

Finally, You Have A Better Choice



THE ULTRAGAUGE+™
*Non-Destructive In-Process
Ultrasonic ID/OD/Wall Measurement*

LASERLINC
CHANGES
THE
PRODUCT
INSPECTION
FREQUENCY



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THE NEXT-GENERATION IN-PROCESS ID/OD/WALL MEASUREMENT SYSTEM IS HERE!

LaserLinc, a leader in hardware and software for measurement and control, introduces its much-anticipated non-contact ultrasonic measurement device—the UltraGauge+™.

With ultrasonic devices, users can measure tubing walls during extrusion, enabling early detection of flaws and elimination of costly product waste. And, because the UltraGauge+ is designed to work with LaserLinc's line of laser micrometers and powerful Total Vu Software package, users can view the dynamic UltraGauge+ waveform graphs and the product cross-section—on any standard Windows PC.

The UltraGauge+ system consists of a digital signal

processor (DSP), transducer block, and laser micrometer; the DSP connects via Ethernet to a PC running Total Vu Software.

In a typical UltraGauge+ setup, the transducers are placed in a product's cooling tank. To build a picture of a product, the transducers emit acoustic pulses (pings), receive the pulses' echoes, and convert them to measurements. As it has been doing for years with laser micrometers, Total Vu Software takes the measurements and presents them in a graphical interface, giving users the data they need to monitor their product.

Make the UltraGauge+ **THE** choice for in-process non-destructive, wall-thickness measurement!

ULTRAGAUGE+ FEATURES

- ❑ Over 2000 measurements per second; accurate to $\pm 0.001\text{mm}$ ($\pm 0.000040''$).
- ❑ Supports one to eight transducers; can operate as two independent four-transducer systems.
- ❑ Closed-loop process control, full SPC, trend charts, histograms, and x-bar/range charts.
- ❑ Up to eight wall thickness measurements; ID and OD (w/laser micrometer).
- ❑ Built-in water purge.
- ❑ Ethernet connectivity.
- ❑ Supports up to two encoders.
- ❑ Available water bath temperature compensation.
- ❑ Compliant with IP65 enclosure standards and RoHS standards.



PRODUCT TYPES AND WALL THICKNESS RANGES MEASURABLE BY THE ULTRAGAUGE+

Plastics	.001" – 1.0" (.025mm – 25mm)	For some plastics such as Teflon, the UltraGauge+ can measure product as small as 0.0005"/.0127mm.
Rubber	.001" – 1.0" (.025mm – 25mm)	
Glass Tubing		Dependent on material type and wall thickness.
Metal Tubing		Dependent on material type and wall thickness.

The UltraGauge+ can also measure multi-layered product (up to three layers), but various factors will affect measurement capability. Because of the many variables involved with measurement of a particular material, LaserLinc will require samples to evaluate and determine suitability of the product.