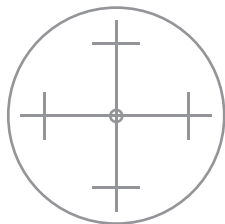


# Modern Alignment

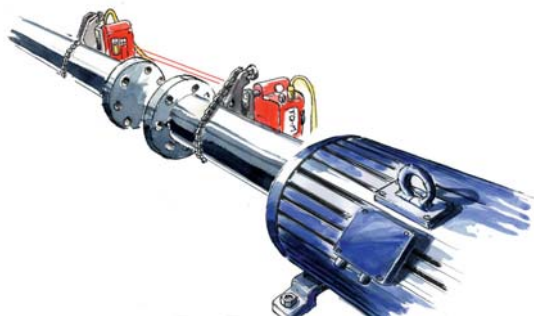
## Fixturlaser



### Fixturlaser Services

- Shaft alignment
- Straightness
- Parallelism
- Plane measurement

Parker Maritime has for many years been involved in alignment of machinery, pumps, fans, shafts etc. For this purpose the company has invested in the Fixturlaser XA which is specially designed for such measurements. Modern high speed machinery demands an accurate alignment to achieve optimal economy. Poor alignment leads to faults in couplings, seals and bearings. This is the reasons for approximately 50% of all breakdowns.

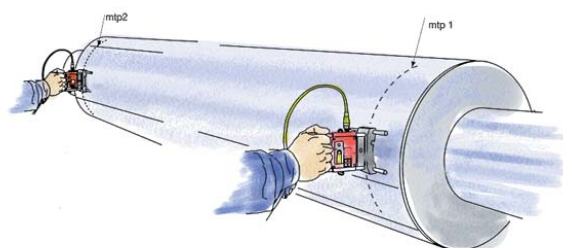


Poor alignment can cause power consumption to be as much as 15% above normal.

#### Area of use

Clocks have traditionally been used for alignment of machinery and other equipment.

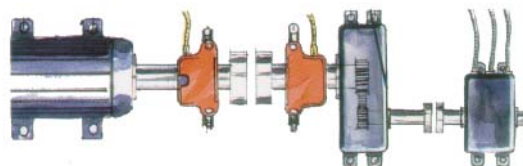
Typical laser applications are measurements of straightness and flatness of objects such as machine tables, machine guides, rollers, or any component in your facility that requires high precision alignment and positioning.



Alignment is an important part of the preventive maintenance. The Fixturlaser is quick to mobilise and the measurements can start immediately after arrival on site. Adjustments will be performed while the measurements are done and longer stops can be avoided.

#### Machine trains and couplings

Composition of many elements consisting of multiple joints demand modern alignment equipment. The simplest and most accurate method today is to use modern laser technology.



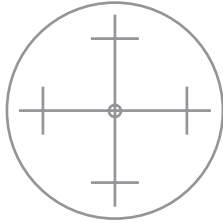
#### Roll alignment

Alignment of rolls are typical areas where the Fixturlaser can be used. Fixturlaser has been designed to position the rolls in site. Quick, simple and accurate.

#### Circular

Flatness and circularity of pedestals and flanges is easy with the Fixturlaser XA





# Modern Alignment

## Fixturlaser

### Fixturlaser services

- Shaft alignment
- Straightness
- Parallelism
- Plane measurement

### Documentation

The equipment includes USB port for output of the result. Data is transferred to a computer for further processing and documentation.

The fixturlaser XA includes software for alignment, flatness and straightness. Parker Maritime has developed special measuring methods and combined with our own 3D software (SC4W) increases the area of use for the Fixturlaser.



Sale of Fixturlaser equipment is coordinated with the IKM Instrutek AS in Norway.



### TRANSMITTER / DETECTOR

Housing material	Precision machined aluminium
Laser class	2
Laser wavelength	675 nm, visible red light
Detector size	Up to 30 mm
Resolution	Better than 0.001 mm
Accuracy	< 0.01 mm
Measuring distance	20 - 50 m
Filter for difficult environment	Steplessly variable 0-60
Light stabilisation	No interference from ambient light

Weight XA 8 kg (complete system)

### DISPLAY UNIT

Housing material	PP covered with Dryflex TM
Error reading	+/-1% + 1 digit
Display type	6,4" TFT-LCD backlit colour VGA
Power supply	Lithium Ion batteries
Included software	Shaft alignment, horizontal machines Shaft alignment, vertical machinery Softfoot, Softcheck TM

### ACCESSORIES

PC-software	Windows software for storage and sorting of measurements
Fixtures	Extra thin chain fixtures Fixtures for non-rotating shafts Universal adapter with magnetic fixtures



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