

## APPLICATIONS



HORIZONTAL



VERTICAL



MACHINE TRAIN<sup>XA</sup>



SOFTCHECK<sup>TM</sup>



FEET LOCK



TARGET VALUES



HOT CHECK



MEMORY MANAGER



MACHINE DEFINED  
DATA



## Fixturlaser XA Pro – Redefines the Standard for Laser Based Shaft Alignment

At its launch a few years ago, the Fixturlaser XA definitely set a new standard for laser based shaft alignment products. With the introduction of new technology in both hardware and software, this alignment tool took a huge innovative technology leap forward with regards to its user friendliness and the once so time consuming task of performing shaft alignment. The Fixturlaser XA Pro is a new and improved successor to the Fixturlaser XA with more new features and more content that will make your every day maintenance job a lot easier.

### Fixturlaser XA Pro Hardware

As for the hardware, a completely new set of measurement units were introduced, large 30 mm CCD detector surfaces and line laser, which practically eliminates rough alignment.

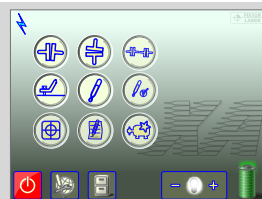
The fact that all Fixturlaser shaft alignment products use two measurement units combined with their technological features, increases considerably the measurement accuracy. You can sample up to 693 measurements in each position giving in total 2079 points for calculation of a possible misalignment. Also, the CCD sensors allow for digital signal quality control, further enhancing the measurement accuracy. To increase the mobility around your work site, the Fixturlaser XA Pro's measurement units are equipped with Bluetooth units, i.e. wireless connection. The display unit is one of a kind in the market as it is fitted out with the largest color touch screen available, a whole 6,4" in size.

### Fixturlaser XA Pro Software

The Fixturlaser XA Pro has an "All Inclusive" shaft alignment software package, which will handle most of the problems that can occur in the machine park. You will have no unpleasant surprises after the time of purchase with additional charges for e.g. unlimited storage space, machine train alignment, base and bolt bound situations, hot check, etc.

The intuitive user interface is animated thanks to the integration of 3D Macro-media® Flash<sup>TM</sup> technology in the display unit software. It guides you throughout the measurement and alignment process, using color coded icons, symbols, and measurement values, thus eliminating any possible language barriers.

Main Menu



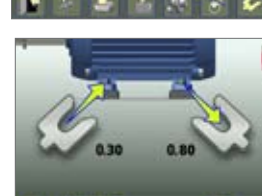
Measurement Point Registration



Measurement Result



Compound Moves



## FIXTURLASER XA PRO 1-0882

### FIXTURLASER XA PRO - COMPLETE SYSTEM

Weight (incl. all standard parts): 9,4 kg (20,72 lbs)  
Storage Temperature: -20 to 70°C (-4 to 158°F)

#### CASE

Material: High Impact ABS Plastic  
Sealing: Dust, water (5m/16 feet), and air tight with air pressure compensation valve  
Drop Test: 3 m (10 feet) onto concrete floor  
Dimensions: 460 mm x 365 mm x 185 mm (18,1 in x 14,4 in x 7,3 in)

#### DISPLAY UNIT

Housing Material: Anodized aluminum and high impact ABS plastic over molded with TPE rubber  
Operating Temp: 0 to 40°C (32 to 104°F)  
Relative Humidity: 10 – 90%  
Weight: 1,5 kg (3,31 lbs) with batteries  
Dimensions: 244 mm x 188 mm x 55 mm (9,6 in x 7,4 in x 2,1 in)  
Environmental Protection: IP 65  
Processor: Intel X-Scale, 400 MHz  
RAM: 64 Mb  
Flash Storage Memory: 128 Mb  
Display: Color TFT-LCD backlit with wide angle viewing technology  
Display Size: 6,4" diagonal (131 x 98 mm)  
Display Resolution: Full VGA 640 x 480 pixels  
Color Depth: 262 000 colors  
Interface: 6,4" polyester laminated touch screen with enhanced transmission  
Peripherals: 2 RS-485  
1 USB host port, 1,5 / 12 Mbps, OHCI v1.0 compliant  
1 USB slave port, 12 Mbps  
1 Ethernet 10/100BaseT RJ45

Wireless Communication: Class I Bluetooth transceiver with multi-drop capability  
Power Supply: Dual high performance rechargeable Li-Ion batteries and external power supply  
Operating Time: 20 hours typical use  
LED Indicators: Unit status and battery status indicators

#### MEASURING UNITS

Housing Material: Anodized aluminum and high impact ABS plastic over molded with TPE rubber  
Operating Temp: -10 to 60°C (14 to 140°F)  
Relative Humidity: 10 – 90%  
Weight: 186 g (6,6 oz)  
Dimensions: 79 mm x 77 mm x 33 mm (3,1 in x 3,0 in x 1,3 in)  
Environmental Protection: IP 65  
Laser: 650 nm class II diode laser  
Laser Line Fan Angle: 6°  
Laser Power: < 1 mW  
Measurement Distance: Up to 10 m (33 feet)  
Detector: CCD  
Detector Length: 30 mm (1,2 in)  
Detector Resolution: 1 µm (0,04 mils)  
Measurement Accuracy: 0,3% ± 7 µm (0,3% ± 0,27 mils)  
Ambient Light Protection: Optical filtering and sunlight signal suppression  
Inclinometer Resolution: 0,1°  
Inclinometer Accuracy: ±0,5°  
LED Indicators: Laser transmission and status indicators  
Laser Safety: See yellow label below

#### SHAFT BRACKETS

Fixture: Shaft bracket with chain, width 20 mm (0,79 in)  
Material: Anodized aluminum  
Shaft Diameter: Ø 20-450 mm (3/4 in - 18 in)  
Rods: 4 pcs 150 mm (5,9 in) extendable to 250 mm (9,8 in)

#### CABLES

Length: 2 pcs 3 m (10 feet)

#### WIRELESS PACKAGE

Housing Material: PC/ABS plastic  
Operating Temp: -10 to 60°C (14 to 140°F)  
Weight: 60 g (2,1 oz) without batteries  
Dimensions: 97 mm x 47 mm x 36 mm (3,8 in x 1,85 in x 1,4 in)  
Wireless Communication: Class II Bluetooth transmitter  
Power Supply: 3 AA (LR6) batteries  
Operating Time: 10 hours continuously  
LED Indicators: Transmitter and battery status indicators

Express Alignment Through Real Innovation



#### TRUE POSITION SENSING

- BOTH SHAFTS' POSITIONS MONITORED SIMULTANEOUSLY
- COMPOUND MOVES = MEASURE ONCE, MOVE IN TWO DIRECTIONS
- LIVE MEASUREMENT VALUES DURING ADJUSTMENT



#### ALIGNMENT INTELLIGENCE

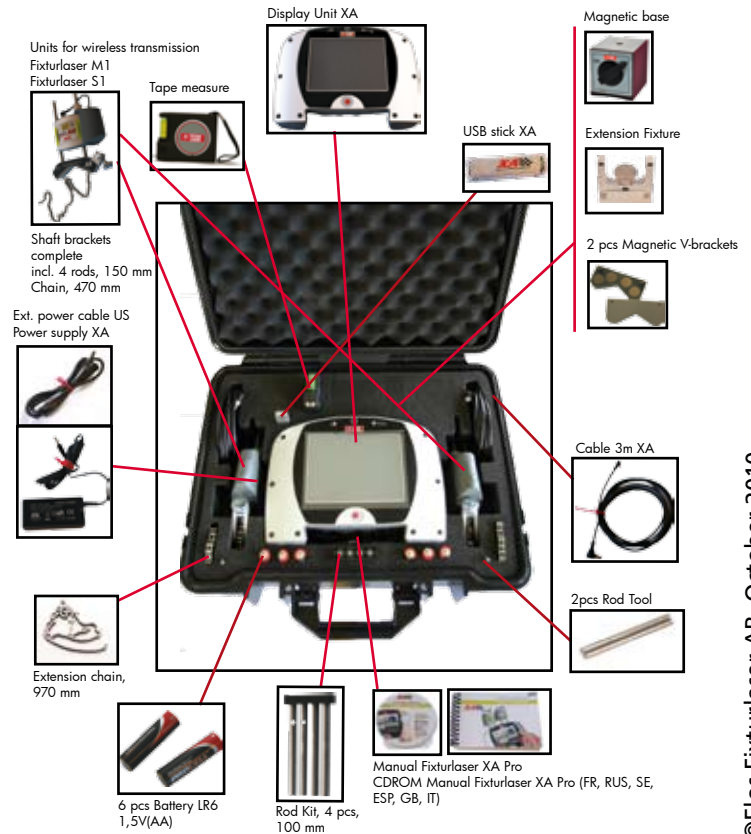
- 30 MM CCD DETECTOR + LINE LASER = VIRTUALLY ELIMINATES ROUGH ALIGNMENT
- DIGITAL SIGNAL QUALITY CONTROL → EDGE DETECTION, SIDE SPOT REJECTION, AND AMBIENT LIGHT SUPPRESSION



#### GRAPHIC USER INTERFACE

- 3D ANIMATION
- COLOR CODED RESULT
- ICON BASED

## 1-0882 Fixturlaser XA Pro



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