm (8.1 in x 4.6 in x 2.2 in)
Environmental protection:	IP 54
Flash storage memory:	500 MB
Display:	Color TFT-LCD backlit
Display size:	4” diagonal (84 x 56 mm)
Power supply:	3 x 1.5V LR-14 (C) Alkaline batteries or 1.2V NiMH HR-14 Rechargeable Nicke Metal Hydride cells
Operating time:	12 hours typical use

TD UNITS

Weight:	170 g (6,0 oz)
Dimensions:	79 mm x 77 mm x 34 mm (3,4 in x 3,0 in x1,3 in)
Environmental Protection:	IP 65
Measurement Distance:	Up to 5 m (16,4 feet)
Detector:	CCD
Detector Length:	30 mm (1,2 in)
Detector Resolution:	1 µm (0,04 mils)
Measurement Accuracy:	0,3% ± 7 µm (0,3% ± 0,28 mils)

SHAFT BRACKETS

Shaft diameter:	Ø 25 – 175 mm (1in – 6.9in) With extension chain Ø 25 – 450 mm (1in – 18in)
Rods:	4 pcs 150 mm (5,9 in)

Horizontal Shaft Alignment
Determine and correct the relative position of two horizontally mounted machines that are connected, such as a motor and a pump, so that the rotational centers of the shafts are collinear.

Vertical Shaft Alignment
Determine and correct the relative position of two vertically/flange mounted machines that are connected, such as a motor and a pump, so that the rotational centers of the shafts are collinear.

Softcheck™
Softcheck™ checks if there is a soft foot condition, i.e. when the motor is not resting firmly on all its feet.

Target Values
Pre-set target values before starting your alignment work when you have determined the machines thermal expansion.

Memory Manager
Measurements can be organized in folders and subfolders. Single measurements and/or complete data structures can be copied to USB stick.

1. Display unit **2.** Fixturlaser M2 Shaft brackets complete incl. 2 rods, 150 mm Chain, 470 mm **3.** Fixturlaser S2 Shaft brackets complete incl. 2 rods, 150 mm Chain, 470 mm **4.** USB cable **5.** 2 pcs Cable XA 3 meter **6.** Tape measure 5 m **7.** 2 pcs Angled universal tool **8.** 3 pcs Battery LR 14 C-Cell

ACOEM AB is a global player and leader in developing innovative, user-friendly equipment for shaft alignment. By helping industries worldwide to become perfectly aligned, and eliminating anything that might not be, we minimize unnecessary wear and production stoppages. This will ultimately make our customers more profitable and our environment more sustainable.

LIFETIME WARRANTY

ISO 9001
ISO 14001

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P.O. Box 7 SE - 431 21 Mölndal - SWEDEN
Tel: +46 31 706 28 00 - Fax: +46 31 706 28 50
E-mail: info@fixturlaser.se - www.fixturlaser.com

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