



# FIXTURLASER<sup>®</sup>

## Dirigo

*Fast, easy and precise shaft alignment*

*The Fixturlaser Dirigo in short:*

*Fast set-up, fast results*

*Easy to learn,  
easy to use*

*One hand operated*

*Live values during  
alignment*

*Measurement resolution  
down to 0,01 mm*

## **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.

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 0,01 mm. 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 measure the misalignment precisely. The large LCD display clearly presents the position of the machinery being aligned.



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

### **Fixturlaser Dirigo Combo - laser based alignment in one case**

Fixturlaser also offers the unique opportunity to purchase the package Fixturlaser Dirigo Combo at a very advantageous price and conveniently packed in the same case.

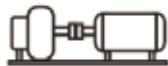
The package consists of Fixturlaser Dirigo for shaft alignment and Fixturlaser PAT for belt

alignment. Contact your local distributor for more information!



*A Fixturlaser PAT measurement unit mounted on timing belt.*

FIXTURLASER®  
**Dirigo**



## Content

Display unit  
2 measuring units with spirit levels  
2 mechanical shaft fixtures  
2 locking chains  
2 extension chains  
1 tool  
Measuring tape  
Instructions for use  
Certificate of calibration  
Alignment documentation  
Carrying case

## Accessories

Extension chains  
Rod, 150 mm, for extension

## Fixturlaser Dirigo Combo

Fixturlaser Dirigo system content  
Fixturlaser PAT system content



## Technical specification\*

### Measuring units:

|                     |   |
|---------------------|---|
| Type of laser       | Diode laser                                   |
| Laser wave length   | 650 nm  |
| Laser class         | 2   |
| Maximum laser power | 1 mW  |
| Measuring distance  | 70 - 850 mm (2.7 inch - 2.8 ft)               |
| Type of detectors   | Single axis PSD, 8.5 x 0.9 mm (0.3 x 0.04 in) |

### Complete system:

|                           |   |
|---------------------------|---|
| Shaft diameter range      | 30 - 500 mm (1.2 - 20 in)               |
| Locking chain             | 500 mm (20 in)                          |
| Accuracy of system        | <2% +/- 0,01 mm                         |
| Temperature range         | 0 - 40°C (32 - 104°F)                   |
| Operating humidity        | < 90 %                                  |
| Carrying case dimensions  | 410 x 330 x 170 mm (16.1 x 13 x 6.7 in) |
| Total weight (incl. case) | 5 kg (11 lb)                            |
| 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.



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