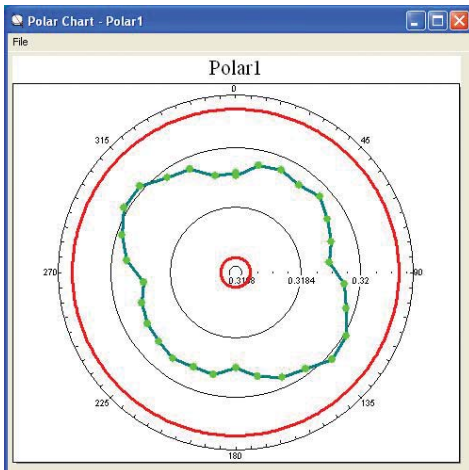


Finally, A Better Choice

BenchLinc **BENCHTOP INSPECTION SYSTEM**

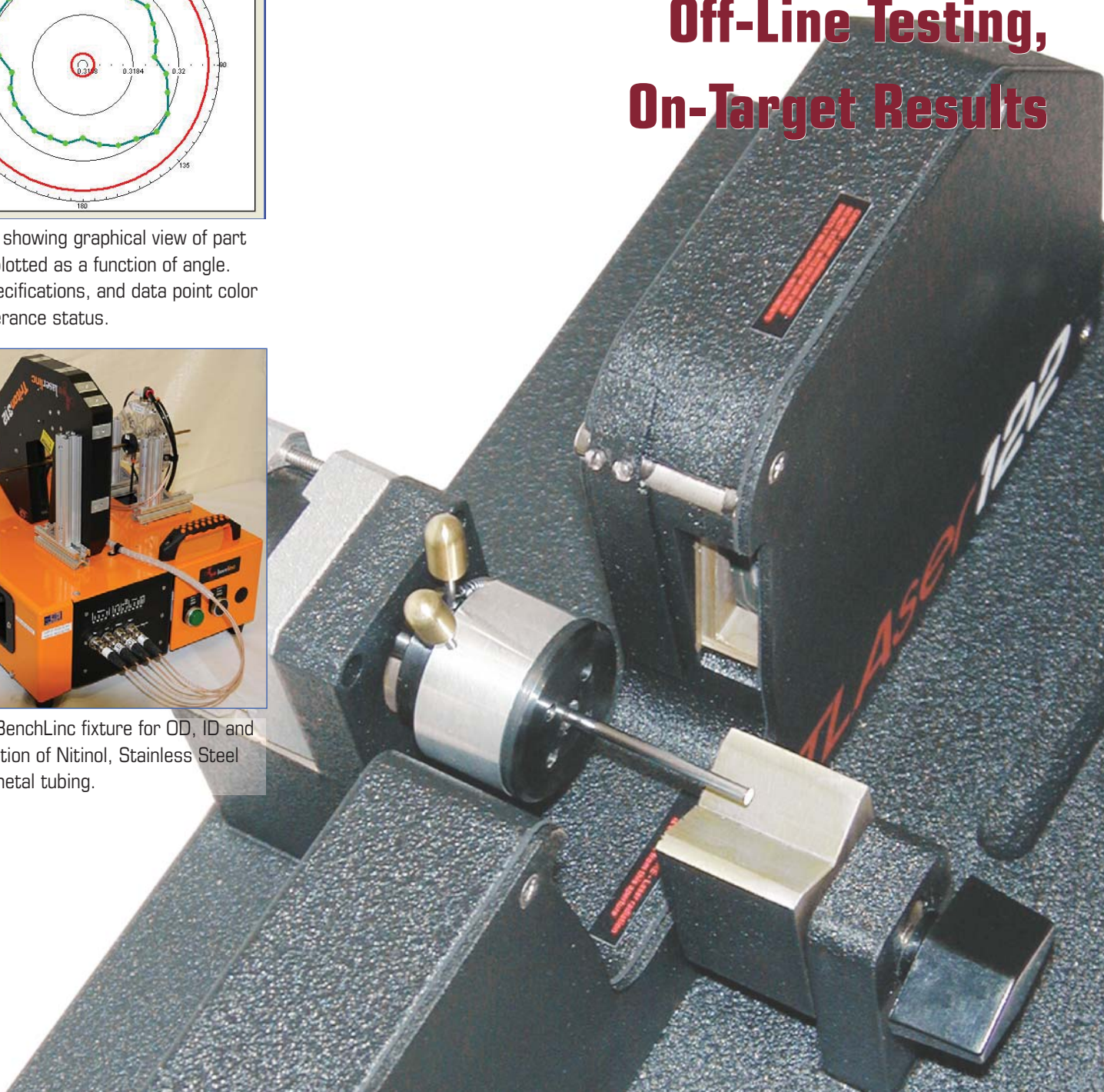
Off-Line Testing, On-Target Results



Polar Chart showing graphical view of part dimension plotted as a function of angle. Includes specifications, and data point color reflects tolerance status.



Ultrasonic BenchLinc fixture for OD, ID and Wall inspection of Nitinol, Stainless Steel and other metal tubing.



LaserLinc 777 Zapata Drive • Fairborn, OH 45324 • 937.318.2440
or 888.707.4852 • Fax 937.318.2445 • info@laserlinc.com • www.laserlinc.com
LaserLinc, Inc. is owned and operated in the U.S.A.; all products are manufactured in the U.S.A.

BENCHLINC SYSTEMS FROM LASERLINC: OFF-LINE TESTING, ON-TARGET RESULTS

The BenchLinc™ series is a table-top part-inspection system consisting of a specialized fixture paired with a measurement device—laser or ultrasonic (or both). The hardware is controlled by LaserLinc's Total Vu™ software. The particular system depends on the application for which it is intended.

Software interfaces are available in two versions: BenchLinc and BenchLinc Pro. Here are three typical fixtures in the BenchLinc product series.

Spring-Loaded Zero Chuck LaserLinc's spring-loaded chuck allows insertion and inspection of extremely small products. The chuck works with any product that has a round, oval, rectangular, hex, or convex shape. The chuck holds the part that is to be inspected, and software controls rotation of the part, enabling the system to perform a thorough, automated inspection of diameter and ovality—reducing error caused by human handling.

The spring-loaded chuck pairs with the TLAsEr122™, LaserLinc's fast and extremely accurate compact micrometer. Chucks are available in 0.5" (12.7mm) and 0.125" (3.17mm). The maximum size part for each is the stated size of the chuck. The minimum part size is the same as the minimum size for the TLAsEr122: .0015" (.038mm).

Ultrasonic-Based BenchLinc With this fixture, which uses the UltraGauge+, LaserLinc's ultrasonic measurement device, you can inspect cut-to-length metal tubing. The operator can position the tube manually at any location and at any angle. For operator ease-of-use, measurements can be triggered based on a push-button or a foot pedal.

ID/OD/Wall ID/OD/Wall is a fixture that mounts onto the TLAsEr160s™ split transmitter-receiver micrometer. The fixture is comprised of a mandrel and a drive mechanism.

An operator places a piece of tubing over the mandrel and lowers the drive mechanism onto the tubing. The drive mechanism rotates the tubing while the TLAsEr160s takes measurements.



Spring-loaded chuck mechanism.

BENCHLINC SOFTWARE FEATURES

- ❖ One-touch configuration simplifies setup process;
- ❖ Up to two user-defined interfaces for operators to enter or select information about an order, the process, or the product, including manually-supplied measurements, or other details;
- ❖ Tolerance checking, data logging, part and batch statistics, specifications for part measurements and maximum, minimum, average, and range statistics; trend charts, automatic data logging per product, built-in access to standard Total Vu software.

BenchLinc Pro software adds these great features:

- ❖ Polar Chart creation. Usable dimensions are diameter (with the spring-loaded chuck system, and ID, OD, or Wall with the ID/OD/Wall fixture).
- ❖ Up to eight user-defined interfaces for operators to enter or select information about the order, the process, or the product, including manually-supplied measurements, or other details;
- ❖ Produce electronic or printed reports based on Microsoft Excel templates;
- ❖ Share one bench-top system among multiple lines and operators using concurrent batching.

Spring-loaded chuck saves time and improves measurement accuracy.

True zero chuck resists maintenance problems and will not deform your product.

Software interface and features ease setup and provide important data collection and display options.



ID/OD/Wall fixture mounted to a TLAsEr160s micrometer

