

VLSAT Pro

Use all features for free 30 days
Simple license key upgrade

The combines all of the common features with bolt or base bound, select coupling option and adds advanced features found in the most capable shaft alignment systems such as machine train, live move mode in any angle and many points mode or uninterrupted measurement method depending on user goals



Technical data

Bluetooth	4.0
Distance Between Units	up to 10 m (33 ft)
Laser Emission	diode laser with wavelength 635nm, class II, <1 mW
Dimensions	90mm x 60mm x 32mm(3.5 in x 2.3 in x 1.2 in)
Detector Receiver Length	30 mm (1.2 in)
Detector Resolution	0.001 mm
Protection Class	IP67 (Dust-tight and protected against water)
Measurement Accuracy	0.3% ± 7µm
Operating Temperature	from -10 °C to +55 °C (14 to 122°F)
Operating Time	up to 20 hours
Detector Type	latest generation of industrial linear detector
Ex Certification (option)	EACEx in accordance with Customs Union Technical Regulation TP TC 012/2011. Harmonized with UL as per https://www.ul.com/services/eurasian-conformity-eac-ex-certification

Advantages

Multi-Platform Solution

We are the first to offer a full-featured system that works on any iOS, Android, or Windows device.



We Provide Training

While we know our product is easy-to-use ... if you would like advanced training you can learn from us in our New York facility or from our distributors across the globe.



Remote Update

Get the latest updates via easy web download or the app stores. Add features just as easily by simply updating your license code.



Resource Savings

We have accelerated the alignment process to make your machines more cost-efficient and last longer.



International Team

Our team consists of some of the world's leading minds in precision alignment, condition monitoring, laser technology, and entrepreneurship.



Best Offer on the Market

Our products meet the highest quality standards and balance the best price and feature set. Technology has become less expensive!



Software

Horizontal Alignment

A brand-new step by step, intuitive interface with 3D animation simplifies the operator's work and reduces time spent on alignment. A unique memory management system allows you to save progress at any stage of the process and resume whenever you want

SmartSpin™

The measured values are automatically recorded during shaft rotation. With hundreds of points registered, you can start measuring at any shaft position. The measurement quality is controlled by a certified processing algorithm based on Shelley™ AI, which provides the greatest possible repeatability of measurements.

SmartAngle™

Take measurements at any three positions of the shaft rotation. Turn shafts in any direction at least by 20 degrees and register the results. This mode is extremely helpful when the clock method is off limits

Soft Foot Check

Adjust machine feet beforehand for better results. Soft foot check option is designed specifically for this job. The program analyzes the position of machine feet, indicates if any of them need adjustment, and saves all values for the further work

Select Coupling Type

This option allows you to specify the coupling type used for shaft connection – i.e., short flex or spacer shaft

User Defined Tolerance

Specify the alignment tolerance and user definable tolerances in advance according to the machine rotation speed

VibeDr™

VibeDr filters vibration related influences that can negatively impact precision alignment thus insuring the machines in the same proximity do not adversely affect your alignment job.

Save Job

Clock Method

An alignment method which requires the measurements taken at any three of four preset clock positions (3, 6, 9 and 12 o'clock)

SmartPoints™

This multipoint method allows you to record an unlimited number of points at any sector of the shaft circumference. It is perfect for centering turbines and machines with sleeve bearings

Vertical/Flange Mounted Machines

Measure and align vertical and flange machines with a program specially created for this purpose

Bolt or Base Bound

Get any pair of feet locked on the machine. Enabling this option will ensure precise results when aligning base-bound or bolt-bound machines.

Machine Train

Enable this option and align shafts of up to five machines that are connected together

SmartFilter™

Keep the alignment precise under any circumstances. The averaging filter reduced the influence of external visual challenges such as lighting, steam, and other visually impairing variables while taking measurements

Sensor Readings

Monitor the data coming directly from the measuring units on the screen of your device

User Friendly Reports

Save Job Feature - Allows user save alignment job status at any time and return to the job at a later time

Thermal Growth Expansion

Automatic compensation system for the thermal growth expansion of machines allows to keep the efficiency of alignment in any environment

Live Move Mode

Allows live aligning in any angle position of the measuring units. When it is not possible to install the measuring units strictly in the 9-12-3 hours position

Repeatability Table

Allows choose any from the last 10 measurements that you have taken based on which further actions will be carried out

Save alignment reports in PDF, add photos of the unit, the company logo and work notes when necessary

Switchit™

Simplify the measurements by selecting the machine location relative to an operator.

Shims Calculator

Allows user simulate changes in alignment results with virtual movement of the machine in horizontal and vertical planes

SmartShift™

When it's necessary to change the position of the laser units or change the position of the laser on the detector during the measurement, you have to use feature the Smart Shift™

What's in case



Measuring Unit M

Standard V-bracket



Galaxy Active Tab 2



Measuring Unit S

Standard V-bracket



Cable USB 2.0



Measuring tape



Extension rods 120mm



International adapter



Extension chains

Featured Accessories



Magnetic Base Brackets



Shims



Screw Knob



Let's talk

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