



**VIBRO-LASER**  
instruments corporation

# **VLPAT**

Datasheet

A good sheave alignment laser system will increase efficiency.



## Sheave alignment

There are several different alignment methods, such as the labor intensive string and straight edge method, however, laser alignment is more accurate. The VLPAT™ will greatly reduce downtime and manpower needed to do the alignment. This results in increased production uptime and great labor savings.



**"You know you're aligned when the green line glows."**  
- Ron Dinwiddie, Production Manager

## System Advantages

Introducing new Retro-Reflective alignment targets that work indoors or outdoors using enhanced reflective technology. This means that the laser lines can be seen better in direct sunlight and adjustments are easier to make.

- > Faster Set-ups
- > More Accurate Adjustments
- > Less Bearing Wear

## How it works

The VLPAT™ sheave alignment tool projects a plane of laser light parallel with the faces of drive and driven sheaves. Adjustable targets attach to sheaves, intersect the laser beam and visually show any misalignment. The Retro-Reflective film on the center line of the target reflects the laser beam and "glows" for enhanced visibility and accuracy.



Reduce  
**premature**  
wear or failure  
of pulleys,  
belts and  
bearings.

The reflective film shows the laser's alignment line in "Real Time". This is called "Positive Tracking".

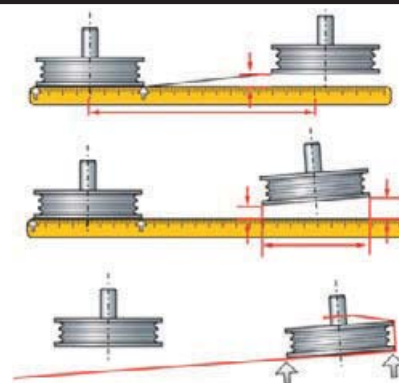
- > **Decrease Vibration** – Minimize Belt and Motor Bearing Wear.
- > **Compact Size** – Easy to use on small diameter sheaves.
- > **10 Times Brighter** – Can be used in direct sunlight
- > **Use as a laser level** – Check the height and flatness of motor and gear box mounting plates.

## Includes:

- > VLPAT™ System (Red or Green Beam)
- > 3-Retro-Reflective, Adjustable Alignment Targets
- > 1 – Foam Filled, Hard Carrying Case

## Technical Specs

<b>Laser</b>	Class II, <1mw
<b>Vial</b>	40 Arc Minute
<b>Laser radiation</b>	Diode laser with laser 532nm Green 635nm Red
<b>Beam Spread</b>	60" @ 3'
<b>Line Width</b>	Approx. 1/16" @ 30"
<b>Magnets</b>	Nickel Plated, Rare Earth
<b>Power</b>	2 AAA Alkaline Batteries (5hrs)
<b>Targets</b>	3 – Retro-Reflective, Adjustable over 1"
<b>Accuracy</b>	.070" & .050 degrees or 7 times more accurate than industry standards.
<b>Dimension:</b>	1 3/4" x 6 3/4" x 5/8"



**SERVICE - SUPPORT - SALES**

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