

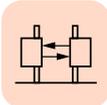


ALiSENSOR® SHAFTLASER™

Modern Shaft Alignment



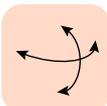
Video instructions and demos in the Help Menu



Rugged, wireless laser based measuring units



Versatile Shaft Brackets - mount to shafts with chains or attachable magnets



3D machine view with custom user rotation



Only requires two 20° rotations of the shafts



Easy-to-understand results in a 3D layout of Vertical and Horizontal values



Graduated Tolerance Control showing acceptable and excellent tolerances



Photo documentation easily inserted into the report



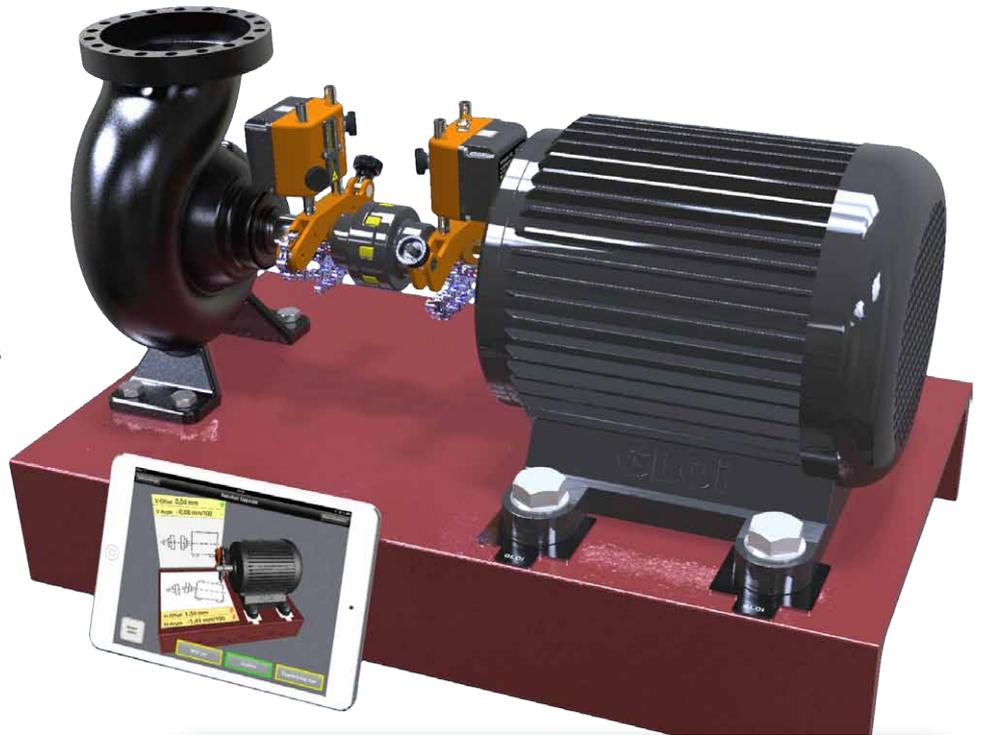
Instant on-screen signing of the reports



User's company logo quickly and easily added to documentation



Immediate distribution of the reports through email, AirPrint, Dropbox, or cloud services

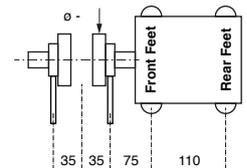


Report Shaft Alignment

PRODUCTS

Machine-ID Pump #35	Date 2013-11-12, 3:21 PM
Company Products Inc.	Operator John Smith

Notes



rpm	Acceptablt ✓		Utmärkt ★	
	Offset (mm)	Vinkel fel (mm/100)	Offset (mm)	Vinkel fel (mm/100)
0000-1000	0,13	0,10	0,06	0,06

S/N Unit S: 3028
S/N Unit M: 3029

Soft Foot Check Performed: Yes



Result

As Found	Vertical	Horizontal	As Corrected	Vertical	Horizontal
Offset	-0,09 ✓	0,00 ★	Offset	-0,13 ✗	0,06 ★
Angle (mm/100)	-0,18 ✗	0,27 ✗	Angle (mm/100)	0,32 ✗	0,08 ✓
Front Feet	-0,28	0,29	Front Feet	0,22	0,14
Rear Feet	-0,48	0,58	Rear Feet	0,57	0,23



Signature _____ 2013-11-12

J. Smith

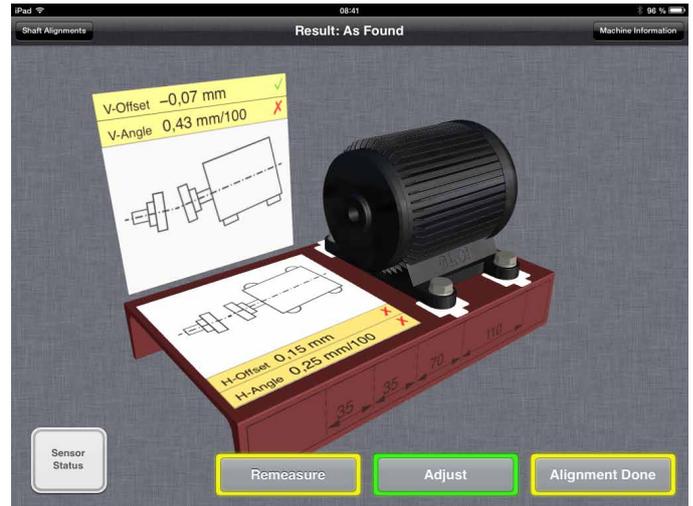
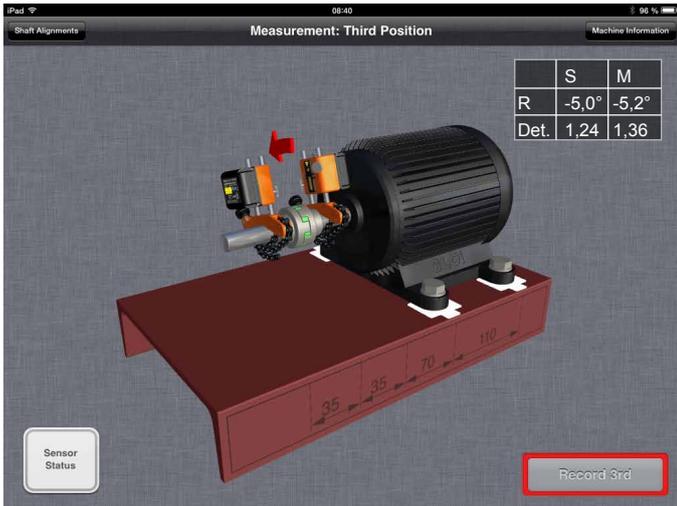
ALiSENSOR® SHAFTLASER™





GLO's core development team has an illustrious history of over 30 years of designing and developing some of the world's best-selling laser shaft alignment systems. GLOi has refined that expertise and modernized it by integrating the iPad - making shaft alignment easier, more reliable, and more affordable than ever!

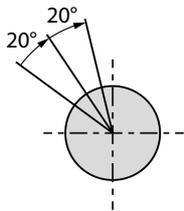
ALiSENSOR SHAFTLASER™ is a laser-based shaft alignment system utilizing the reverse dial indicator method. The measurement units communicate wirelessly (Bluetooth) with an iPad or iPhone. The ALiSENSOR® ShaftLaser™ offers the user a quick startup, a large color display, and unique functions like camera, e-mail and internet connectivity. These are only a few of the reasons that the ALiSENSOR® ShaftLaser™ system is revolutionizing shaft alignment!



The machine on the screen can be rotated to show the measurement from the desired position. The software guides the user through the most effective way to perform the alignment. The user can either perform a standard 9-12-3 clock position measurement, or if there is limited room for shaft rotation, the system enables users to use only two 20° rotations of the shafts.

The alignment values for offset and angle in both vertical and horizontal planes are displayed in a 3D layout with live alignment diagrams and tolerances.

Red and Green indicators clearly show if the alignment is within or outside the selected tolerances.



A minimum of only two 20° rotations of the shaft are needed for alignment!



Shaft Alignment Soft Foot



Each measurement unit contains a laser, a 20mm [0.8"] detector, a rechargeable battery and communicates wirelessly. It is sealed and compact enough for use on small machines and where space is limited.

The universal shaft fixture is compact and has a thickness of only 15mm [0.6"]. Supplied with a chain as well as magnets for radial and axial mounting on shafts and couplings.



The software is available as Apps, available for free on the Apple App Store.

Shaft Alignment

Premature shaft and coupling failures, excessive energy loss, excessive wear, increased vibrations and noise are all signs of misaligned machinery. Shaft alignment is the process of aligning two or more coupled machines so the rotating shafts have a common centerline within the specified tolerance. The deviation from a common centerline normally occurs as a combination of offset and angle between the two shafts in vertical and horizontal directions.



The software shows if shims should be added or removed to correct the vertical misalignment through an easy-to-understand animation.



Adjust according to the yellow arrows, or simply use the alignment diagram that is updated in real time. The misalignment values are also updated continuously and the user instantly sees if the alignment is within tolerance.

Directly after an alignment has been performed the user is able to share the report with any interested party. This can be done using e-mail, print-outs or cloud services like Dropbox. Potential additional adjustments can be discussed, since all relevant information is available in the reports.

Report Shaft Alignment
PRODUCTS

Machine-ID
Pump #35

Company
Products Inc.

Date
2013-11-12, 3:21 PM

Operator
John Smith

Notes

rpm	Acceptabelt ✓		Utmärkt ★	
	Offset (mm)	Vinkellet (mm/100)	Offset (mm)	Vinkellet (mm/100)
0000-1000	0,13	0,10	0,06	0,06

S/N Unit S: 3028
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Soft Foot Check Performed: Yes

Result		
As Found	Vertical	Horizontal
Offset	-0,09 ✓	0,00 ★
Angle (mm/100)	-0,18 ✗	0,27 ✗
Front Feet	-0,28	0,29
Rear Feet	-0,48	0,58

Result		
As Corrected	Vertical	Horizontal
Offset	-0,13 ✗	0,06 ★
Angle (mm/100)	0,32 ✗	0,08 ✓
Front Feet	0,22	0,14
Rear Feet	0,57	0,23

Signature
.....
J Smith

2013-11-12

ALISENSOR® SHAFTLASER™

The report is automatically created when the alignment is finished. The operator can simply sign it, and it is ready to be shared. The report shows the measurements for "As Found" and "As Corrected" side-by-side.

Report Soft Foot check
PRODUCTS

Machine-ID
Pump #35

Company
Products Inc.

Date
11/12/13, 08:15 AM

Operator
John Smith

Notes

Result		
As Found	Vertical	Horizontal
Offset	0,45 ✗	0,02
Angle (mm/100)	0,03	0,55 ✗
Front Feet	0,22	0,14
Rear Feet	0,57	0,23

Result		
As Corrected	Vertical	Horizontal
Offset	0,05	0,02
Angle (mm/100)	0,03	0,05
Front Feet	0,22	0,14
Rear Feet	0,57	0,23

Signature
.....

2013-11-12

ALISENSOR® SHAFTLASER™

The Soft Foot check is performed in a separate App.



GLOi AB provides:
2 year warranty
Quick service and support
Custom fixture manufacturing



Technical data

System	
Measurement range	Up to 3 m [10 feet]
Shaft diameter w. chains	Ø20-Ø450 mm [Ø0.8"-Ø17"]
Weight (including iPad)	3.3 kg [7.3 lbs]
Case dimensions	300x300x120 mm [12"x11"x4"]
Measuring Units	
Detector length	20 mm [0.8"]
Measuring errors	Less than $\pm 1\%$ + one digit
Resolution	0.001 mm [0.05 mils]
Inclinometer resolution	0.1°
Line laser	Red 650 nm
Laser class	Safety class 2
Wireless communication	Bluetooth LE
Operating time per charge	10 h (continuous)
Environmental protection	IP65
Material	Anodized aluminum, Acetal
Weight	200 grams [7 oz]
Dimensions	64x52x50 mm [2.5"x2.1"x2"]

The system contains:

- 2 Measuring units
- 2 Shaft fixtures
- 2 Extension chains
- 4 Extension rods
- 8 Magnets
- 1 Tape measure
- 1 Allen wrench
- 1 Plastic box with bolts for the magnets
- 1 Split charger cable
- 1 Case

The case is prepared for an iPad mini, including charger.



ALiSENSOR SHAFTLASER™ is made by
GLOi AB
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