



**FIXTUR  
LASER**

# FIXTURLASER® *Dirigo*

*Fast, easy and precise shaft alignment*

## Precision shaft alignment re-invented

The Fixturlaser Dirigo puts laser alignment accuracy within reach of everyone! The ergonomically designed control unit fits comfortably in one hand. The live display means that you will get instant feedback when shimming or moving the machines. This eliminates the guesswork and back and forth you're suffering through now. All this at an affordable price that means a really quick payback.

### Fast, Easy, Precise

The Fixturlaser Dirigo features a unique "laser line" instead of the traditional laser dot. This makes setup and alignment much easier, as the line is wide and is easily projected to the laser detector.



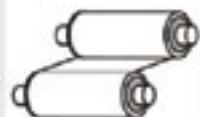
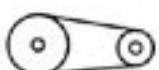
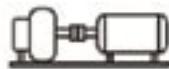
*With Fixturlaser Dirigo you get the alignment result after just 3 pushed buttons.*

The Fixturlaser Dirigo also features graduated labels on the laser heads, that work with the laser lines, to help the operator "visualize" the misalignment condition. This visual cue reinforces the digital values that are displayed on the unit, and makes evaluation and correction of misalignment an easier process. This is very useful when performing rough alignment. The alignment data is continuously updated. All movements of the motor are simultaneously displayed on the screen. The measurement results

are displayed with a resolution of 0,01mm. As you shim or move the machine the values update to let you know exactly where you are each step of the way. This means no more guessing about the shim amount, or how much to move a machine. With the Fixturlaser Dirigo laser alignment system there is no interpreting of the values as with dial indicators. The position sensitive detectors precisely measure the misalignment. The large LCD display clearly presents the position of the machinery being aligned.

# straight to the point

**FIXTURLASER®**  
**Dirigo**



## Content

- Display unit
- 2 measuring units with spirit levels
- 2 mechanical shaft fixtures
- 2 locking chains
- 2 extension chain
- Measuring tape
- Instructions for use
- Certificate of calibration
- Set of alignment reports
- Carrying case

## Accessories

- Shims
- Extension chains



## Technical specification\*

### Measuring units:

Type of laser	Diode laser
Laser wave length	670 - 675 nm
Laser class	2
Maximum laser power	1 mW
Maximum distance between measuring units	0,850 m (2.8 ft)
Type of detectors	Single axis PSD, 8.5 x 0.9 mm (0.3 x .04 in)

### Complete system:

Shaft diameter range	40 - 150 mm (1.6 - 5.9 in)
Extension chain	150 - 500 mm (5.9 - 20 in)
Accuracy of system	Better than 2%
Temperature range	0 - 40°C (32 - 104°F)
Operating humidity	< 90 %
Carrying case dimensions	390 x 340 x 95 mm (15.4 x 13.4 x 3.7 in)
Total weight (incl. Case)	3.7 kg (8.1 lb)
Calibration certificate	Valid for two years
Warranty	12 months

### Display unit:

Battery type	2 x 1,5V LR14 Alkaline
Operating time	20 hours continuous operation
Displayed resolution	0,01 mm (0.1 mil in "inch" setting)

\* Specifications are subject to changes without prior notice.



FIXTURLASER AB

Box 7  
SE-431 21 Mölndal  
Sweden

Phone: + 46 31 706 28 00  
Fax: + 46 31 706 28 50  
Email: info@fixturlaser.se  
Web: www.fixturlaser.com

