



Intrinsically safe for potentially explosive environments.

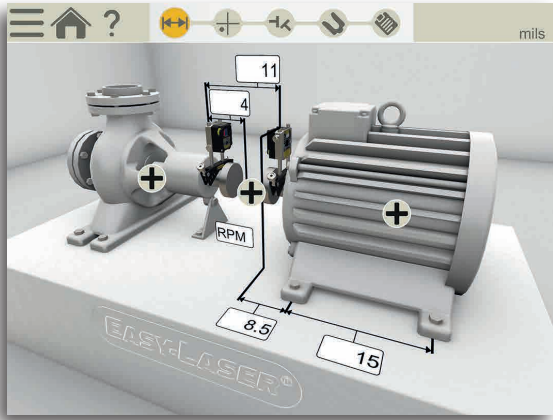
Shaft Alignment

XT550

THIS IS EASY ALIGNMENT

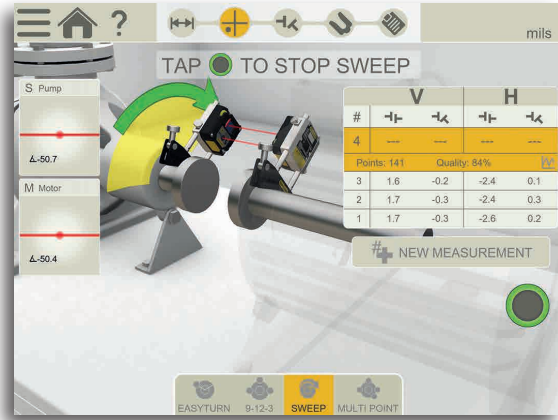
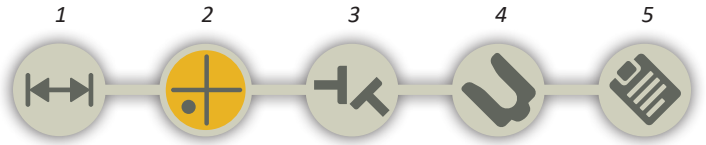
HORIZONTAL PROGRAM

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.

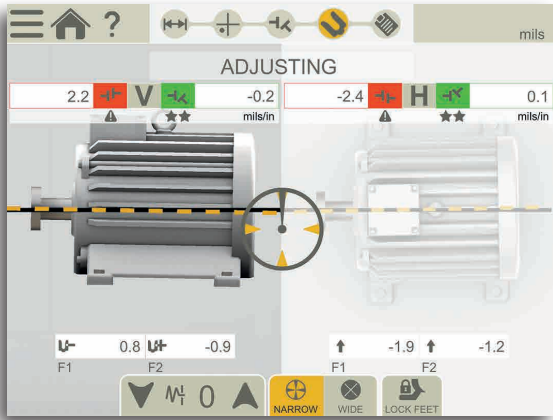


1. Enter dimensions

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



2. Measure



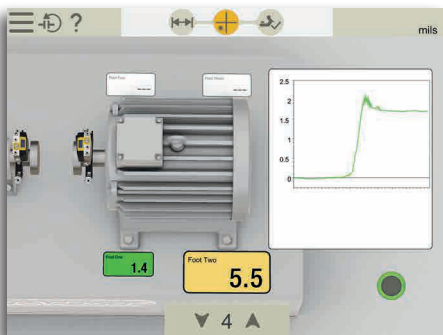
3. View result, As found

4. Adjust, As left



5. Documentation

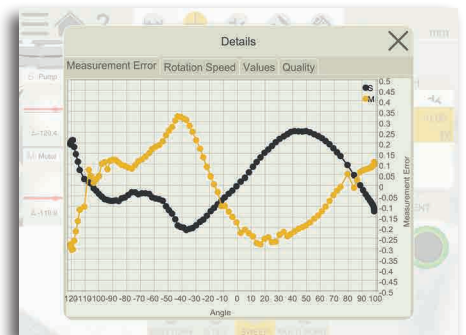
(Send PDF report to USB or by WiFi)



Soft Foot check.

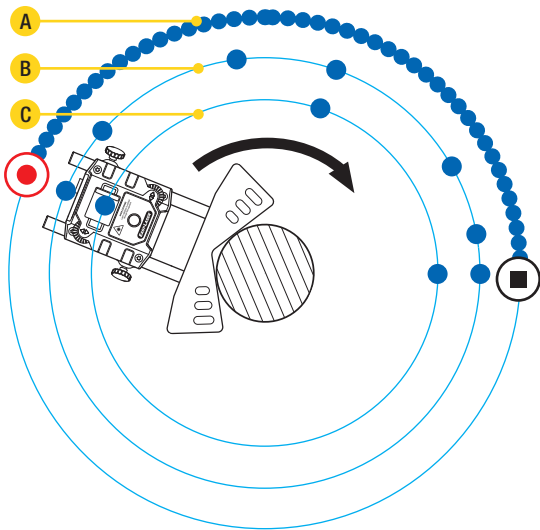


Tolerance check. Pre-set or custom.



Quality check view for measurements

MEASUREMENT METHODS



● Measuring points

● Start recording ■ Stop recording



A

CONTINUOUS SWEEP (A)

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.



B

MULTIPOINT (B)

Multipoint measurement lets you take readings at any rotational position. Great for uncoupled shafts, hard-to-turn shafts, and high vibration environments.



C

EASYTURN (C)

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.



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.



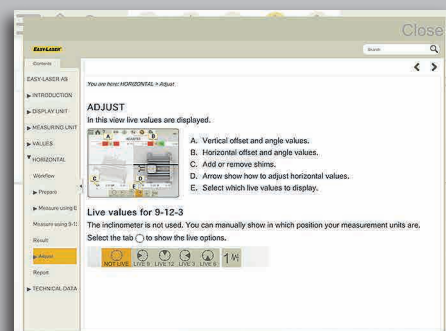
SELECT COUPLING TYPE

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



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.



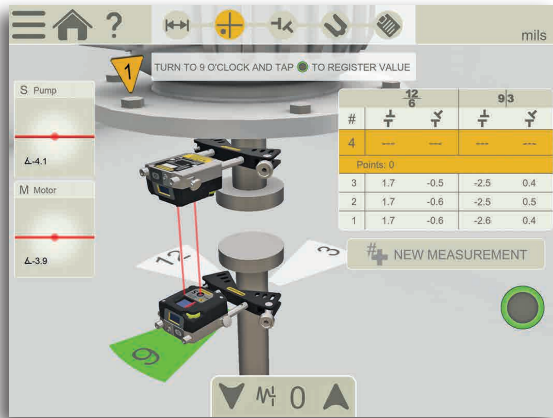
Easy-to-access built-in manual

MORE POSSIBILITIES

VERTICAL/FLANGE MOUNTED MACHINES



For measurement and alignment of vertically and flange mounted machines.

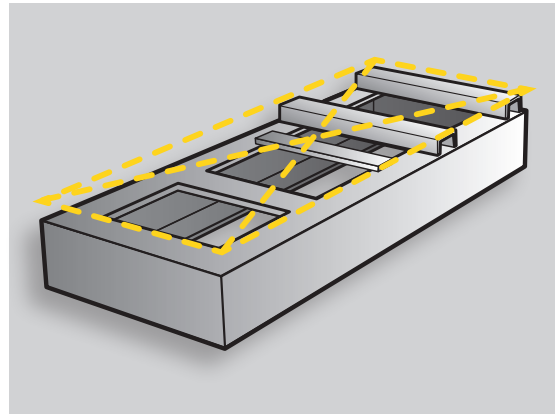


Program for vertically or flange mounted machines

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.

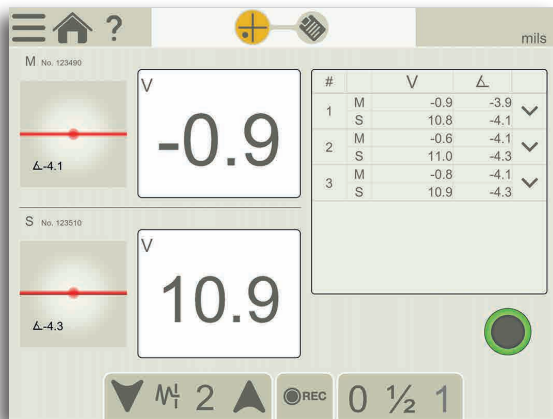


Twist program for checking machine base

VALUES – DIGITAL DIAL INDICATOR



With the Values program you measure as with dial gauges, but with laser precision and the capability to document the measurement result. It can also be used to "manually" calculate straightness, flatness and dynamic movements of machine components. Automatic recording possible (set the interval and duration). You can make individual notes for each measurement point.

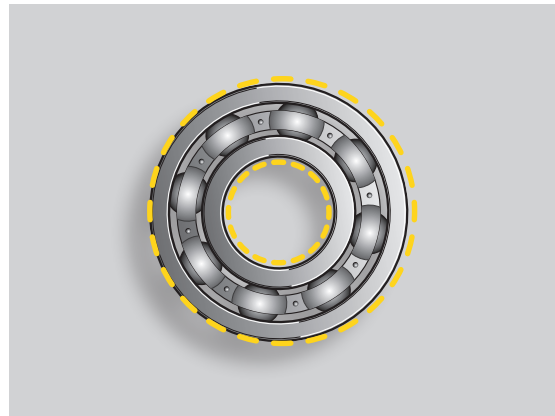


Values from measuring units

CHECK BEARING CLEARANCE



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.

TYPE	NAME	DATE	Edit
[-]	Shaft_2018-02-14_14_21_05	2018-02-14	[edit]
V.0.00 H.0.00	Values_2018-04-10	2018-04-10	[edit]
[img]	IMG_20180410_142801	2018-04-10	
[-]	Shaft Alignment Water pump 3	2018-04-10	[edit]
[+]	Vertical motor ABB	2018-04-14	[edit]

SHOW!



CUSTOM PDF REPORT TEMPLATES

Use one of the two formats included, or design your own.



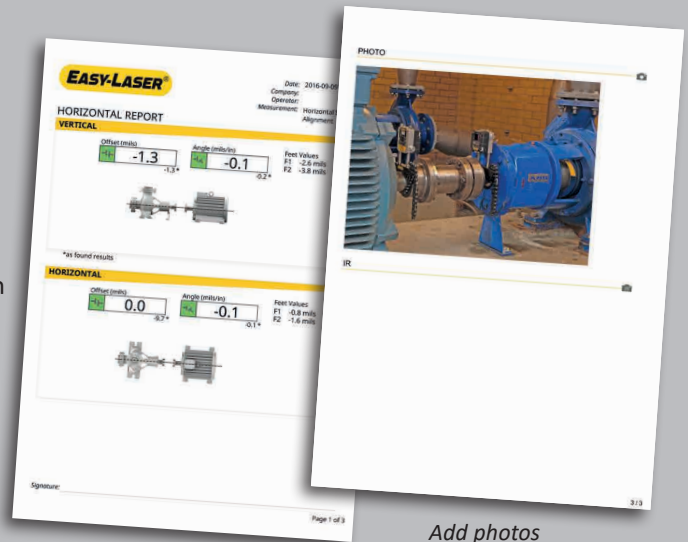
ADD NOTES

Add additional details so they appear in the alignment report.



ADD PHOTO

Show what you mean.



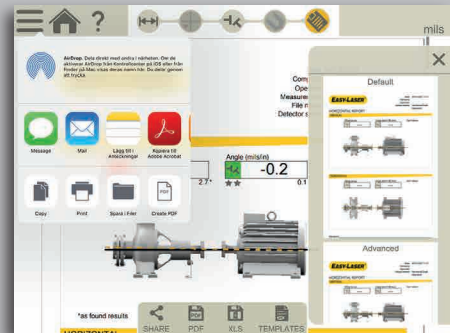
Add photos

SHARE!



SEND THE REPORTS

Share the reports via WIFI email. Possible on all platforms.



XT550

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:

Ⓜ 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



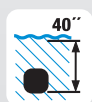
DOT-TYPE LASER TECHNOLOGY

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



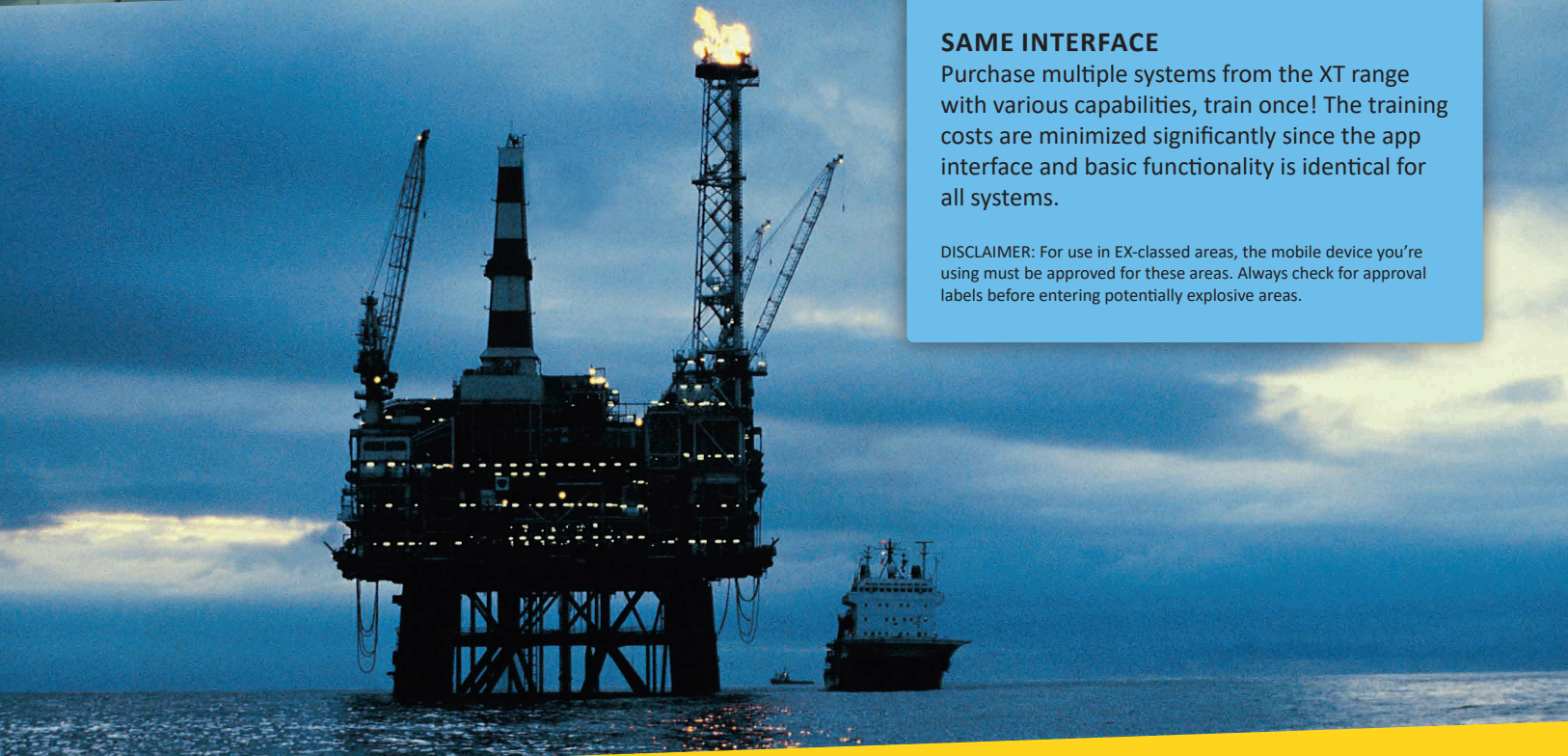
EASY-LASER® GENERATION XT

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.



Easy-Laser® is manufactured by Easy-Laser AB, Alfagatan 6, SE-431 49 Möndal, Sweden
 Tel +46 31 708 63 00, Fax +46 31 708 63 50, e-mail: info@easylaser.com, www.easylaser.com
 © 2018 Easy-Laser AB. We reserve the right to make changes without prior notification.
 Easy-Laser® is a registered trademark of Easy-Laser AB. Android, Google Play, and the Google Play logo are trademarks of Google Inc. Apple, the Apple logo, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Other trademarks belong to their respective owners. This product complies with: EN60825-1, 21 CFR 1040.10 and 1040.11. Contains FCC ID: Q0QBGM111, IC: 5123A-BGM111 and FCC ID: A3LSMT360. *ecom Tab-Ex 1 year warranty. Documentation ID: 05-0912 Rev1

 <p>CAUTION LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT</p>	<p>CE 2460 0102</p>	<p>ISO 9001 CERTIFIED</p>	<p>3 YEAR WARRANTY</p>	 <p>GLOBAL SUPPORT</p>
--	------------------------------------	--	---------------------------------------	--



LUDECA

Keep it running.

LUDECA Inc.
 1425 N.W. 88th Avenue
 Doral, FL 33172
 Phone: (305) 591-8935
 Fax: (305) 591-1537
 info@ludeca.com
 www.ludeca.com