

FIXTURLASER[®]

Shaft²⁰⁰

FIXTUR
LASER

Fixturlaser AB develops, manufactures and markets high precision alignment and measurement instruments for industrial purposes.



Shaft Alignment System

The Fixturlaser[®] Shaft²⁰⁰ is a complete, state-of-the-art alignment system providing functions for Measuring, Aligning and Documentation. The Fixturlaser[®] Shaft²⁰⁰ 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. All of the alignment data is on the screen at one time - angle, offset, foot values and detector values. The large 20mm x 20mm detectors are fully linearized to better than 1 micron accuracy - the result is quick and easy alignment for coupled, uncoupled or limited rotation applications. Dual-laser beam technology eliminates back-lash effects and aids in rough alignment, long spans and uncoupled alignments. The Fixturlaser[®] Shaft²⁰⁰ adds programs for multi-machine train measurements, universal joint (cardan) alignment, straightness and raw data. Each program guides the user through easy measurements providing live, on-screen data.

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, no special or memorized key-strokes are required. The system guides the user towards a perfect alignment and features the One-Step alignment process.

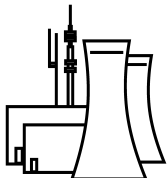
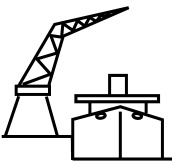
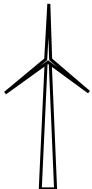
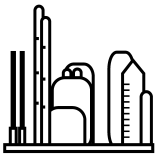
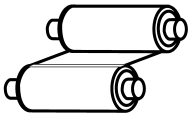
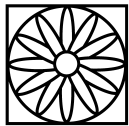
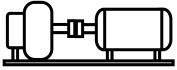
Upgradeability

The Fixturlaser[®] Shaft²⁰⁰ can easily be upgraded to add even more comprehensive functions such as roll alignment and 2-axis geometric alignments (centering, flatness) and application specific functions (extruders, turbines, etc.). This protects your investment. You will be able to add future functions and developments when your process requires it.

The Fixturlaser[®] Shaft²⁰⁰ comes ready to use right out of the box with the following functionality:

- ▶ Shaft alignment, horizontal machines
- ▶ Shaft alignment, vertical machines
- ▶ Tri-point and Clock measuring methods
- ▶ Alignment of offset mounted machines/cardan shafts
- ▶ Machine train alignment
- ▶ Straightness measurement
- ▶ Dynamic Movement measurement
- ▶ Data communication
- ▶ Raw data display
- ▶ RepeatabilityTest for filtering and averaging
- ▶ Memory management
- ▶ Thermal growth compensation
- ▶ Softcheck™ soft foot program
- ▶ Feetlock™ - bolt-bound and base-bound solution
- ▶ Automatic Sleep and Resuem functions
- ▶ and, a printer is included

- **State-of-the-art Shaft Alignment system for aligning ANY machine**
- **Horizontal and Vertical Live values provide for easy alignments**
- **Integrated Dynamic Movement program (thermal growth compensation).**
- **Multiple applications, all easy to use, without constantly re-measuring**
- **Repeatability function assures measurement accuracy**



Our representatives are all engineers and technicians with special knowledge and training in the latest measurement and alignment techniques. An extensive service programme is provided to support all our customers. It includes telephone assistance, hardware repairs, and software updates as well as training and on-site technical services for all measurement applications.

straight to the point

The Fixturlaser Shaft200

- 1 Rugged aluminum case
- 2 Combined transmitter/detector units
- 1 New, improved Display unit with software
- 2 Chain fixtures with extension chains
- 2 Magnet bases
- 2 Offset Brackets
- 2 TD fixtures
- 2 Magnet bases
- 2 Cables, 10 foot with SS connectors
- 1 System Printer
- 1 Manual (printed and electronic)
- 1 Documenter Software for Windows
- 4 Alkaline Batteries

Accessories

- ▶ AC adapter
- ▶ Thin Magnetic Brackets
- ▶ Thin Chain Fixtures
- ▶ Non-rotating Shaft Fixtures
- ▶ OL2R Brackets
- ▶ Cardan Shaft Fixtures
- ▶ Stainless Steel Shims
- ▶ Case-hardened Undercut Bolts
- ▶ Side-align Horizontal Jacking Bolts
- ▶ Sweep Laser Transmitters
- ▶ NIST traceable calibration (clean, check & calibrate service)
- ▶ Annual Extended Warranties



Facts

Measuring distance	Up to 20 meters (66 ft)
Displayed measurement result resolution	0.001 mm (0.1 mils)
Operating temperature range	0-40°C (32- 122°F)
Power supply	Alkaline D cell batteries, 4x1.5 Volts
Operating time	Depending on operation cycle 10 - 20 hrs.
Weight complete system	12 kg (26 lbs.)



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