EASY-LASER®

XT550

IECEx

Intrinsically safe for potentially explosive environments.

Shaft Alignment

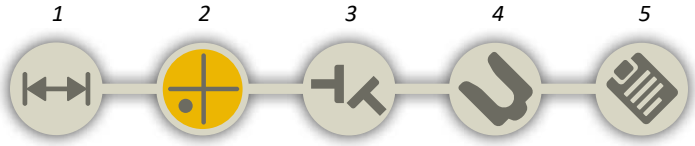
XT550

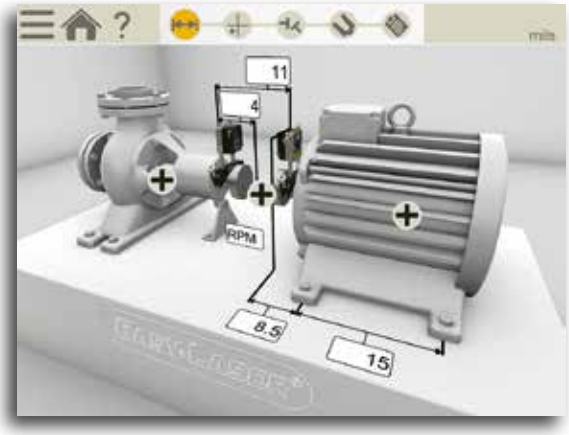
THIS IS EASY ALIGNMENT

HORIZONTAL PROGRAM

The user interface is intuitive and guides you through the measurement process. You can save the measurements of a machine for *As found* and *As left* in the same file. The procedure for the other alignment programs in the XT app is equally intuitive and guided.

The interactive workflow indicator lets you easily jump to any part in the measurement process.



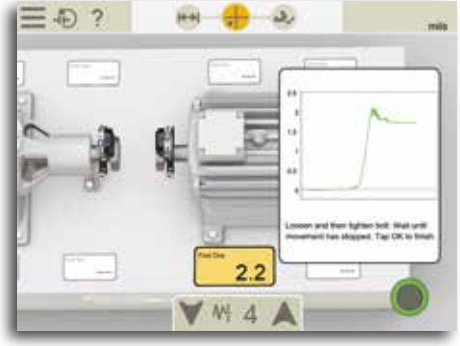


1. Enter dimensions

2. Measure

3. View result, As found
4. Adjust, As left

5. Documentation
(Send PDF report to USB or by WiFi)



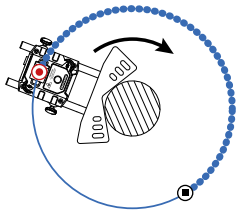
Soft Foot check on both machines.

Tolerance check. Pre-set or custom.

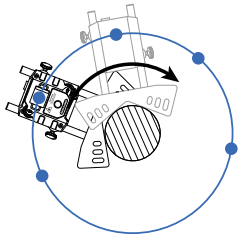
Quality check view for measurements

MEASUREMENT METHODS

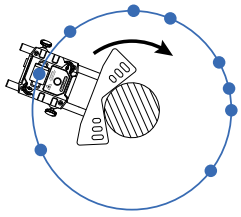
- *Measuring points*
- *Start recording*
- *Stop recording*



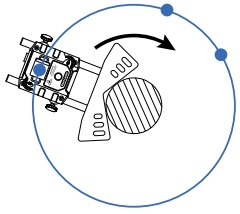
CONTINUOUS SWEEP
Automatic recording of measurement values during continuous sweeping of the shafts. Hundreds of points are registered. You can start and stop anywhere on the turn.



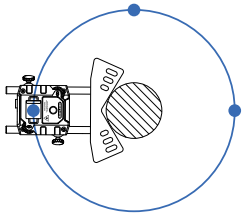
UNCOUPLED SWEEP
Rotate one shaft/unit at a time to pass with the beam over the other (stationary). Repeat alternately until enough measurement points are recorded. You can start and stop anywhere on the turn.



MULTI POINT
Multi point is basically the same as EasyTurn™, but instead you can record multiple points on the sector rotated. This will provide an optimized calculation basis. Perfect for e.g. turbine and sliding bearing applications.



EASYTURN
The EasyTurn™ function allows you to begin the measurement process from anywhere on the turn. You can turn the shaft to any three positions to register the measurement values.



9-12-3
Measurement points are recorded at fixed points 9, 12 and 3 o'clock. Useful for shafts oriented vertically or wall-mounted machines.

SMART FUNCTIONS

THERMAL GROWTH
Automatically compensate for thermal expansion of the machines.

SWAP VIEW
Understand adjustment directions more intuitively.

CONTINUE SESSION
Your latest measurement is always available, automatically saved.

TEMPLATES
Save measurement files as templates, with machine data and settings, to quickly start measurements.

MEASUREMENT VALUE FILTER
Improve readings when measuring conditions are poor.

MULTIPLE SETS OF FEET
Align machines with more than two pairs of feet.

LOCKED FEET
Lock any pair of feet on the machine. Used when aligning base-bound or bolt-bound machines.

WIDE LIVE ADJUSTMENT
Adjust with live values using expanded sensor position ranges in the H and V position

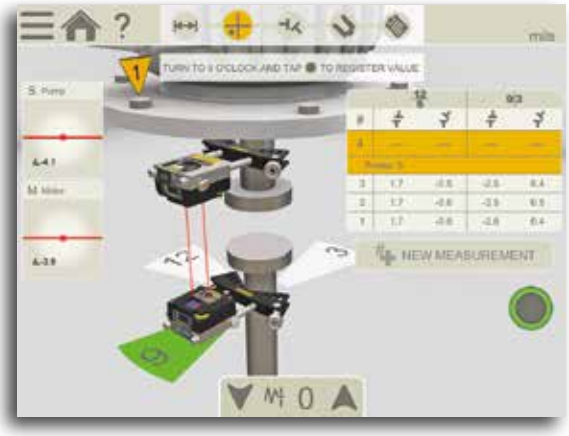
SELECT MACHINE IMAGE
Choose from different 3D machines to portray your machinery on either side of coupling.

SELECT COUPLING TYPE
Choose measurement method depending on coupling type: short flex, spacer shaft.

ADJUSTMENT GUIDE
The adjustment guide helps you decide optimum adjustment by simulating shimming and move. For programs Horizontal and Machine train.

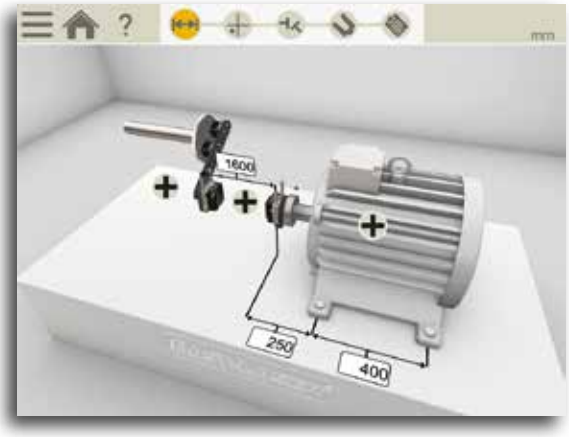
BUILT-IN HELP
The app includes a searchable *Users Manual* which opens the relevant chapter depending where in the process you are. This makes it quick and easy to find the answers to your questions.

MORE POSSIBILITIES



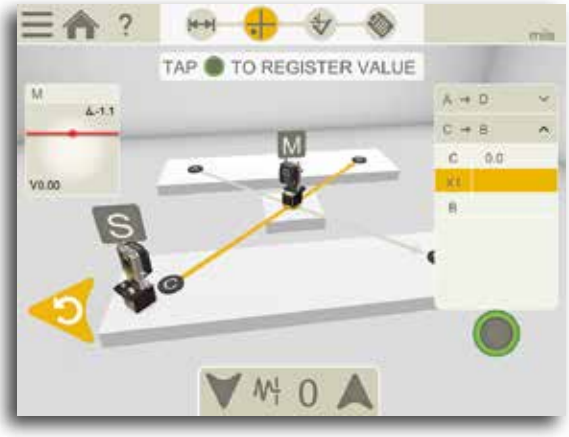
VERTICAL/FLANGE MOUNTED MACHINES

For measurement and alignment of vertically and flange mounted machines.



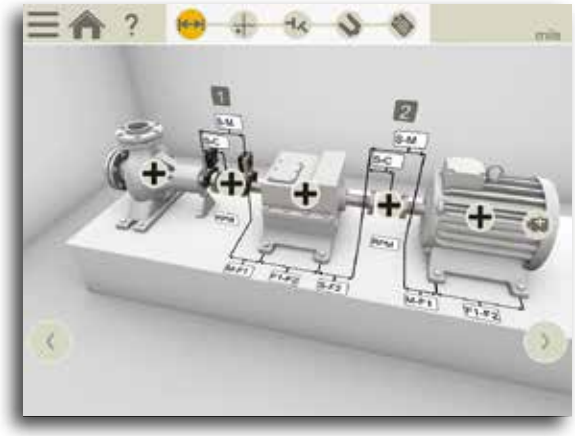
CARDAN/OFFSET MOUNTED MACHINES

For alignment of cardan/offset mounted machinery. (Requires additional Cardan bracket Kit.)



TWIST MEASUREMENT OF MACHINE BASE

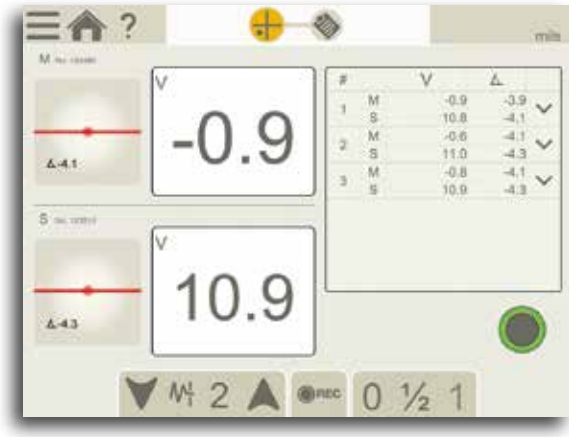
The twist measurement program allows you to check the flatness or twist of the machine foundation using only the measuring units in the system.



MACHINE TRAIN

Build your own machine train with as many machines as you need. You can pick the reference machine manually, or let the program choose one that will minimize the need for adjustments.

- The easiest and most intuitive machine train interface available.
- See the complete picture of the machine train alignment to quickly determine corrections.
- Instantaneous live movement of your machines during corrections.



VALUES – DIGITAL DIAL INDICATOR

V 0.00
H 0.00

With the Values program you measure as with dial gauges, but with laser precision and the capability to document the measurement result. Automatic recording is possible (set the interval and duration). You can make individual notes for each measurement point.

CHECK BEARING CLEARANCE etc.

With the Values program you can check bearing clearance or shaft load.

DOCUMENTATION

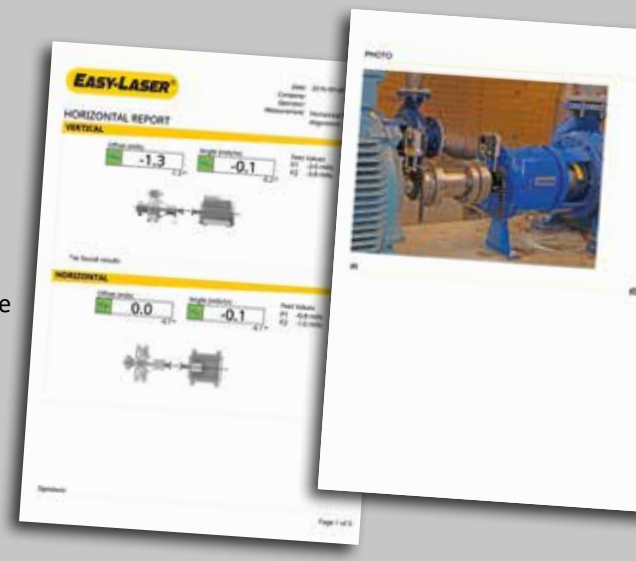
SAVE!

INTERNAL MEMORY
Save your measurement files, photos and reports to the internal memory.

VERSATILE FILE TYPES
Both a PDF and an Excel file are generated.

READ QR AND BAR CODES
Assign a specific code to a specific machine, then use the built-in camera of your device to open assigned file and settings.
(Note: camera resolution requirements applicable.)

SHOW!



CUSTOM PDF REPORT TEMPLATES
Use one of the two formats included, or design your own.

ADD NOTES
Add additional details so they appear in the alignment report.

SIGN REPORTS ELECTRONICALLY
Sign-on screen to verify your job.
Signature is saved with the PDF file.

ADD PHOTO
Show what you mean.

SHARE!

SEND THE REPORTS
Share the reports via WIFI email.
Possible on all platforms.

XT550

SYSTEM PARTS

ECOM Tab-Ex® DISPLAY UNIT
Based on Samsung GALAXY Tab Active, ecom´s hazardous area tablet is certified for use in Zone 1/ 21 & DIV 1 hazardous areas.
System XT550 comes in two configurations; with or without the ecom display. The app runs on most iOS and Android units, as well as our own display unit XT11. However, those are not allowed in potentially explosive areas, but makes for a perfect complement for use in other places.

GLOVE-ENABLED TOUCH SCREEN
Navigate the screen with or without work gloves.

EX/ATEX APPROVED
The ecom Tab-Ex® display unit is approved in accordance with:

Ex classification:
Ⓔx II 2G Ex db ia op is IIC T5 Gb
Ⓔx II 2D Ex tb ia op is IIIC T100°C Db
-20°C ≤ Ta ≤ +50°C
IECEx classification:
Ex db ia op is IIC T5 Gb
Ex tb i a op is IIIC T100°C Db
-20°C ≤ Ta ≤ +50°C
Ex certificate number:
Sira 19 ATEX 1017X, IECEx SIR 19.0012X

8 MP CAMERA WITH FLASH
Take pictures to identify your machines and include with your report.

XT50-M/S MEASURING UNITS

The XT50 measuring units have dot-type laser and 1-axis square PSD surfaces. A state-of-the-art OLED display shows the angle of the unit, making it easier to position it on the shaft.
The diagonally positioned locking knobs securely lock the unit on the rods. Rigid aluminum housing provide maximum stability. IP66 and 67, dust- water- and shockproof. Built-in wireless technology.

SHAFT BRACKET

The V-bracket is light yet rigid, with two rods for maximum stability in all directions. Pre-mounted chain for quick setup on the machine.

LONG OPERATING TIMES

Heavy-duty battery for very long operating times; up to 20 hours.

EX/ATEX APPROVED

The Easy-Laser® XT50 measuring units are approved in accordance with:

Ex classification:
Ⓔx II 2 G Ex ib op is IIC T4 Gb, -10°C ≤ Ta ≤ +50°C
Ex certificate number:
Presafe 17 ATEX 10552X, IECEx PRE 17.0049X

DOT-TYPE LASER TECHNOLOGY

The dot laser technology makes it possible to measure larger machines and longer spans than line laser systems. It also provides higher accuracy when backlash in the coupling is present. In addition, dot laser allows you to check more things when installing a machine, e.g. twist of foundation and bearing clearance.

IP66 AND IP67 APPROVED

Easy-Laser® XT measuring units and display unit are waterproof, dustproof and shockproof. The units have been tested and approved to an Ingress Protection rating of IP66 and IP67, which means that they are dustproof and waterproof to a depth of 1 meter, and also protected against powerful water jets.

DUAL LASERS, PSD, INCLINOMETERS

With electronic inclinometers in both measuring units the system knows exactly how they are positioned. This also makes it very easy to align uncoupled shafts. The so called reversed measurement method with two laser beams and two PSD makes it possible to also measure very misaligned machines. This is particularly good for new installations, where the machines are not yet in the correct position. Compared to many other methods, the Dual Technology will retain the measurement accuracy also when distances increase.

XT550

EASY-LASER®

www.easylaser.com

EASY-LASER® GENERATION XT

The age of measurement independence is here!

SAME INTERFACE

Purchase multiple systems from the XT range with various capabilities, train once! The training costs are minimized significantly since the app interface and basic functionality is identical for all systems.

DISCLAIMER: For use in EX-classed areas, the mobile device you're using must be approved for these areas. Always check for approval labels before entering potentially explosive areas.

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CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT

CE 0470 0102

ISO 9001 CERTIFIED

3* YEAR WARRANTY

GLOBAL SUPPORT

LUDECA
Keep it running.

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