

Pinpoint Laser Systems®



Pinpoint Laser Systems Facility



Upcoming Event

• *Eastec 2009*

May 19-21, 2009

Springfield, Ma

Booth 3306

Pinpoint Laser Systems - Year In Review!

This past year started out busy as Pinpoint Laser Systems moved to new headquarters in Peabody, Massachusetts. Our new larger, energy efficient facility will allow for future growth as the need and demand for precision laser measuring and alignment of products continues to increase throughout industry. Along with our move, we introduced several new Microgage alignment kits.



New Assembly Floor at Pinpoint

Computer Interface Module

The enhanced Computer Interface Module consisting of a USB and RS232c interface and Pinpoint Capture, for the Laser Microgage 2D Alignment System. This module can be added or removed from the Microgage at anytime by simply disconnecting the interface cable that ties into the back of the Microgage display. The software is easy to load and use for selecting and collecting data.

Software features:

- Graph and Plot Measurement Readings

- Record and Export Readings
- Apply Scale and Offsets
- Manual or Automatic Recording Mode
- Works on all Windows Platforms



Microgage 2D Capture Software



Microgage 2D Transparent Receiver



Microgage 2D Transparent Receiver
shown on lathe alignment

The Microgage 2D Transparent Receiver can be used for aligning production machinery and equipment. A narrow laser beam provides a measuring reference line that allows the Transparent Receiver to determine the position of a machine or sub-assembly relative to the laser beam. The Receiver operates over distances of a few inches to 100 feet and delivers measuring precision of better than 0.0005 inch, making it ideal for demanding industrial alignment applications.

Features:

- Align Lathes, Bar Feeders & Turning Centers
- Position & Adjust Opposing Spindles
- Precision Bore Adjustment
- Roll & Web Alignment
- Check Machine Runout
- Check Straightness of Rails over long runs
- Assembly of Weldments



Microgage 2D Spindle Alignment Kit

Our Microgage 2D Spindle Alignment Kit is a new measuring and alignment system for lathes, turning equipment, spindles and related machinery. This Spindle Alignment Tool is easy to use, versatile, and affordable for use right on the factory floor. Ideal applications include aligning lathes and turning centers, adjusting boring mills, aligning drive shafts, adjusting barfeeders, and many other industrial projects. This newest Microgage system provides information on runout, centerline offset, parallelism, concentricity and other useful parameters that can guide machinery back to optimal alignment and improved profits.

Applications include:

- Align Lathes & Turing Centers
- Position & Adjust Opposing Spindles
- Adjust Extrusion Bore Tubes & Screws
- Align Boring Equipment
- Monitor & Adjust Machine Tools
- Align Bearings & Shaft Supports



Microgage 2D Spindle Alignment Kit



Precision 90 Line Square Plane Kit

Precision 90 Line Square Plane

The Precision 90-Line Square Plane is an enhanced version of the popular 90-Line Right Angle Beam Bender and configured for creating precise reference planes. The 90-Line takes the laser reference beam from the Microgage and turns it precisely 90 degrees with full rotational capability to create a reference square plane that is ideal for squaring machinery, adjusting machine tools, positioning slides, and checking gantries. In addition, the 90-Line creates precise parallel lines for checking roller alignment, tracks, and mechanical guides.



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PRECISION MEASURING &
ALIGNMENT PRODUCTS FOR
INDUSTRY, UTILITIES, AND
MANUFACTURING

Microgage 2D Roll Alignment Kit

The new roll alignment kit will facilitate the alignment of rollers, idlers; take up reels, shafts, and web-handling systems. This newest addition to the Pinpoint line is compact and easy to use in all industrial environments. The Microgage Roll Alignment kit is ideal for paper and textile mills, converting lines, printing presses, plastic bag lines, coating lines, and other roller and web-related applications.



Microgage 2D Roll Alignment Kit

Features:

- Measuring sensitivity of 0.0001 inch
- Works anywhere along a 120' laser line
- Operates in any orientation or position

- Mounting points for easy attachment
- No moving parts or calibration needed
- Solid, machined aluminum housing



*Wishing you a happy holiday season
And a prosperous 2009!*

*The staff at Pinpoint Laser Systems
Peabody, Massachusetts*

What's up for 2009!



Website:

Make sure to stop by our website in January as we are enhancing it with a "library" of engineering material and application notes.



For more information call us at 800-757-5383 or visit our website at www.pinlaser.com.
Custom alignment and positioning systems are also available.
Please call us or fill out the inquiry form on our website to receive quick and timely information.

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