

SHAFT ALIGNMENT

GENERATION **XT**

EASY-LASER® XT440 SHAFT

The XT440 system is a cross-platform system which works with your own display device and our XT11 to perform laser shaft alignment with precision and ease. Rugged design, IP66 and IP67, water and dust proof.

• **Display data on multiple platforms:** Functionality for iOS, Android and Easy-Laser®.

• **All XT programs in one free app:** All XT measurement programs included in one straightforward application available for free.

• **Maximum flexibility:** Combine several measuring units with the display unit of your choice, or use different display units with one set of measuring units. No license hassle!



BELT ALIGNMENT



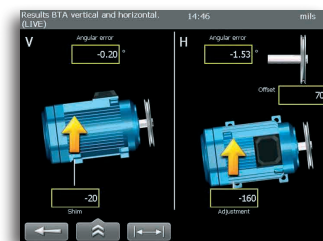
EASY-LASER® BTA

Easy-Laser® offers a wide range of laser pulley alignment tools for quick and easy alignment of sheaves/pulleys.

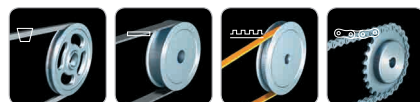
• **E180 BTA:** Digitally displays the parallel and angular misalignment "live". Add-on to the E720/E710/E540 systems, but can also be used as a separate tool thanks to the built-in display.

• **D160 BTA:** Digitally displays the parallel and angular misalignment "live". Separate detector and display units means you can follow the alignment "live" from where you are performing the adjustments.

• **D90 BTA:** Laser tool with targets for accurate visual belt alignment.



For almost all belt drives: V-belt, timing belt, flat belt and chain drives.



VIBRATION MEASUREMENT

EASY-LASER® VIB

Easy-Laser® E720, E710 and E540 Shaft alignment systems, and the geometric systems, include the Vibrometer program, with which you can measure overall vibration level (mm/s, inch/s) and bearing condition (g-value). The program guides the user through the points to measure on the machine: vertical, horizontal and axial. The result can be documented as normal.



(Requires the E285 Vibrometer probe accessory.)

EASY-LASER®

MEASUREMENT PROGRAM CONFIGURATIONS

E720	E710										
E980	E540										
E975	E420 XT440										
E970											
E960											
E950											
E940											
E930											
E920											
E915*											
E910*											

Only includes Flange programs and Values.** Limited to 3 machines for E540. *Accessory required.

STRAIGHTFORWARD BY ALL MEASURES™



THE TOTAL ALIGNMENT SOLUTION



ISO9001 CERTIFIED



STRAIGHTFORWARD BY ALL MEASURES

Easy-Laser® is one of the world's leading manufacturers and suppliers of laser measurement systems for all types of industry. We provide extreme accuracy and precision. But that's not what sets us apart. Today, when virtually anyone with a decent laser can do "straight", to get ahead, you need to be a bit more forward-thinking.

Because, in the long run, what really counts is neither the absolute straightness of an individual component nor the precise alignment of shafts. It's what these measures add up to: Increased productivity and the saving of resources. Those are the things we ultimately deliver. And from that perspective our most important task is to help you make the road leading there as free from bumps and bends as possible.

Regardless of whether you're a service technician, a purchaser or the CFO of a multinational industrial group, you'll find Easy-Laser® truly easy to deal with. Or as we like to put it – straightforward by all measures.

EXPANDABILITY

Easy-Laser® already offers standard versions of measurement programs and equipment for most types of machines. Moreover, there are a number of accessories to further extend the range of applications. Easy-Laser® offers what is probably the most versatile and cost-effective measurement systems on the market. It is The Total Alignment Solution for your operations!

QUICK SERVICE AND SUPPORT

Our service department usually takes care of servicing or calibration within five working days. As an extra service, we provide a 48 hour express service for when accidents occur and time is of the essence. Contact us for further information about terms and conditions.

MORE INFORMATION

Note: on the photos of each system only the main parts are shown. Download the system specific brochure with complete information from www.easylaser.com!

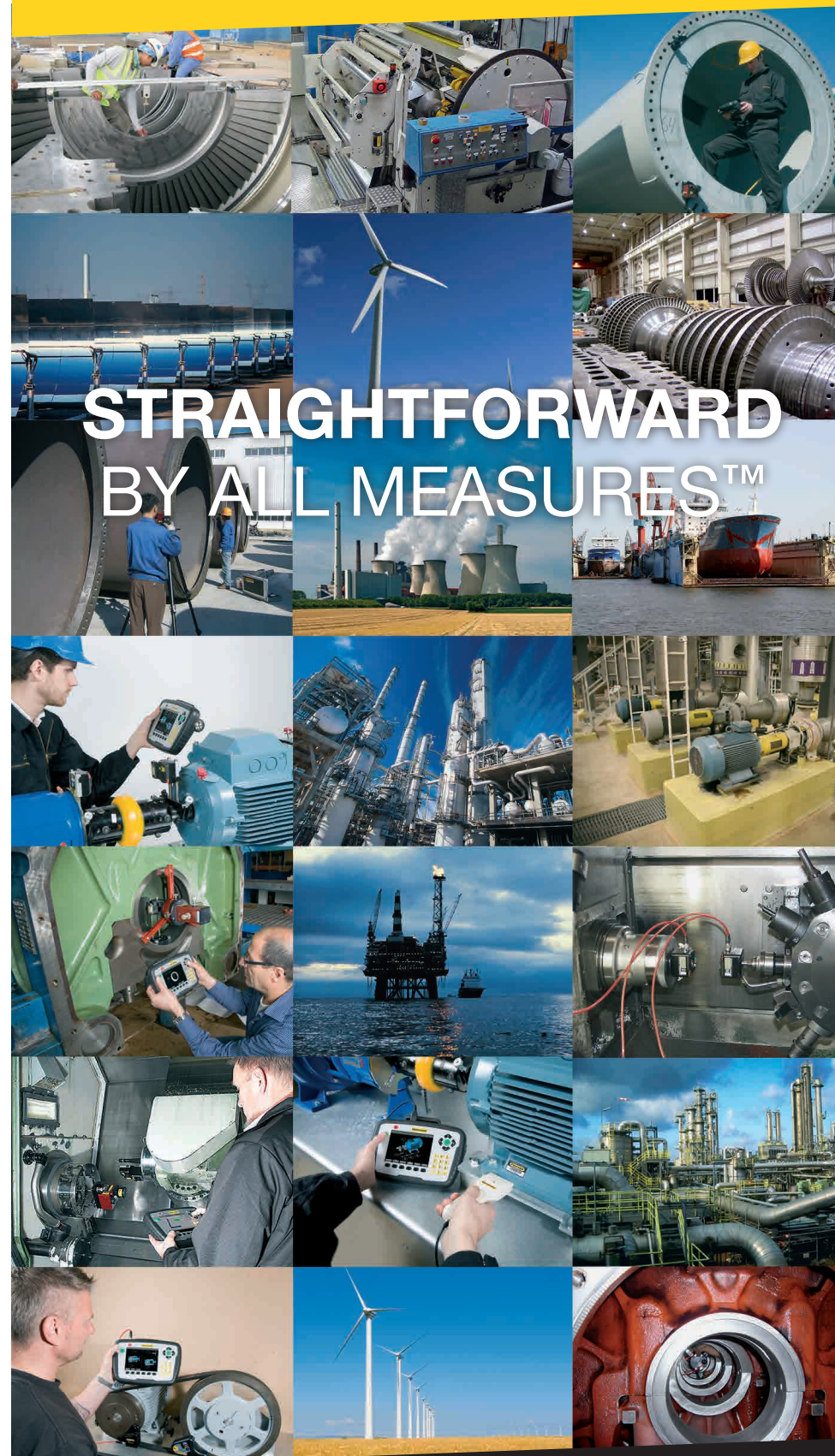
Authorized distributor



Easy-Laser® is manufactured by Easy-Laser AB, Alfagatan 6, SE-431 49 Mölndal, Sweden 05-0619 Rev8
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 These products comply with: EN60825-1, 21 CFR 1040.10 and 1040.11.
 Contains FCC ID: Q00BGM111, IC: 5123A-BGM111 and FCC ID: PPD-QCA6234, IC: 4104A-QCA6234.

PRODUCT OVERVIEW

MEASUREMENT & ALIGNMENT SYSTEMS



STRAIGHTFORWARD BY ALL MEASURES™

EASY-LASER®

www.easylaser.com

SHAFT ALIGNMENT

Bluetooth® WIRELESS COMMUNICATION

EFFICIENT!

The Easy-Laser® E-series shaft alignment systems are very easy to use. Large 5.7" colour display, guiding software and wireless communication are some of the features.



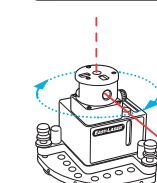
EASY-LASER® E720 SHAFT

With Easy-Laser® E720 we include our very versatile laser transmitter D22, and all geometric apps. With this measurement system you can perform almost any kind of machine set-up and quality check:

- Measure the base twist and flatness
- Measure straightness of pipes and shafts
- Measure flatness of parting surfaces
- Measure vibration level*
- Measure bearing play
- Check soft foot
- Measure the machine position
- Align the machine
- Document the results



*Accessory E285 VIB required



With Laser transmitter D22 you can measure straightness and flatness within a 40 m radius circle, and squareness to this plane.

EASY-LASER® E710 SHAFT

Easy-Laser® E710 is the Total Alignment Solution for your rotating machinery! This measurement system handles all stages of machine set-up:

- Measure the base twist
- Measure vibration level*
- Measure bearing play
- Check soft foot
- Measure the machine position
- Align the machine
- Document the results



*Accessory E285 VIB required

EASY-LASER® E540 SHAFT

Easy-Laser® E540 provides the ideal balance between performance and price allowing you to create the best conditions to operate your machinery economically and problem-free. With built-in wireless units.



EASY-LASER® E420 SHAFT

Easy-Laser® E420 redefines the entry level for shaft alignment systems! Built-in wireless units, large 5.7" colour display and measurement functions like much more advanced systems.



FLANGE FLATNESS



MOBILE MEASUREMENT

The Easy-Laser® Flange flatness systems are really easy to use! You get a True3D graph result and all best fit calculations available directly on site.

EASY-LASER® E915/E910 FLANGE

For flange flatness measurement. See the result as a true 3D image in the display unit directly after measuring. Evaluate the result easily with different calculation settings directly on site without having to stop to go to a PC with separate analysis programs. This makes production much more efficient.

Two Flange systems are available:

Easy-Laser® E915 with Spin Laser.
Easy-Laser® E910 with Swivel Laser.



GEOMETRICS IN GENERAL

EASY-LASER® E920 GEOMETRIC

This versatile system can be used to carry out all the most common geometric measurements; straightness, flatness, squareness, plumb and level. Measurement is quick and precise. Displayed resolution is 0.001 mm [0.05 mils]. The system can provide full documentation, with direct generation of PDF reports, and database programs for PC. The laser transmitter is our well known big seller, the D22 with levelling table, strong magnetic feet, and a range of up to 40 m.



EXTRUDERS

EASY-LASER® E930 EXTRUDER

The Extruder system E930 is designed to measure straightness and pointing direction, primarily on extruder pipes. Another application can be hydraulic pipes for example. The well-thought-out design of the system ensures that the measurement procedure is quick and accurate. Diameters down to 50 mm [1.97"] can be measured. Working range is up to 40 m [130']. The programs guide you through the measuring procedure, which speeds up the work.



MACHINE TOOLS



TOTAL CONTROL

All measurements with the E940 system will compare results with ISO10791-1 or 10791-2, the standards used for machine tool measurement.

EASY-LASER® E940 MACHINE TOOL

Easy-Laser® E940 Machine tool system is a complete measurement system for measuring and aligning machine tools. The most important thing to check is the geometry of the machine; straightness, spindle direction, flatness and squareness, because not even a precisely calibrated linear motion can compensate for a crooked movement or uneven surface. Compared to conventional methods, such as dial gauges, mandrels and stones, work can be carried out much more accurate and quickly with the use of a laser measurement system. And do not forget, the results can be documented.

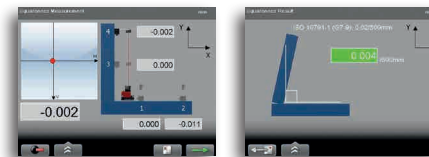
- Light and handy equipment
- Possible to measure and align over long distances
- Document the result as PDF and to PC



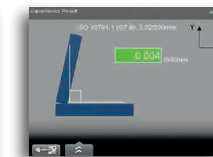
Spindle direction



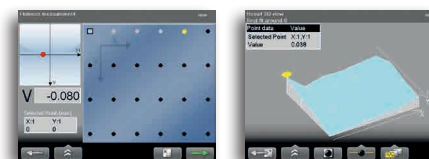
Spindle direction result



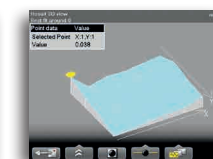
Squareness



Squareness result



Flatness



Flatness result graph



Makes it possible to display a resolution of 0.0001 mm [0.000005"/0.005 mils].

LEVEL MEASUREMENT

EASY-LASER® E290 DIGITAL LEVEL

Digital levels are extremely useful tools for setting-up and aligning most types of machine, for example, levelling machine tables, rolls, bases, etc. Other areas of use include checking straightness, flatness and parallelism. Easy-Laser® E290 now also offers the possibility of documenting the work, by wirelessly connecting to your Easy-Laser® alignment system. E290 is the perfect addition to laser based alignment systems and is an investment that can be recouped quickly thanks to the broad areas of use.

Use your iPhone, iPod or iPad as display!

With our free app Precision Level you can follow the alignment from the place where you adjust the machine, and document your measurement.



BORE ALIGNMENT



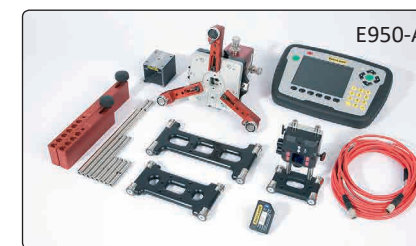
EASY-LASER® E950 BORE ALIGNMENT

Easy-Laser® E950 makes measuring and aligning bearings and bearing journals easier thanks to wireless detector and versatile brackets.

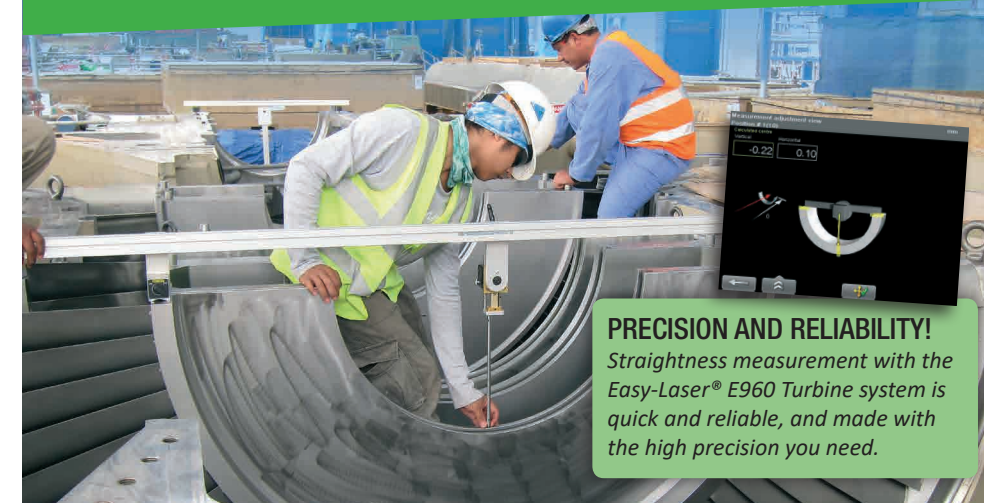
- Measures both full bores and half bores
- Multi-point measurement
- Bore ovality measurement
- Calculate waviness (short and long) and best-fit

Available configurations:

Easy-Laser® E950-A and E950-C for Diesel engines, Compressors, Gearboxes etc.
Easy-Laser® E950-B and E950-D for Propeller shaft drive lines with sterntube.



TURBINE ALIGNMENT



PRECISION AND RELIABILITY!

Straightness measurement with the Easy-Laser® E960 Turbine system is quick and reliable, and made with the high precision you need.

EASY-LASER® E960 TURBINE

Easy-Laser® E960 Turbine alignment systems make the measurement and adjustment work of diaphragms and bearings easier thanks to the wireless detector unit and measurement programs that guide you through the measurement process.

- Measures both full bores and half bores
- Multi-point measurement
- Bore ovality measurement
- Calculate waviness (short and long) and best-fit

Available configurations:

Easy-Laser® E960-A: Suitable for gas turbines and smaller steam turbines.
Easy-Laser® E960-B: Suitable for large turbines.



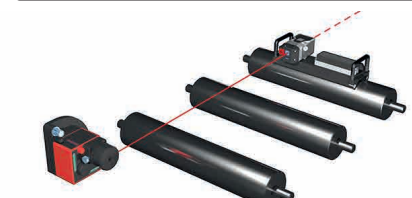
ROLL ALIGNMENT



EASY-LASER® E975 ROLL ALIGNMENT

Designed mainly for roll alignment. The system is well suited when just one or two rolls are to be replaced or adjusted at the same time. The E975 use a new revolutionary detector, and a digital precision level. Quick to set up on the machine!

- Keep the maintenance and service work in-house
- Even short stoppages can be utilized
- Easier to use than traditional methods



EASY-LASER® E970 PARALLELISM

For parallelism measurement of rolls and other objects in numerous applications. The E970 is especially suitable when many objects are to be measured and aligned, and when the distances are long (40+40 m). Also measures level, straightness and flatness on wire sections (suction boxes), flatness on bases and straightness on rolls.

- For parallelism measurement of most kind of objects
- Versatile system – also for flatness and level



SAWMILLS

EASY-LASER® E980 SAWMILL

The Easy-Laser® E980 Sawmill system will help you increase efficiency and save money in your sawmill. The system measures straightness, flatness and squareness. Saw blades, band wheels, reducers and steerings are aligned and positioned. It can be used equally well for circular saws and band saws.

