



## Laser Microgage PRO Dual Axis Measuring System: Propeller Shaft Alignmet Kit A

### Applications:

- Aligning propeller shafts
- Positioning rudder posts
- Shaft and drive alignment
- Installing helicopter drive shafts
- Aligning engines in locomotives
- Aligning turbine shafts
- Adjusting drive shafts and gear boxes

### Propeller Shaft Kit Includes:

- Microgage PRO Smart Display Unit
- Microgage Cylindrical Laser
- Microgage 2-Axis PRO Receiver
- Adjustable Receiver Mount
- Magnetic On/Off Mount
- Receiver Bore Mount
- Pinpoint Capture™ Software
- Computer USB Interface Cable
- Charger/Power Supply
- Hardshell Carrying Case
- Operation Manual
- 1 Year Warranty



### About the Propeller Shaft Alignment Kit

For over 25 years, Pinpoint Laser Systems has offered the shipbuilding industry custom alignment solutions for propulsion and propeller shafts, ship sections, guidance systems, armament systems, carriages and other alignment applications.

The precision, durability, versatility and compact size combine to create the ideal alignment and measurement system for the shipbuilding industry. With growing interest from shipbuilding enterprises for Pinpoint Laser Alignment products, we have created a unique system called the "Propeller Shaft Alignment Kit", which answers many of the common applications in the industry.



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Measuring System	Specifications
Measurement resolution	0.0001" (2.5 micron)
Measurement accuracy	± 0.0002" or 1% of measurement (5 micron)
Operating distance	6" to 180"
Laser Transmitter*	Specifications
Laser accuracy	≤ 2 arc-seconds
Laser level	10 arc-second, machinist grade
Laser source	laser diode, 636Nm, < 1mW
Laser repeatability	<1 arc-second
Laser dimensions	4.3" L x 2.6" D x 8.1"C
Laser housing	solid machined aluminum, hard anodized coating
Receiver*	Specifications
Active detection area	(0.75" x 0.75" 19mm x 19mm)
Receiver housing	solid machined aluminum & hard anodized coating
Receiver dimensions	2.0" x 2.0" x .20", 2.0" x2.0" x 3.0" (wireless)
Smart Display	Specifications
Display configuration	hand-held, portable, self-contained
Resolution	0.0001" (2.5 micron)
Units	inch, mm, mils, custom
Display	state-of-the-art, color, high-resolution, touchscreen
Controls	keypad, multifunction buttons, touchscreen
Storage	data readings & notes up to 10,000
Housing	solid machined aluminum, hard anodized coating

Pinpoint Laser System's services a number of industries including:

- Aircraft
- Aerospace
- Automotive
- Electronics
- Energy, Gas & Oil
- Machinery
- Medical
- Plastics & Rubber
- Paper
- Shipbuilding
- And more!

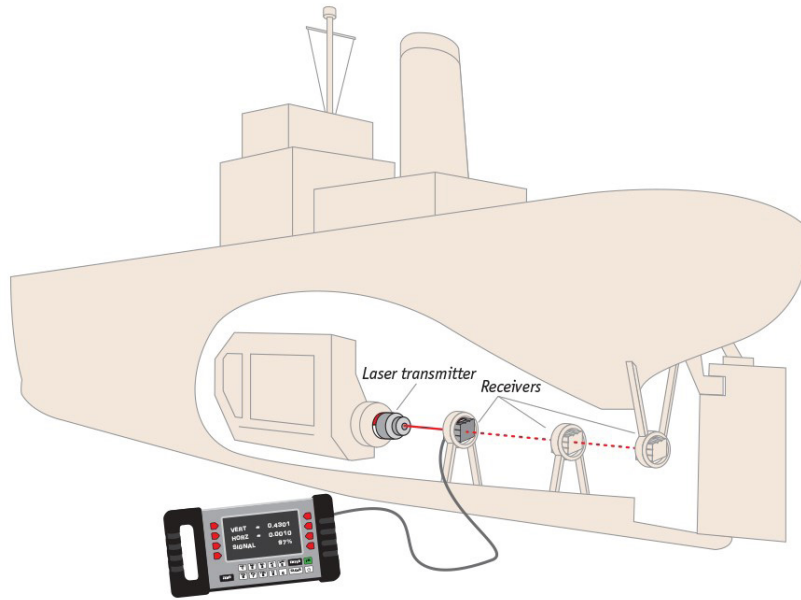
\* Other Options Available



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### Features:

- PRO Smart display unit
- Cylindrical Laser Transmitter
- Pinpoint Capture™ software
- Spindle Receiver Mount
- Wireless option for convenience
- Precise down to 0.0001 inch [depending on application]

### Benefits:

- Quick return on investment
- Intuitive set up and use
- Improves efficiency and expands in-house capabilities
- Removes guesswork for alignment or measurement
- Minimizes machine downtime
- Supports preventative maintenance efforts
- Eliminates need for outside alignment contractors
- Reduces machinery installation costs



### Propeller Shaft Kit Components:

- **A:** Microgage PRO Smart Display\*
- **B:** Microgage Cylindrical Laser
- **C:** Microgage 2-Axis PRO Receiver
- **D:** Adjustable Receiver Mount
- **E:** Magnetic On/Off Mount
- **F:** Receiver Bore Mount

### Optional Components Include:

- Microgage 4-D Receiver
- Microgage Transparent Receiver
- Microgage 2-Axis Disc Receiver
- Adjustable Cylindrical Mount
- Kit can also be configured with the Microgage 2D\*

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