



Fixturlaser NXA Pro

Welcome to our world.

Since the very beginning in 1984, ELOS Fixturlaser has helped industries throughout the world to achieve more profitable and sustainable production. We have reached where we are today by having the courage to think beyond the norm and follow slightly unconventional paths. We have had the courage to make mistakes and find new directions. Through our resolve, ambition and knowledge we have become a global player and a leader in innovative, user-friendly shaft alignment.



TPS

- Live Values during Adjustment
- VertiZontal Moves = Measure Once, Move in Two Directions
- Both Shaft Positions Monitored Simultaneously



GRASP

- Icon Based – Adaptive User Interface
- Touch Screen
- OmniView



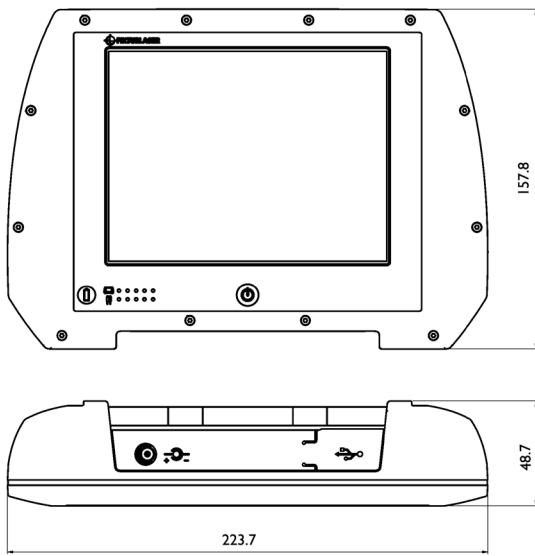
AI

- 2nd Generation CCD Detector – Allows for High Repeatability
- All Digital System
- Unparalleled Signal Control

Fixturlaser NXA Pro

The graphical user interface is shown off on a 6,5" transreflective display screen with icons and symbols to guide you, in other words no text is involved. We are talking for example about the unique feature – the OmniView function – that shows the machine from the side where the user is positioned. Thanks to the built-in gyroscope the Fixturlaser NXA is capable of keeping track of both you and the machine!

The adaptive user interface will guide you throughout the measurement and alignment process. We are especially proud of the function – VertiZontal Moves – where you only have to measure once before making the required vertical and horizontal adjustments. Quite a time conserver in a time strained maintenance world!

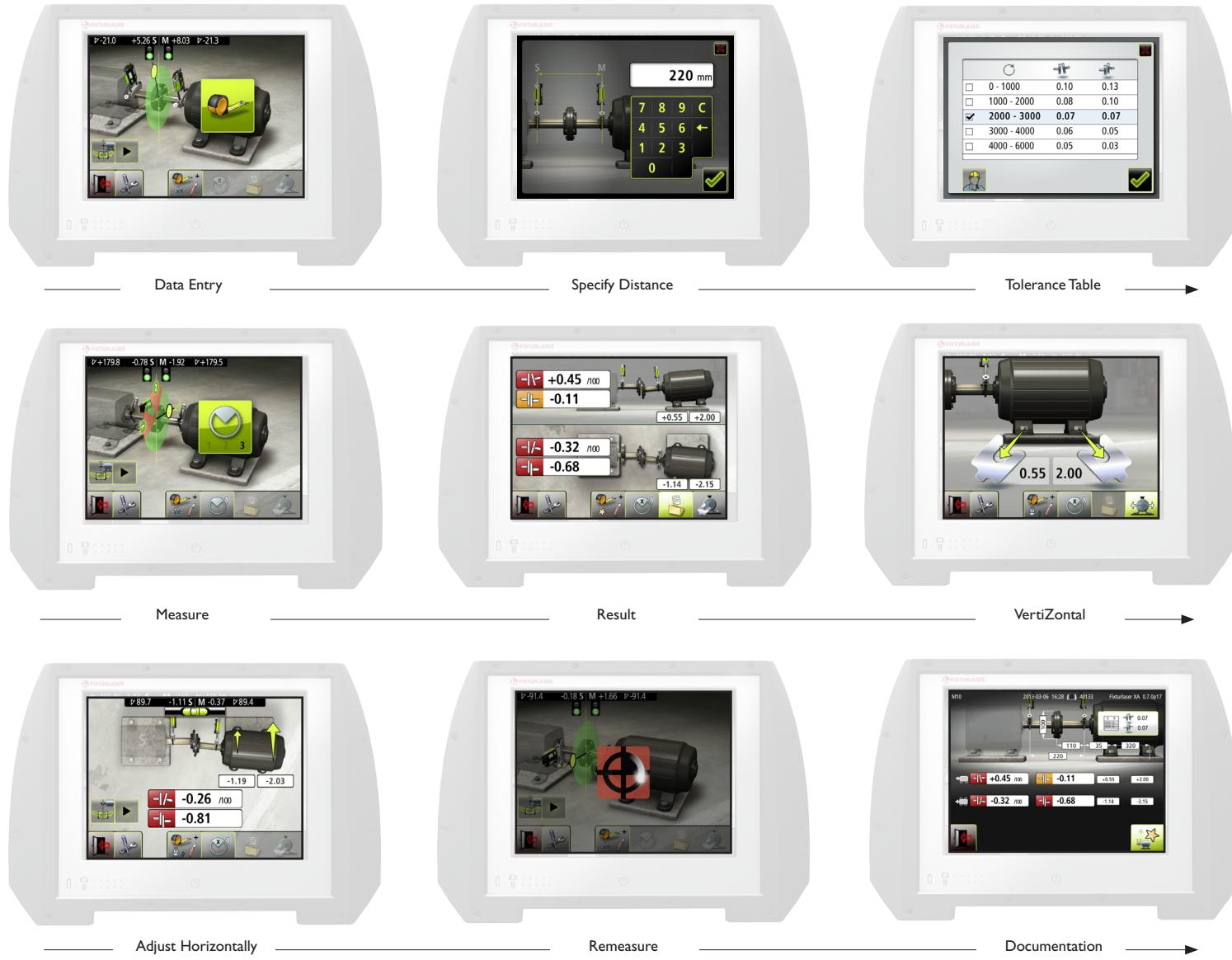


The Fixturlaser NXA has a power management system which will make your life so much easier! The display unit has a 10 hour continuous battery operating time, and should the need arise during an alignment job; the display unit can be express charged to an 80% capacity in one hour. The sensor units will last for 24 hours minimum thanks to the long-life batteries.



Adaptive Interface

The system will guide you throughout the measurement, step by step.



Features Fixturlaser NXA Pro

OmniView

OmniView function – shows the machine from the side where the user is positioned. Thanks to the built-in gyroscope the Fixturlaser NXA Pro is capable of keeping track of both you and the machine!



VertiZontal Moves

If the machine is misaligned, you will be recommended to go to a shims result view. The Fixturlaser NXA Pro calculates how much you need to remove or add shims in order to adjust the machine vertically. When moving on to horizontal alignment, the system goes live and will deliver real time values during the adjustment phase. No remeasurements in between adjustments are necessary, as you are never in doubt of the machine's true position.



Long Life Battery

Fixturlaser NXA Pro has a completely redesigned power management. We have a 40% reduction in power consumption and a 50% increase in battery operating time. This gives us 10 hours continuous battery time with 50% backlight. 8.5 hours if you want to crank up backlight to its maximum.

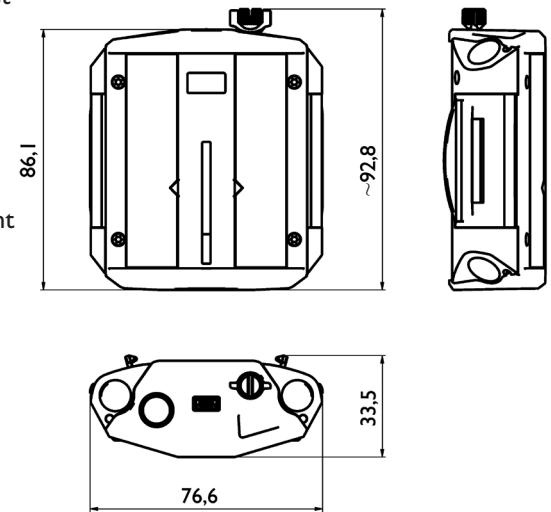
Instant battery check



Fixturlaser NXA Pro Sensor Units

The Fixturlaser NXA's sensor units have graduated to the 2nd generation of the CCD technology. This CCD version improves the tolerance for detrimental external factors, such as vibrations and ambient light, and delivers the most accurate and precise measurement values compared to any other system. Measurement values are automatically registered throughout the entire measurement process. We have integrated line laser with the CCD sensor and this combination virtually eliminates rough alignment, a huge time saver.

Very compact, only 33,5 mm in width, the sensor units will fit in the tightest spots. The sensor units contain long-life batteries, Bluetooth communication and gyroscopes. The gyroscopes make it possible to measure according to the Tripoint Method in the vertical shaft alignment application, something that no other shaft alignment instrument is capable of!



Compact all inclusive design with Bluetooth and rechargeable battery

Fixturlaser NXA Pro system

Weight including all standard parts:	7,7 kg (17 lbs)
Dimension:	415 mm x 325 mm x 180 mm (16 in x 13 in x 7 in)
Display Unit DU NXA	
Weight:	1,2 kg (2,6 lbs) with battery
Dimensions:	124 mm x 158 mm x 49 mm (4,9 in x 6,2 in x 1,9 in)
Environmental protection:	IP 65: Dust tight and protected against water jets
Display size:	6,5" (165mm) diagonal (133 x 100 mm)
Gyroscope:	6-Axis MEMS Inertial Motion Sensor with drift compensation and automatic field calibration.
Operating time	10 hours continuous use (with 50% LCD backlight)
Xpress Battery Charging time (system off, room temperature):	1 hour charge – 6 hours operating time
TD-units	
Weight:	192 g (6,8 oz) with battery
Dimensions:	92 mm x 77 mm x 33 mm (3,6 in x 3,0 in x 1,3 in)
Environmental protection:	IP 65: Dust tight and protected against water jets
Measurement distance:	Up to 10m
Detector:	2nd generation scientific grade Ultra HD CCD
Detector length:	30mm (1,2 in)
Detector resolution:	1 μ m
Measurement accuracy:	0,2% \pm 7 μ m
Gyroscope:	6-Axis MEMS Inertial Motion Sensor with drift compensation and automatic field calibration
Operating time:	17 hours continuous use (measuring)
Shaft brackets	
Shaft diameter:	\varnothing 20-450 mm (3/4"-18")
Rods:	4 pcs 85 mm and 4 pcs 160 mm (extendable to 245 mm)

Fixturlaser NXA Pro Applications Programs


Horizontal Shaft Alignment



Vertical Shaft Alignment



Machine Train™ Alignment



Softcheck™



Target Values



Hot Check™



Machine Defined Data



Feetlock™



Memory Manager

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