

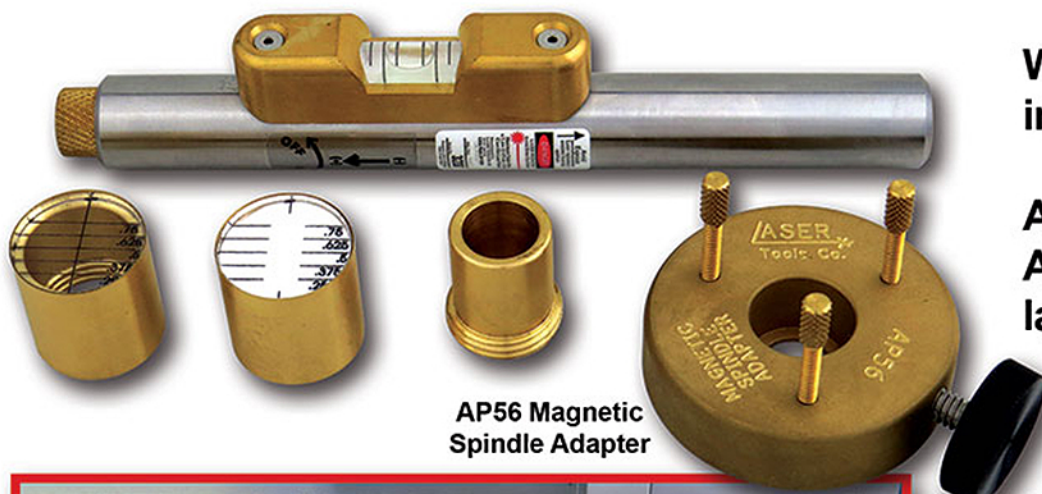


LASER

TOOLS CO., INC.



L56SS LASER BAR FEEDER ALIGNMENT SYSTEM



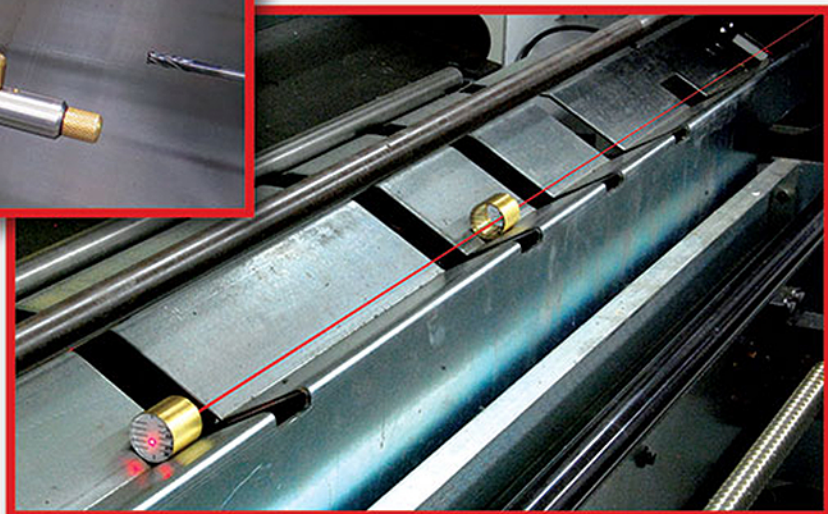
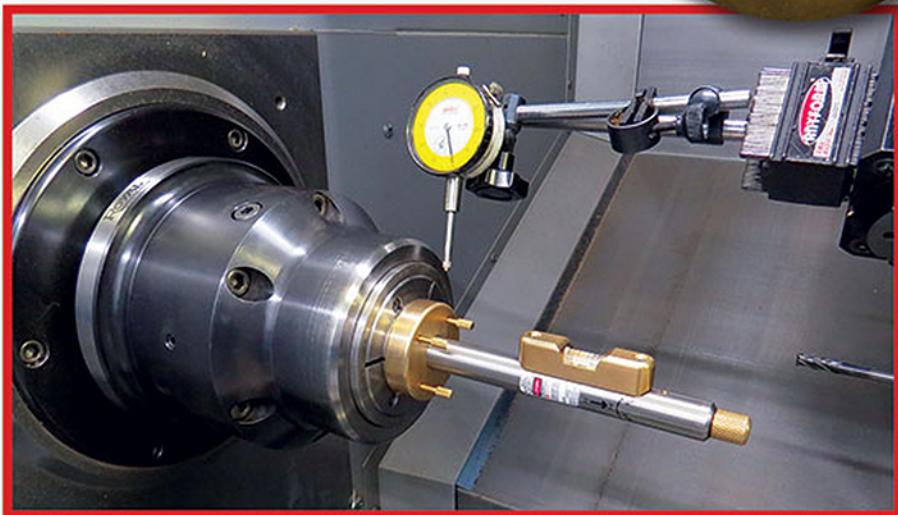
AP56 Magnetic Spindle Adapter

Works with Bar Feeders including Swiss Style

AP56 Magnetic Spindle Adapter mounts to all lathes and mills for checking and correcting alignment

L56 Laser bar is made from Stainless Steel

Setup in less than 5 minutes



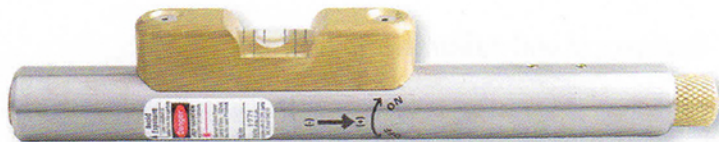
ORDER NOW!
1-800-598-5973



**DISTRIBUTORS
WELCOME**

Laser Tools Co., Inc., 12101 Arch St., Little Rock, AR 72206 | Copyright January 2015
Tel: 501-562-0900 | FAX 501-562-0022 | www.LaserToolsCo.com | info@lasertoolsco.com

L56SS Bar Feeder Alignment System



MACHINE ALIGNMENT LASER: IT'S ALL ABOUT MACHINE EFFICIENCY!

In our industry, critical machines in the production process require precise alignment to perform to specifications. Too often the alignment of machines is made by hand. If misalignment occurs, valuable operation time can be lost.

Machines drive pumps, bar feeders, gearboxes, transportation systems and more. In every installation, alignment is among the most critical of components. Nearly 50% of all breakdowns in rotating machines occur due to machine misalignment. During these breakdowns, 100% of production time is lost. An investment in a laser alignment tool can qualify as Preventive Maintenance equipment and decrease setup time.

CHALLENGES

- Improper bar feeder alignment increases machining hours
- Alignment of machines cannot be tested during production
- Bar feeder alignment can be altered during production by vibrations, poor foundations, or human interaction
- Employee training for bar feeder alignment is costly and time consuming
- The replacement of worn tooling from poor alignment is costly



**ALL OF THIS RESULTS IN
THE LOSS OF PRODUCTION**

HOW IT WORKS

The L56SS Industrial Alignment Laser is chucked within the lathe's spindle so that the laser beam shoots through the spindle and down the carriage of the bar feeder. Two targets are used to register the left and right, up and down positions of the front and back portion of the bar feeder's carriage. The left and right of center is adjusted during the installation of the bar feeder but is often readjusted when the feeder is moved or bumped. Depending upon the style of the bar feeder, the up and down height is adjusted manually each time a new diameter of bar stock is loaded into the bar feeder.

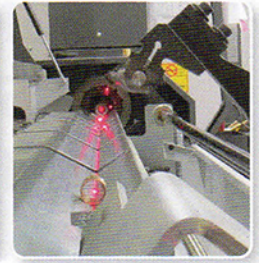
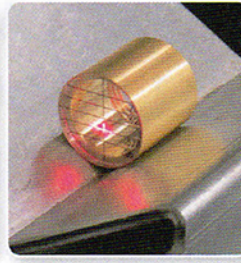
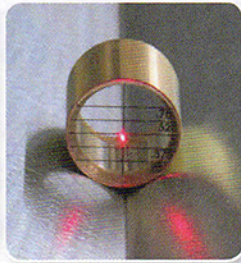
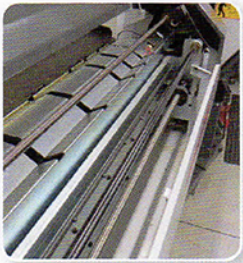


MODEL L56SS BAR FEEDER ALIGNMENT SYSTEM INCLUDES:

- L56SS Stainless Steel Alignment Laser
- 2 Clear Targets with 1/8" Graduations
- 3/4" Resizing Sleeve for Targets
- AP43 Foam Filled Carrying Case

OUR SOLUTION

- An instantaneous set-up using Self-Centering Laser Tools is 95% faster
- The laser beam is straight to $\pm .010'$ @ 10 feet
- Accommodates bores as small as $3/4"$ in diameter
- Tool is compact and portable
- Operates with 2 "AAA" batteries
- Reciprocal vial calibration
- Reduces operating cost by saving setup time
- Significantly increases machine availability by 95%



SPECIFICATIONS FOR MODEL L56SS BAR FEEDER ALIGNMENT SYSTEM:

Power: 2-AAA Size Alkaline Batteries – Over 12 hours of continuous use

Laser Beam: Class IIIa, 635nm @ <5mW

Beam Size: $1/16"$ @ 10' with removable aperture

Alignment: Concentric to Long Axis $\pm 1/8"$ @ 100'

"O" Ring Seal: Waterproof to 1m for 10 seconds, IP67

Carrying Case Dimension: $10\frac{1}{2}"$ L x 7" W x 3" D
(267mm L x 178mm W x 76mm D)

Targets: 1" L x 1" Diameter with grid lines every $1/8"$

RESULTS

Poorly aligned bar feeders require more energy to achieve the same results – The L56SS Alignment System is the perfect tool for:

- Reduction of maintenance cost, energy consumption and vibration
- Unplanned downtime so production is optimized
- Fewer emergency repairs

For over two decades, Laser Tools Co has been the leading provider of precision laser solutions and alignment products for the industry. We have been assisting companies in cost reduction, streamlining efficiencies and bringing profit back to the bottom line since 1992.



CALL NOW TO ORDER! 1-800-598-5973

MFGR. BY LASER TOOLS CO., INC. • 12101 Arch St. • Little Rock, AR 72206 • USA
PHONE 1-501-562-0900 • FAX 1-501-562-0022 • www.lasertoolsco.com • info@lasertoolsco.com

Copyright Aug. 2013