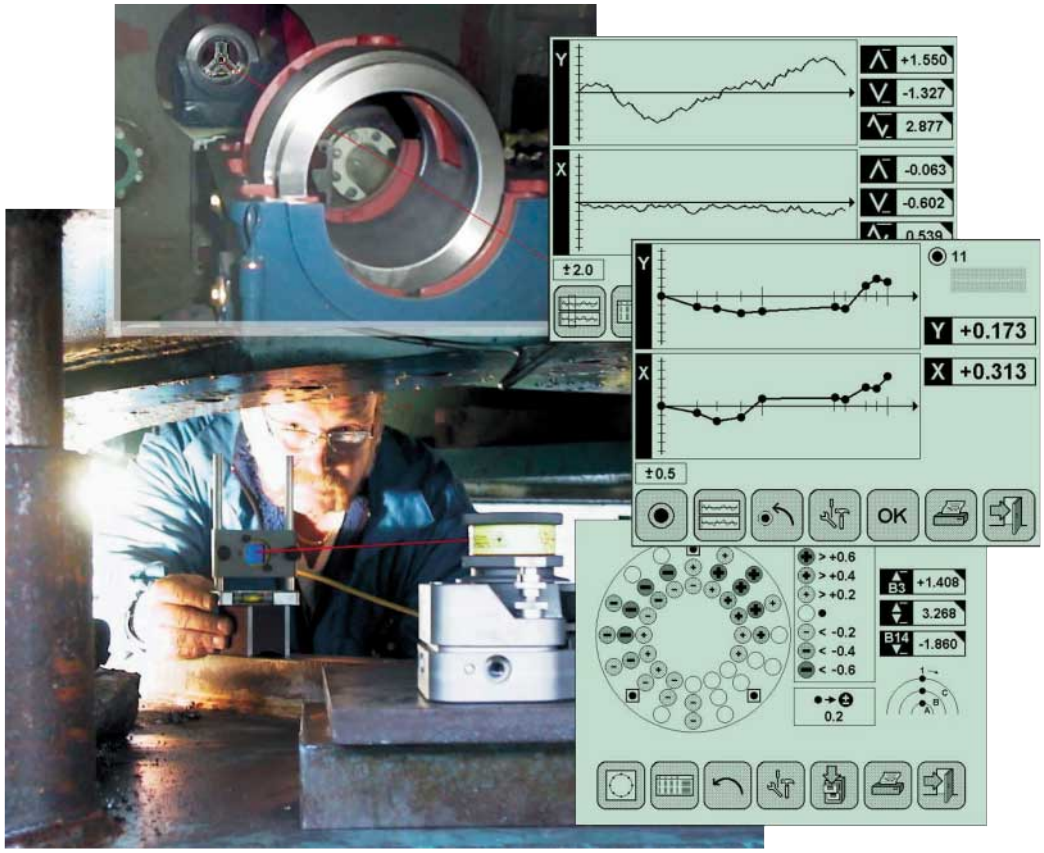
FIXTURLASER®

Geo300-series

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



- **Fully upgradeable to include shaft alignment, roller alignment and geometric measurements.**
- **Measures straightness in up to 99 points.**
- **Measures flatness on square and circular shapes.**
- **Measurement resolution down to 1/1000 mm.**
- **Printer included.**

Geometric alignment systems for precision measurement

The Fixturlaser® Geo^{300}-series is a 2-axes alignment system for measurement, alignment and documentation of machine positioning. Typical applications are measurements of straightness and flatness on objects such as machine tables, machine guides, rollers, or any component in your facility that requires high precision alignment and positioning.

Optimized packages
Depending on the specific application, there are different packages with different laser transmitters and fixtures. Flatness measurements are performed in one axis. Straightness measurements are performed in one or two axes with up to 99 measurement points. Live values are displayed during adjustments.

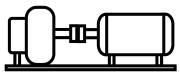
The measurements can be stored with individual comments to each measurement point for transfer to a PC or printed on the supplied printer.

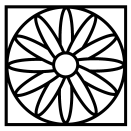
Fixturlaser® Geo^{304}
T111, square housing. Straightness measurements, long distance measurements.

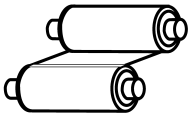
Fixturlaser® Geo^{301}
T210, sweep laser transmitter. Straightness, flatness and perpendicularity, short distance measurements.

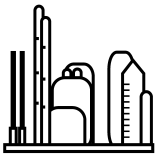
Fixturlaser® Geo^{305}
T220, sweep laser transmitter. Straightness, flatness, levelling and perpendicularity, long distance measurements.

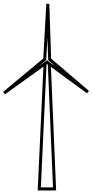
FIXTURLASER® *Geo 300-series*

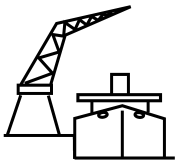


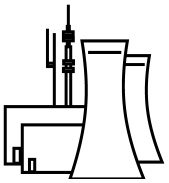












Our representatives are all engineers and technicians with special knowledge and training in the latest measurement and alignment techniques. An extensive service programme is provided to support all our customers. It includes telephone assistance, hardware repairs, and software updates as well as training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

straight to the point

The Fixturlaser® Geo300

2 Rugged carrying cases
1 Dual axes detector unit
1 Display unit with software
1 Laser transmitter: T111, T210 or T220. Brackets and fixtures
1 Cable 3 m
1 Measuring tape
1 Tool
1 System Printer
1 Manual

Accessories

- Fixturlaser® documenter, measurement database software
- Cable 25 m
- Cable 10 m
- Cable 1 m
- Cable for PC communication
- Measurement probe
- T111 laser transmitter
- T220 laser transmitter
- T210 laser transmitter
- Battery pack for T111
- AC adapter for the display unit
- Leatherette protection cover, for the display unit

DU20, Display unit
Handheld battery operated display unit with backlit icon based touch screen interface.

T210, Laser transmitter
Precision machined, hard anodized, housing with micrometer screws for fine adjustments. Detachable prism turret for 360° laser plane. Battery operated.

T220, Laser transmitter
Precision machined, hard anodized housing, with micrometer screws and precision adjustment mechanism. Turret with built-in angular prism for 360° laser plane. High resolution spirit levels in three axes.

R210, Detector unit
Precision machined, hard anodized, housing with high resolution, 0,001 mm, 2-axis detector.

T111, Laser transmitter
Precision machined, hard anodized, housing with micrometer screws for fine adjustments of laser beam. AC-powered.

Facts

Displayed measurement result resolution	0,001 mm (0,1 mils)
Operating temperature range	0-40°C (32- 122°F)
Power supply	All units except the T111 run on standard batteries
Operating time	Depending on operation cycle 10 - 20 hrs.

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Fixturlaser AB
Box 7
SE-431 21 Mölndal, Sweden
Tel: +46 31 706 28 00
Fax: +46 31 706 28 50
E-mail: info@fixturlaser.se
Web: www.fixturlaser.com

Fixturlaser Australia
Offices: Perth & Melbourne
Ph: 1300 882 007
Fax: 1300 886 007
Web: www.fixturlaser.com.au
Email: info@fixturlaser.com.au