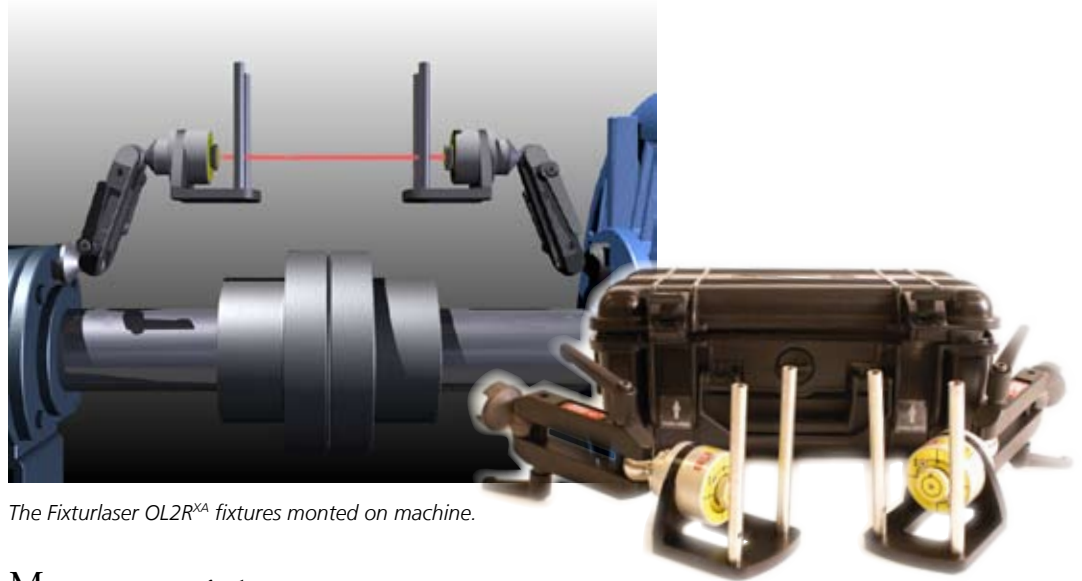


# THE FIXTURLASER OL2R<sup>XA</sup> FIXTURES

## FOR FLEXIBLE OFFLINE-TO-RUNNING MEASUREMENTS OF CRITICAL MACHINES



The Fixturlaser OL2R<sup>XA</sup> fixtures mounted on machine.

### The Fixturlaser OL2R<sup>XA</sup> fixtures

- :: unique function of shaft alignment (patent pending)
- :: uses point laser in each fixture
- :: express mounting & setting of fixtures
- :: to be used together with Fixturlaser XA shaft alignment system

Measurements of dynamic movements are used for critical machines within industries, where large temperature differences or other disturbing factors exist. The need for measurement of dynamic movements is often indicated by a high level of vibrations. For some machines these high levels remain even after having performed shaft alignment in cold condition. The Fixturlaser XA together with the OL2R<sup>XA</sup> Expansion kit helps you to overcome this costly and time consuming problem by performing offline-to-running measurements. The measurements provide you with machine unique target values to be used for compensation during shaft alignment. The Fixturlaser OL2R<sup>XA</sup> Expansion kit consists of both software and fixtures.

The Fixturlaser OL2R<sup>XA</sup> fixtures are both equipped with a laser pointer, which means that the Fixturlaser XA alignment system is not needed in order to mount the fixtures. Thanks to this feature the mounting can be performed fast and by someone who does not necessarily need to have the knowledge about shaft alignment and Fixturlaser XA. (Read more about the Fixturlaser OL2R<sup>XA</sup> Expansion kit and software in our brochure of the Fixturlaser XA software P-0198.)

#### Technical specification\*

Weight, system incl. case	5,2 kg
Weight, system excl. case	3,2 kg
Dimensions of case (LxHxW)	335x270x150 mm
Laser pointer	Class 2 laser
Material	anodized aluminium
Operating temperature, (Point laser)	0°C - +50°C
Storage temperature (Point laser)	-20°C - +70°C

\* Specifications are subject to change without notice.

## Express Mounting and measurement



### The offline-to-running measurement process in short\*

Mount the tooling ball on each machine. Ensure that the bolt is tighten and that the arrangement is firmly mounted to the machine casing.

Check that the laser is adjusted to the rotational centre by rotating the turret on each fixture. Adjust the fixtures until both the lasers are hitting the centre of the opposing target. Tighten the screw on the fixture and make sure that it is stable while rotating the turrets.

Turn off the laser beams in the fixtures and mount the Fixturlaser XA sensors on the posts of the fixtures. Set the sensors so that they are approximately at the same rotational angle when taking the three measurements. **Perform the measurement in both cold and hot condition. Thereafter continue with the shaft alignment using the target values from the offline-to-running measurements.**

\*Manual Fixturlaser XA Rev. 3 P-0210 for detailed user information

## The content of the case



The Fixturlaser OL2RXA is delivered in a lightweight case that is water and air tight. The case is made of extra durable ABS plastic.



Content Fixturlaser OL2RXA expansion kit 1-0788 or 1-0789	No.	Art.no.
Fixtures	2	1-0784 or 1-0785
Case	1	7-0204
Allen screw M6x50	1	5-0340
Allen key 5mm steel	1	5-0017
Allen key 2,5 mm	1	5-0367
Thread tap M6 medium	1	5-0343
Drill bit 5 mm	1	5-0344
Batteries SR44 1,5 V	4	5-0692