The Fixturlaser Roll200 delivers state-of-the-art measurement and alignment capabilities.

- Easy to use and easy to learn — the intuitive user interface guarantees maximum usability.
- High accuracy — one micron resolution (1/1000mm).
- Quick and easy setup means access to alignment wherever and whenever you need it.
- Live values on-screen provide constant feedback on roll position as adjustments are made.
- Flexibility allows use of either floor datum or a selected roll as the reference point for measurements.
- Onboard system memory, plus printer and data ports allow complete documentation of every roll measurement.

**Upgradability**

The Fixturlaser Roll200 is based on the Fixturlaser Platform providing full upgradability to existing and future products. Meaning your initial investment is always protected. The unique upgradability lets you upgrade the Fixturlaser Roll200 with capabilities for shaft alignment, or, if you already have a Fixturlaser Shaft100/200 you can upgrade to a Fixturlaser Roll200.
**The Fixturlaser Roll200**

An easy to use measurement system that tells you where rolls are. An alignment system that helps you position rolls for optimum performance. Plus an easy way to document the alignment. The Fixturlaser Roll200 is designed to do it all.

**What it’s all about**

The Fixturlaser Roll200 is designed to get the roll where they ought to be, quickly, easily and precisely no matter who the user is. In fact, we developed the Fixturlaser Roll200 with different types of potential users in mind. By combining an easy to use graphical user interface with advanced measurement functions, the Fixturlaser Roll200 will suit the experienced metrologist as well as the machine maintenance personnel with limited roll parallel experience.

**The measurement phase**

- Easy set-up gives measurement access when you need it.
- One micron resolution (1/1000 mm).
- Flexible presentation of results: deviation per meter, deviation per roll length or deviation as an angle.
- Reference can be checked any time during the measurement process. You do not need to re-measure the rolls.
- Measurements can be made on rolls of any size or material.
- Every roll can be assigned a user-defined tag.

**The alignment phase**

- Choose the floor datum or any of the measured rolls as reference.
- Align each roll during the measurement phase or after all measurements have been taken.
- On-screen live values guides the operator towards “zero” to achieve alignment.

**The documentation phase**

- Display and graphical output documents of the roll position.
- Horizontal and vertical position related to the reference.
- Communication port for printer and PC connection.
- Date and time stamp.

**The FL100**

The FL100 is a laser transmitter with working range of 100 meters. The laser beam is accurately adjusted in all directions by micrometer screws and spirit levels. The beam can be rotated to sweep a plane 360° for flatness measurement.

**The Datum Line Pick-up Fixture**

This unique precision machined fixture is positioned on the datum mark. The detector picks up the floor reference line electronically.

**The Angular Prism**

The angular prism deflects the laser beam 90°. The angular prism has a built in slidetable and angular adjustment screws for fine tuning.

**The FD15**

The detector, FD15, is a tool for accurate positioning of the angular prism. It utilizes a laser detector for highest measurement accuracy.

**The detector**

The Detector unit is the same as those delivered with the Fixturlaser Shaft alignment systems. The detector has a 20x20 mm large detector and a built in inclinometer.
TECHNICAL SPECIFICATION

TRANSMITTER FL100

- Housing material: Precision machined aluminum
- Laser class: Class 2
- Laser wavelength: 675 nm, visible red light
- Measuring distance: Up to 50 meters (150 feet)
- Temperature range: 0 - 40 °C (32 - 104°F)
- Power supply: 4 x LR6 (6 volts)
- Operating time: 20 hrs
- Weight: 3.5 kg
- Dimensions: 175x175x115 mm

DISPLAY UNIT

- 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 (1 - 0,1 mils)
- Inclinometer accuracy: ± 1° (TD-M unit)
- Temperature range: 0 - 50 °C (32 - 122°F)
- Filter for difficult measurement environment: Steplessly variable 0-10
- Light stabilization: No interference from ambient light
- Measurement accuracy: ±1% ±0,003 mm
- Dimensions: 115x72x42 mm
- Weight: 0.3 kg

DETECTOR UNIT

- Housing material: PP covered with Dryflex™
- Display type: 6" backlit monochrome VGA
- Keyboard type: Icon based touch screen
- Power supply: 4 x LR20 (1.5 Volts alkaline batteries)
- Operating time: 24 h in cycles of 50% operation and 50% sleep mode
- Temperature range: 0 - 40°C (0 - 104°F)
- Battery lifetime: 24 h
- Dimensions: 230x180x60 mm
- Weight: 0.99 kg

ACCESSORIES

- Measuring tape
- Tool
- Printer
- Manual
- Tripod
- AC-adapter
- Adcom Dynamic PC-software for dynamic measurements
- Cable 25 m
- Cable 10 m
- Cable 1 m
- Cable for PC communication
- Rolls for magnetic base
- Leatherette Protection cover for the display unit

UPGRADABILITY

The Fixturlaser Roll200 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 Roll200 is Year 2000 compliant, which means that the entry into the next millennium will not affect the product in any way.