

**FLUKE®****Reliability**

Maximize Efficiency & Reliability with Precision Alignment tools from Pruftechnik



Reduce Operational Costs

By minimizing wear and tear, our solutions decrease energy consumption and prevent expensive downtime.

Enhanced Accuracy & Speed

Our systems deliver fast, pinpoint alignments with advanced software analytics for straightforward, efficient maintenance. Single laser technology cuts setup time by 50%.

Versatile Applications

Perfect for a full range of industries and applications, from standard machines, large machines with multiple couplings, plus cardan shaft types.

Rapid Time-To-Value

Save machines the same day your tool arrives – immediate return on investment, plus correctly aligned machines use less energy.

More Uptime, Lower Costs

Customers have typically cut maintenance costs by 40%, reduced number of repairs by 30%, and saved \$12.5k per machine annually.

Simplified Reporting

Demonstrate your reliability program's ROI with an app that allows you to report, share results and user management for data-based decision making.

Pruftechnik Alignment Tools help you move from reactive to predictive maintenance.



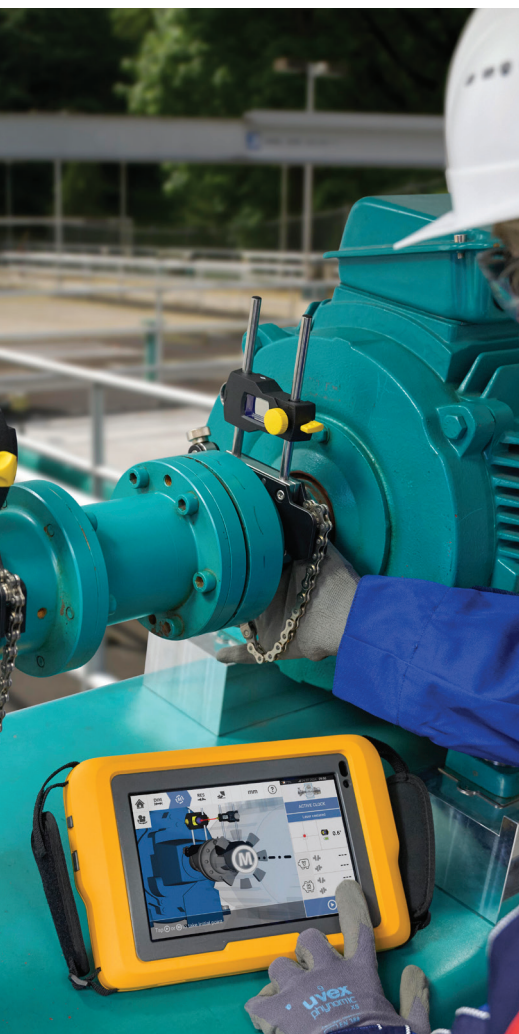
**Increase Asset
Lifespan**



**Cut Maintenance
Costs by 40%**



**Maximise Uptime
and Revenue**



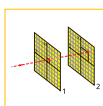
Single-laser technology

Prüftechnik laser alignment systems leverage technology that uses only a single laser beam. That makes them easy to install and guarantees maximum precision, even in the event of extreme angular misalignments.



Active Situational Intelligence

Active Situational Intelligence (ASI) is a groundbreaking problem-solving technology, exclusive to the Adaptive Alignment systems from Prüftechnik. ASI helps the user avoid mistakes while working quickly to measure and align machines.



IntelliSweep™

With the intelligent IntelliSweep™ HD measuring mode, interference factors such as coupling play, angular misalignment, or external vibration sources can be easily found by the user and eliminated from the system in order to avoid poor data quality. As soon as the shaft rotates, a large amount of data is automatically and continuously recorded. The repeatability and the measuring precision are thus many times higher than with conventional measuring methods based on a three-point measurement.



SenseAlign™

The patented SenseAlign™ sensor technology features a built-in inclinometer. This is based on the use of a microelectromechanical system (MEMS) that measures over a total of seven axes. The XXL HD PSD sensor forms the basis for this. With this superior SenseAlign™ technology, our intelligent IntelliSweep™, Simultaneous Live Move, and Quality Factor measuring modes, we achieve repeatable and precise measurement results in every area of misalignment.



IntelliPass™

With the intelligent IntelliPass™ measuring mode, based on IntelliSweep™, decoupled shafts can be measured and aligned to each other. For this purpose, the two measuring heads - sensor and laser - are rotated past each other in different angular positions. The measurements are taken automatically as soon as the laser beam hits the center of the sensor.

New Feature Bundles

Choose the right alignment solution for your needs



Feature Bundle	Applications
ShaftAlign Standard	Horizontal Standard Machines (e.g. Motor – Pump), Anti-Friction
ShaftAlign Advanced	Larger and more critical Machines, Dynamic Machines (Temperature or load related movement), Wind Turbines, Propeller Shaft in Ships, Spacer Coupling, Single Plane Coupling, No Coupling, Vertically mounted Machines with Short-Flex Coupling
ShaftAlign Expert/OptAlign Standard	Turbo Machinery (More critical and higher speed), 3 Machine Train, Sleeve Bearing / White Metal Bearing
OptAlign Advanced	Gas Turbines, Cardan Shafts, 6 Machine Train, Uncoupled Shaft
OptAlign Expert/RotAlign Standard	Every Machine Setup Any vertical machine type: Vertical Spacer Coupling, Vertical right angle gearbox
RotAlign Advanced	Cardan Shafts (without removal of shaft)
RotAlign Expert	Large machines with multiple couplings, Cooling Towers, Steam Turbines, Pipe Strains, 14 Machine Train