

A photograph of an offshore wind farm with several white wind turbines on yellow tripods in the ocean under a cloudy sky. The blades have red and white safety markings.

EASY-LASER®

XT915 / Flange flatness

XT915

Flange flatness

With the Easy-Laser® XT915 you measure flanges with high speed and precision.

Spin laser

iOS / Android

12 m [40'] measurement distance

→ easylaser.com

Flatness measurement made quick and easy

XT915



Easy-Laser® XT915 is a flatness measurement system designed primarily for measurement of flanges, such as wind tower flanges or slewing bearings. But it can also be used for other types of flatness measurements.

The **Easy-Laser® XT915 Flange flatness** measurement system is specifically suitable for wind tower producers who want to speed up production but still require precision measurements and documentation of their flanges. The special flatness bracket included is operated with one hand and speeds up the work. You can measure distances of up to 12 metres.

Please note that we also have the XT920 system for general geometrical measurement which have a wider range of measurement capabilities.

Measurement independence

No lock-ins

With the XT series you decide if you want the rugged and user-friendly Easy-Laser® XT12 display unit to be included or not. The XT Alignment app also runs on your iOS® or Android® device¹, be it a tablet or a phone, meaning you are never locked in to a specific way of working.

No license hassle

The app is free to download to any number of devices. No hassle with licenses, just connect the units to the app, on any of your display devices, and start measuring. Your XT measuring units determine what functions are available. That is straightforward!

Always easy!

The XT Alignment app is easy to use and to learn, with intuitive guiding graphics. Built-in help with a searchable manual supports you in each step of the measurement process.



The digital alignment toolbox

The XT Alignment app works on virtually any iOS or Android device¹, as well as our own industrial grade tablet. The XT1 app is the original one, the XT2 app adds the flange flatness measurement program².

GET IT ON
Google Play

Download on the
App Store

RUN IT ON
EASYLASER XT12

¹ Conditions apply. XT2 app only for Android initially. ² Subject to change – more programs will follow. XT2 app only in English at introduction.

XT915 System highlights

The reason to go for an XT alignment system is not just the precision alignment hardware, but indeed also the features and capabilities of the XT range as a whole.



The XT Alignment app
Our straightforward application available for free.



Multi-platform compatibility
Works with the industrial-grade Easy-Laser Android® display unit and third party tablets.



Easy-Laser PLUS™
Our cloud service offers data management, Excel export and team collaboration.



High precision
Our detector and laser technologies provide extreme precision and accuracy for demanding industrial use.



Long operating times
The long operating times of the laser transmitter and the detector mean even the toughest jobs will be finished on time with no interruptions.



Fast to operate
The special flatness bracket is designed for speed and ease-of-use when measuring many points continuously.

XT7 GEO Detector

This detector is specifically designed for high precision geometrical measurements. The display can give additional information about the measurement process.

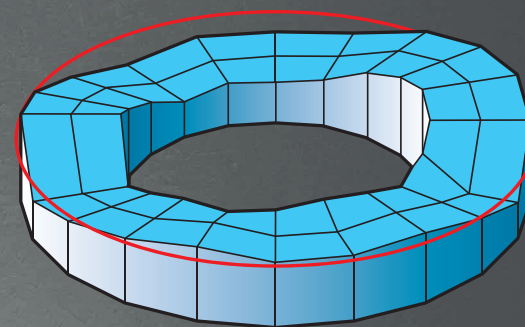
XT Flatness bracket

The flatness bracket is operated with one hand, which speeds up the process. Simply place it at the measurement point – turn it to face the laser transmitter – record the value – move to the next point and repeat!

Remote control

The system comes with a remote control. Using this you can put aside the tablet when measuring and instead press the remote control button for every point to record. Convenient!

Designed for speed and precision



Flange flatness program

In the Flange flatness program you set number of measurement circles (1–5), measurement points per circle (6–120) and in which direction you measure (clockwise – anti-clockwise). The program clearly shows both numerically and graphically which point to measure.

Result and data export

The measurement result shows Peak to Peak, Max. and Min. values, and taper. Upload the measurement data to Easy-Laser PLUS™ for export to Excel® for further analysis.

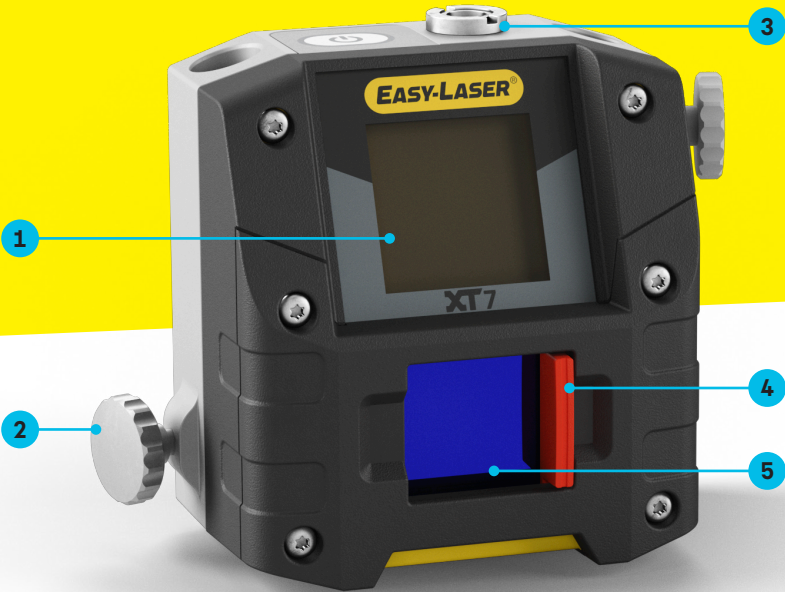
XT21 Spin laser transmitter

The laser head rotates at high speed, creating a laser plane over the flange surface. The protective top cap can be removed if a complete 360° laser plane is preferred. The super magnets holds the transmitter securely and steadily against the flange.



XT915 System parts

The system comes with the XT7 detector, XT21 laser transmitter and the XT Flatness bracket. Additionally you can add our XT12 rugged, industrial grade tablet. Learn more on the following pages.



XT7 Detector unit

The XT7 unit has a large 20x20 mm [0.79x0.79"] 2-axis PSD detector surface. It detects both spinning laser and stationary beam, but with spinning laser only the vertical value is displayed in the measurement program. Built-in electronic inclinometer. On the display you see useful information like angle of the unit, and a graphical target guiding you when rough aligning the laser beam to the PSD. The diagonally positioned locking knobs securely lock the unit on the rods.

- 1. Large TFT display
- 2. Locking knob
- 3. Charger connector
- 4. Slideable target/dust cover
- 5. PSD aperture

Key strengths

- Rigid aluminium body. Rugged IP66/67 design.
- Built-in display showing unit position.
- 2-axis PSD.
- 16 hours operating time.
- High resolution* 0.001 mm/0.05 mils.
- BT Wireless connection.

*With spin laser 0.01 mm/0.5 mils

Flatness bracket

The special flatness bracket is operated with one hand and speeds up the work. It is especially useful when measuring many points continuously. Its spring loaded measuring probe also results in a more exact measurement point positioning than a standard magnet base.

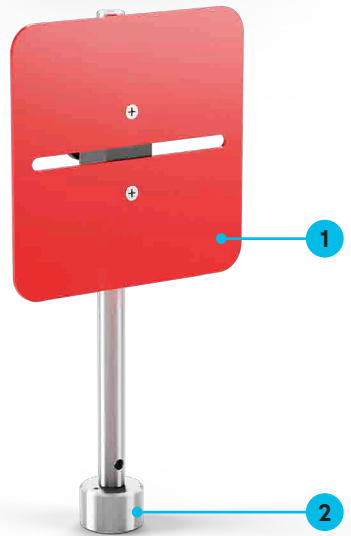
- 1. Magnetic base
- 2. Measuring probe
- 3. Handle



Targets

The targets are used to easily set up and level the laser transmitter on the measurement object (3 pcs included). You place them evenly on the flange, then quickly level the laser beam to hit the openings in all targets. Next, remove the targets and start measuring!

- 1. Target (height adjustable)
- 2. Magnetic base



Remote control

Remote control button which is connected wirelessly to your XT12 tablet. This means you can put aside the tablet when measuring.

- 1. Holder for finger
- 2. Enter button



Laser transmitter



XT21 Laser transmitter

The laser beam can sweep 360° with a measurement distance of up to 12 metres [40']. It has a motorized laser head spinning constantly, creating a laser plane over the surface. Rechargeable Li-Ion battery with 16 h operating time.

1. Detachable top cover

2. Start/Stop spin

3. Charger connector
4. Levelling knob

5. Release lever

6. Magnetic feet

Key strengths

-  16 hours operating time.
-  12 m [40'] measurement range

Display unit (optional)



XT12 Display unit

Part No. 12-1291

Rugged, robust, industrial grade tablet with wear resistant rubberized protective coating. IP66 and 67, dust- water- and shockproof. Rechargeable Li-Ion battery. Button to check battery level also when unit is turned off. HDMI connector to share the display screen on a large monitor without any additional software.

Key strengths

-  Rugged, industrial grade IP66/67 design
-  13 MP camera
-  Large 8" glove enabled touch-screen
-  16 hour operating time
-  USB C / USB A
-  AV connector



Shoulder strap

Part No. 12-0997

System parts

Easy-Laser XT915 comes with a wheeled carrying case.



Shock proof, drop tested carrying case.



Easy-Laser® XT915 system, Part No. 12-1433	pcs.
Detector XT7	1
Laser transmitter XT21	1
Remote control	1
Target 100x100 mm	3
XT Flatness bracket	1
Measuring tape 5 m [16.4']	1
Charger (100–240 V AC)	1
DC split cable for charging	1
DC to USB adapter, for charging	1
Cleaning cloth for optics	1
USB memory stick with manuals	1
Hexagon wrench set	1
Carrying case with wheels	1



For detailed technical data, please visit easylaser.com

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