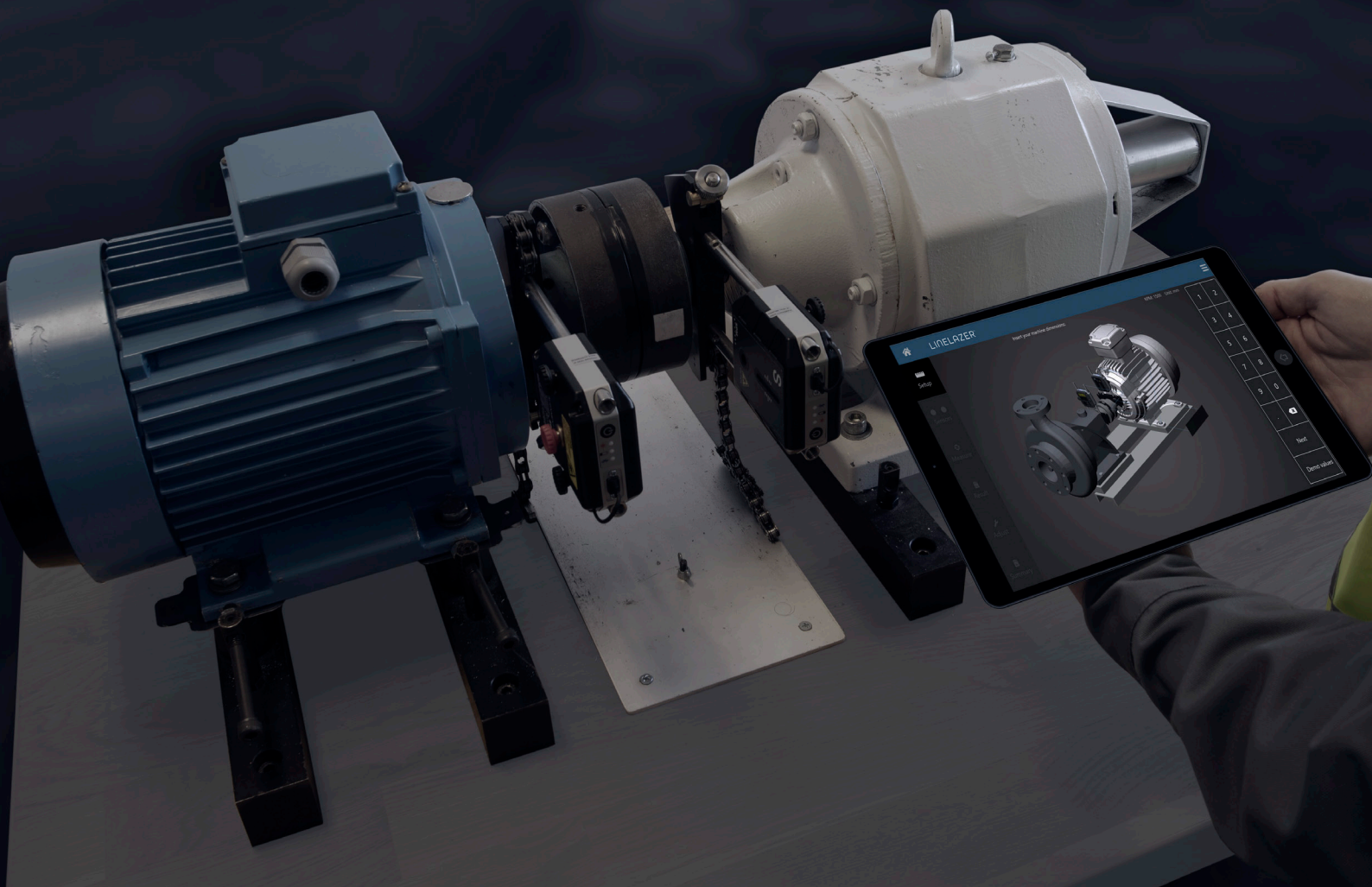




LINELAZER™

EFFICIENT AND RELIABLE PRECISION SHAFT ALIGNMENT

LineLazer is a trusted and accurate solution for shaft alignment, compatible with the user-friendly SPM LineLazer app. This dual-laser system is ideal for various machinery configurations, including horizontal, vertical, and flange-mounted machines with coupled or uncoupled shafts.



SPM Instrument has provided top-notch condition monitoring technology to industries worldwide for almost half a century. Our focus is solely on creating world-class solutions for reliability and maintenance, a dedication that sets us apart from others in the field. We take pride in our work and are passionate about delivering the best in condition monitoring.

LINELAZER™

Accurate machine alignment with LineLazer sensors

The IP65-rated LineLazer alignment sensors use digital signal processing to distinguish signals from interfering light sources accurately. The high-precision digital CMOS linear image sensors provide maximum accuracy, and the sensors communicate via Bluetooth.

For a more efficient and user-friendly laser alignment experience, the LineLazer app has been designed specifically for use with the LineLazer precision shaft alignment sensors. The intuitive app guides users through the alignment process visually appealingly, providing clear guidance on the necessary adjustments to achieve perfectly aligned equipment. The LineLazer app is available on Windows, iOS, and Android devices and can be downloaded for free from AppStore and Google Play.

Precision alignment with LineLazer

The LineLazer alignment kit provides reliable and hassle-free machine alignment. Dual-axis high-precision inclinometers measure the angle of rotation for both detector units continuously, allowing for measurements in fully automatic mode with less than half a turn of the shaft.

The system performs alignment calculations for both horizontal and vertical or flange-mounted machines, with built-in features such as soft foot check, thermal growth compensation, and tolerance checks. The severity of misalignment is indicated in a green-yellow-red scale. The 'Feet lock' function offers alternative alignment corrections automatically, making the alignment process quick and easy.

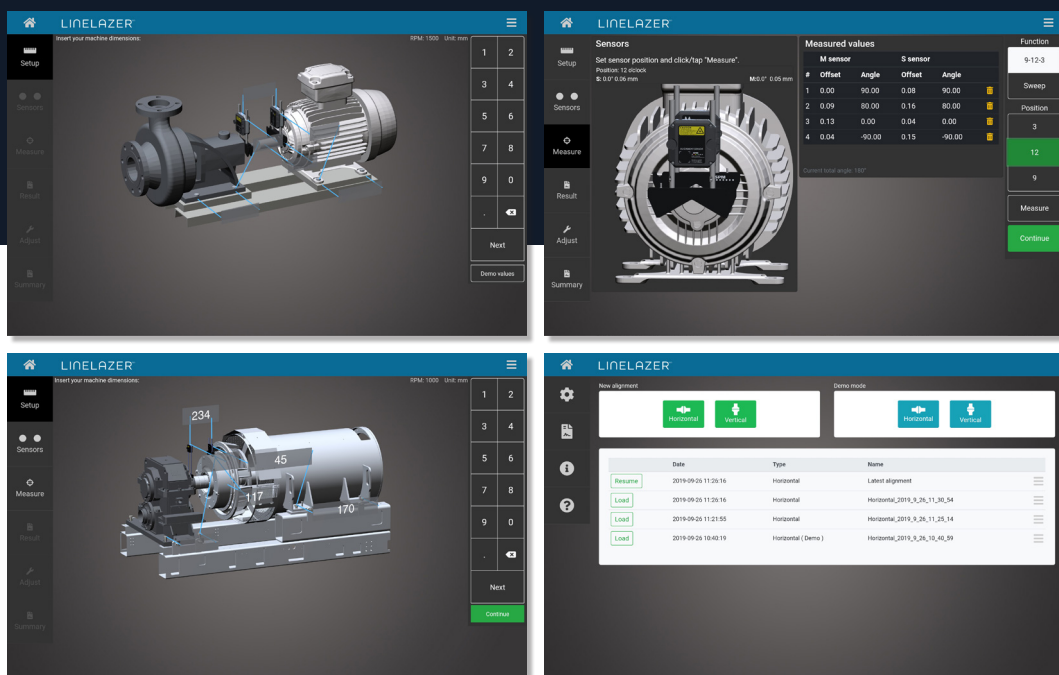


Effortless alignment with this user-friendly app

The LineLazer app makes aligning rotating equipment more straightforward than ever. The app guides users through the entire alignment process in a user-friendly, intuitive manner, using a visually appealing and easily understandable 3D graphical interface.

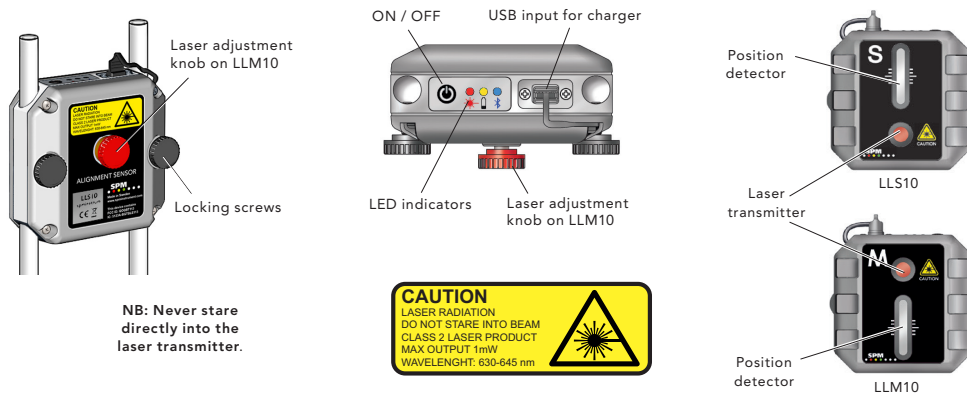
Much emphasis has been put on making the app user-friendly and convenient for users. The ability to rotate the virtual machine for a live 3D view from any angle makes it easy to understand. The continuous sweep function, which allows for measurements during rotation, saves time and effort. The app can also highlight misalignment conditions visually, making it easy to see any vertical or horizontal angularity and offset.

Once the system has identified the degree of misalignment, the app provides clear, on-screen guidance for making the necessary adjustments to achieve perfectly aligned equipment. After the procedure is completed, users can save the details and results in a report for future reference, and the reports can be shared as PDF files via email.



LineLazer app features:

- Accurate and reliable alignment results
- User-friendly interface with live 3D graphics
- Easy to use and responsive design
- Continuous sweep
- Visual amplification of misalignment
- Soft foot check
- Feet lock
- Thermal growth compensation
- Tolerance checks
- Demonstration mode
- Free download without any license fees



Maximize machinery performance

The LineLazer dual-laser alignment sensors are designed to provide quick and reliable shaft alignment for your machinery. With a measuring range of up to 10 meters (32.8 ft), the sensors ensure optimal performance.

The sensors feature built-in self-diagnosis and calibration functions, making them easy to use and maintain. Rechargeable Li-ion batteries provide more than 12 hours of regular use, so you can trust the sensors to be available when needed.

LineLazer is designed to operate in a wide range of temperatures, from -10 to $+50$ °C ($+14$ to $+122$ °F). It has a mini-B USB connector for battery charging and firmware updates, and Bluetooth communication for safe and convenient cable-free alignment.

The housing of LineLazer is made from durable PC plastic and anodized aluminum, and has an IP65 rating for protection against water and dust. The sensors are compact and lightweight, with dimensions of 86x81.5x40 mm (3.4x3.2x1.6 in) and a weight of approximately 230g, which makes them easy to transport and store.

LineLazer alignment kit

The LineLazer alignment kit comes with alignment sensors, durable aluminum brackets, extendable chains and rods, a battery charger, cables, a Bluetooth dongle, and a tape measure. A carrying case is available as an optional accessory. The kit can be used with various equipment, including compressors, gearboxes, generators, and pumps.



Shims

Individual, high-quality stainless shims, accurately marked with their size and thickness, are sold in packs of 10 or in assortments of cases for convenience. These shims help minimize the time needed for machine alignment and ensure high precision.



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