FIXTURLASER® Shaft 200

SHAFT ALIGNMENT SYSTEM



The Fixturlaser Shaft 200 is a true alignment system providing functions for Measuring, Aligning and Documentation.
The Fixturlaser Shaft 200 is an easy-to-use tool for the entire shaft alignment process including pre-alignment functions as well as memory and data transfer of results for full traceability.

INCLUDED

APPLICATION PROGRAMS

- *Shaft alignment, horizontal machines*
- *Shaft alignment, vertical machines*
- *Alignment of offset mounted machines/cardan shafts*
- *Machine train alignment*
- *Straightness measurement*
- *Data communication*
- *Raw data display*
- *Memory management*
- *System setup*

PROGRAM FUNCTIONS

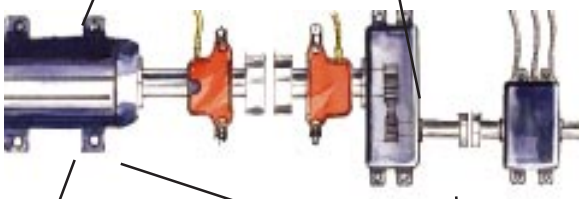
- *Thermal growth compensation*
- *Softcheck™ – soft foot program*
- *Feetlock™ - bolt-bound and base-bound solution*

APPLICATION EXAMPLE

MACHINE TRAIN ALIGNMENT

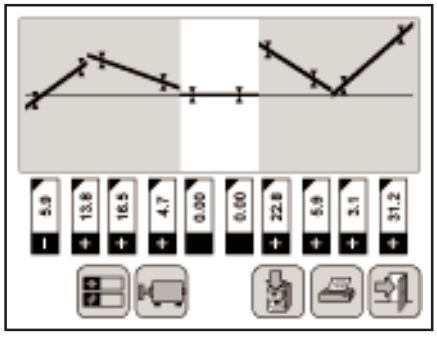
Thermal growth compensation with input of either coupling values, feet values or dial values.

Tripoint™ or Clock method measurement



Straightness measurement of foundations and shafts

Softcheck™ for measurement of softfoot conditions
Feetlock™ for bolt-bound and base-bound conditions



Full documentation through printer, memory and file transfer to PC.

The measurement results are presented graphically. Just touch the machine wanted as reference and all feet values are re-calculated.

FIXTUR LASER

FIXTURLASER® TECH-TALK

FIXTURLASER® Shaft 200

TECHNICAL SPECIFICATION

TRANSMITTER/DETECTOR UNITS

Housing material	Die-cast aluminum
Laser class	Class 2
Laser wavelength	675 nm, visible red light
Detector size	20x20 mm (3/4"x3/4")
Displayed resolution	Selectable 0,1 - 0,01 - 0,001 mm (10 - 1 - 0,1 mils)
Measuring distance	Up to 20 meters (66 feet)
Inclinometer accuracy	± 1° (TD-M unit)
Temperature range	0 - 50 °C (32 - 122°F)
Filter for difficult measurement environment	Steplessly variable
Light stabilization:	No interference from ambient light
Measurement Accuracy:	±1% ±0,003 mm
Dimensions	115x72x42 mm
Weight	0,3 kg

DISPLAY UNIT

Housing material	PP covered with Dryflex™
Display type	6" EL monochrome VGA
Keyboard type	Icon based touch screen
Power supply	4 x 1,5 Volts alkaline batteries
Temperature range	0 - 40°C (32 - 104°F)
Battery lifetime	24 h in cycles of 50% operation and 50% sleep mode
Dimensions	230x180x60 mm
Weight	0,99 kg

COMMON

Measurement principle:	Reversed dial indicator
Environment protection:	IP65
Case dimensions	500x360x180 mm
Weight complete system:	11 kg

TOUCH SCREEN TECHNOLOGY

The user interface is entirely based upon symbols and graphics. The touch sensitive screen provides the user with a clear and easily operated tool displaying only the necessary information. The risk for input and operator errors is minimal. No text is used and the system guides the user towards a perfect alignment.

UPGRADEABILITY

The Fixturlaser Shaft[100] can easily be upgraded adding more comprehensive functions. This protects your investment. You will always be able to add future functions and developments.

ISO9001 AND YEAR 2000 COMPLIANCE.

Fixturlaser AB is ISO 9001 certified. The Fixturlaser Shaft[200] is Year 2000 compliant, which means that the entry into the next millenium will not affect the product in any way.

THIS IS FIXTURLASER SHAFT [200]

1 Rugged aluminum case
2 Combined transmitter/detector units
1 Display unit with software
2 Chain fixtures
2 Magnet bases
2 TD fixtures
2 Cables
Manual
Adcom Dynamic PC software for dynamic measurements



ACCESSORIES

- Printer
  A battery operated printer designed for use with the Fixturlaser platform.
- AC adapter
- Communicator PC Software - Measurement result database
- Non-rotating shafts accessories.
- Extension chains for chain fixtures for shafts with large diameter.
- Leatherette
  Protection cover for the display unit.

CERTIFIED Quality System ISO 9001 SEMKO

YEAR 2000 COMPLIANT

FIXTUR LASER

FIXTURLASER AB
Box 7
SE-431 21 Molndal
Sweden
Phone: +46 (031) 706 28 00
Fax: +46 (031) 706 28 50
E-mail: info@fixturlaser.se
Website: www.fixturlaser.se

CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
Wavelength: 675 nm
Max. Output: <1mW
CLASS II LASER PRODUCT

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