



WWW.VIBRO-LASER.COM

**VIBRO-LASER** **BASE**



## OUTLINE

**The BASE Model** is suitable for any situation in any industry, ranging from simple to advanced shaft alignment tasks. **The BASE Model** meets the highest standards of precision and offers the best price and feature set available on the market.

**The BASE Model** is the most appropriate alignment tool for coupled/uncoupled machines, where you manually rotate the shafts to any desired position. With **the VIBRO-LASER BASE Model**, you can easily align pumps, motors, gearboxes, and other equipment. The user-friendly interface requires no training, enabling a quick start.

**The Vibro-Laser Alignment Tool** ensures that your machines are properly aligned, effectively controlling vibrations, minimizing unnecessary wear and tear, and ensuring your equipment operates at full capacity for an extended period of time.

# FEATURES



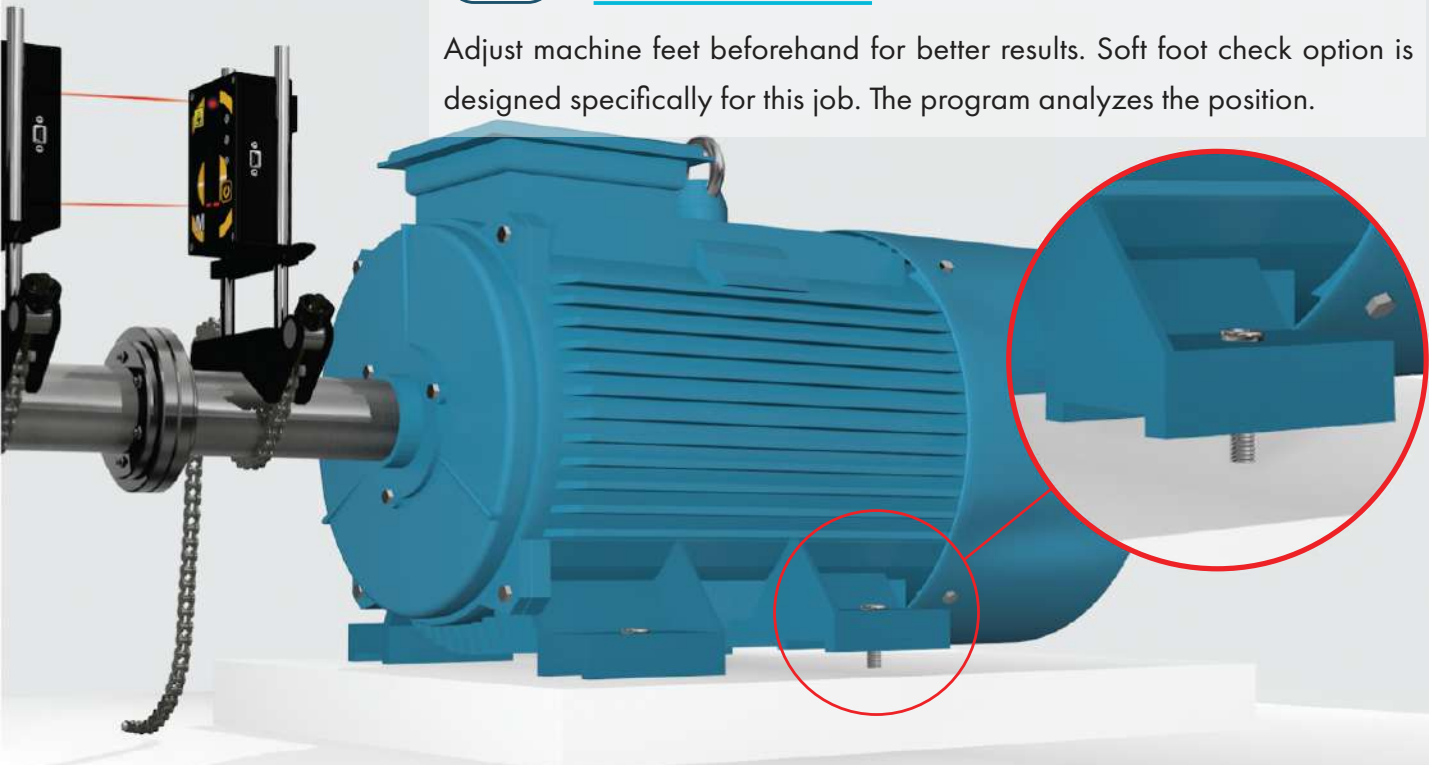
## CLOCK METHOD

The **9-12-3 o'clock method** is the basic method for taking measurements. It requires a clear set of units at the **9, 12 and 3 o'clock positions**.



## 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.



# FEATURES



## SMARTANGLE™

Take measurements at any three positions of the shaft rotation. Turn shafts in any direction at least by **40 degrees** and register the results.



## VERTICAL/FLANGE MOUNTED MACHINES

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



# FEATURES



## SMART FILTER

Reduces the influence of external visual challenges such as lighting, steam, draft and other visually impairing variables while taking measurement.



## USER DEFINED TOLERANCE

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



## VIBEDR™

Is responsible for reducing the vibration impact while taking measurement. Filter feature can be used to achieve reliable results even in high vibration conditions.



## SENSOR READINGS

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



## SAVE JOB

Allows to save the status of an alignment job at any time and return to the job later.



## USER FRIENDLY REPORTS

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



## THERMAL GROWTH EXPANSION

Automatic compensation system for the thermal growth expansion of machines allows to keep the efficiency of alignment.



## SWITCHIT™

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



# TECHNICAL DATA



## MEASURING UNITS S, M (2 UNITS)

DIMENSIONS	90mm x 60mm x 32mm (3.5in x 2.3in x 1.2in)
LASER EMISSION	diode laser with wavelength 635nm, class II, <1 mW
DISTANCE BETWEEN UNITS	up to 10m (33ft)
DETECTOR RECEIVER LENGTH	30 mm (1,2 in)
DETECTOR RESOLUTION	0,001 mm
OPERATING TEMPERATURE	from -10 ° C to +55 ° C (14 to 122 ° F)
PROTECTION CLASS	IP67 (Dust-tight and protected against water)
MEASURING ACCURACY	0.3% ± 7um
BLUETOOTH	4.0
OPERATING TIME	up to 20 hours
DETECTOR TYPE	latest generation of industrial linear detector
EXPLOSION-PROOF CONFIGURATION (optional)	EACEx in accordance with Customs Union Technical Regulation TP TC 012/2011 AND MINIMAL SET UP TIME

## CHAIN V-BRACKETS (2 UNITS)

PURPOSE	used to fix the measuring units on the shaft diameter 25 - 225 mm (1 in - 8.6 in).
CONTENT	1 × standard V-bracket
SUPPLIED WITH	2 x threaded rods of 160 mm (6.3 in), 1 x chain w/screw end 500 mm (19,7 in).

# CASE CONTENT



## **EXTENSION CHAIN WITH CARABINER (2 UNITS)**

Used for mounting on larger diameter shafts. Installed in addition to the standard chains.

## **RACKS (4 UNITS, 120 MM)**

Serve to increase the mounting height of the measuring units on the fixture.

## **TIGHTENING WRENCH (1 UNIT)**

Serves for the possibility of changing the attachment struts.

## **MEASURING TAPE (1 UNIT)**

Used to perform measurements before operating the measurements system.

## **HARD RUGGED CASE PELICAN 14875**

Engineered for robust usage, formidable impact, and superior weather resistance, this case excels in durability.

## **USB CABLE (2 UNITS)**

Required to charge the measuring units.

## **POWER ADAPTER (1 UNIT)**

Operates in collaboration with a USB cable to recharge the measuring units.

## **DISPLAY UNIT (1 UNIT, OPTIONAL)**

A unique tablet computer built specifically to increase fieldwork efficiency.





## CONTACTS

WHATSAPP



SITE



E-MAIL



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