



**Helping you deliver
medical innovation**

LaserLinc[®]

INNOVATE + VALIDATE



Diameter
Ovality
Wall Thickness
Concentricity
Eccentricity
Inside Diameter
Surface Flaw Detection



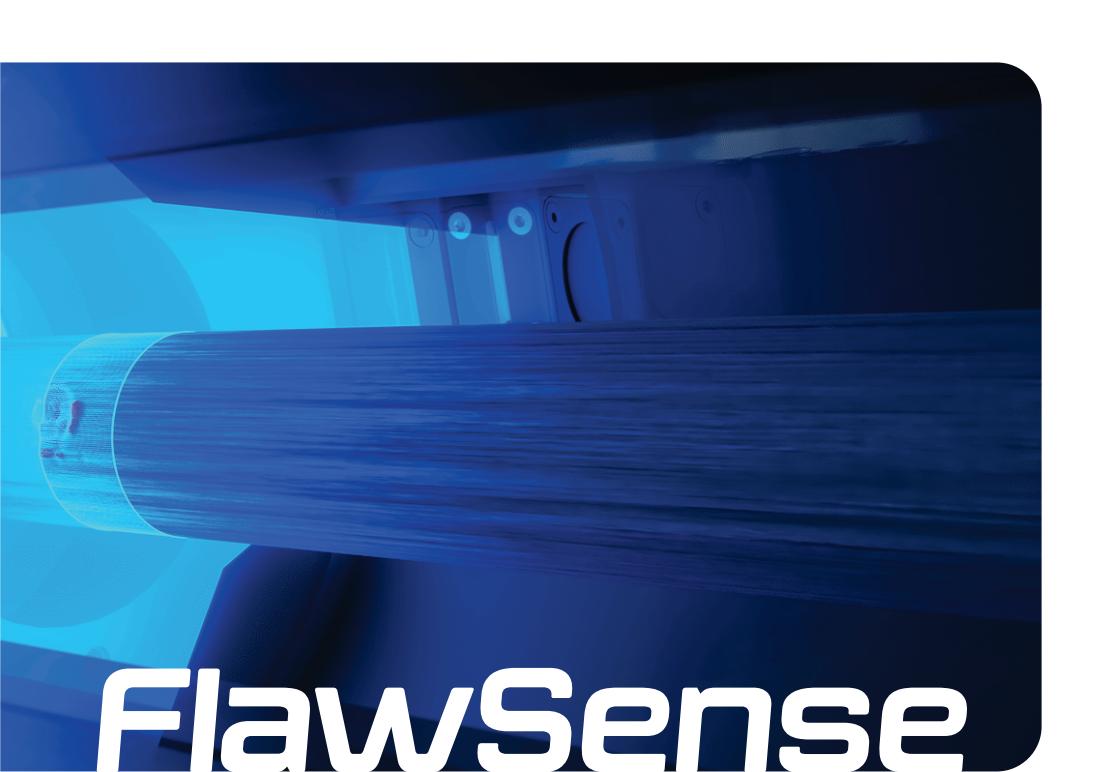
Medical manufacturers
partner with us to confidently
deliver high-quality products
with easily integrated non-
contact **measurement solutions**
and proactive support.

LaserLinc®

GENERATION

WOW!





FlawSense

The **re-imagined defect detection** does what vision and **other tech cannot do** because our laser-line triangulation system provides **a true 100% map of the surface**.

Mapping 100% of the surface **eliminates shape error**, a frequently overlooked problem afflicting many technologies.



Quality, forward.

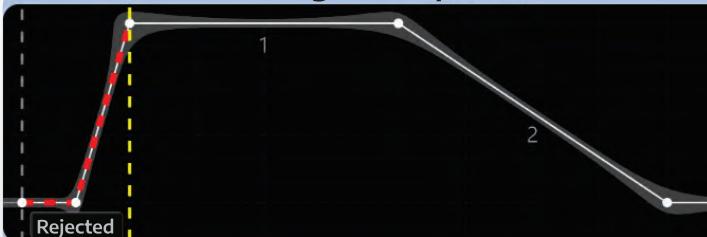


Check quality as it happens using LaserLinc's new **Bump & Taper** solution. Equipped with **virtual ring gauge**, profile analysis, and visualization tools, operators **see part quality** and can dial **in production** quickly. Control keeps it running smoothly.

Total Vu

SIMPLIFY

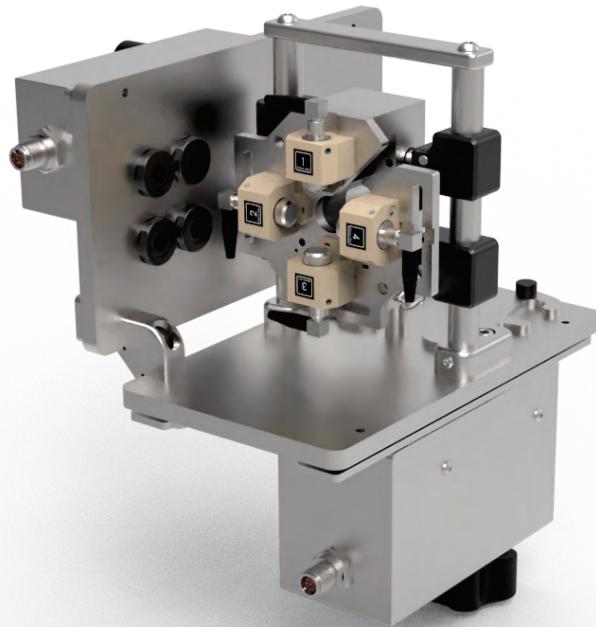
Single Bump



Dual Bump



AUTOMATE



NEW!

Ultrasonics, made easy.

Looking for the right wall thickness measurement tech? Your quest is over.

The **AutoPilot™** solution **automates sensor positioning**, **accelerates startup**, and **reduces scrap**. Eliminates perfectly-sized guides that abrade your extrudate.

AutoPilot



**MAKE IT
RIGHT,
MEASURE
IT WITH
LASERLINC.**

Our tools. Your success.

KNOW

Dimensions of
common shapes

Laser Micrometers

Diameter, Ovality

INSPECT

Wall thickness
& tube profile

Ultrasonics

Wall Thickness

Concentricity / Eccentricity

DETECT

Surface quality
defects

Laser-line Triangulation

Surface Flaw Detection

Dimensional Measurement

CONFIRM

Integrity of
finished product

Metron + BenchLinc

Auto Sample Inspection

OPTIMIZE

Your production
process

Total Vu

Analyze, Visualize, Control,
Connect, Report + more



Triton

Measure up.

Three axes give you the best ovality and up to 10x diameter performance.

One or two axes offer great value and application-specific fit.

Axion

Built to Measure.

KNOW

Dimensions of common shapes

Streamline your process by monitoring diameter and ovality during manufacturing. Our laser micrometers, and all of our devices, utilize **non-contact** technology and deliver **precision** measurements in real-time.

Seamlessly integrate any of our measurement devices with a wide range of thoughtfully designed accessories like stands, guides, calibration kits, and all-in-one inspection stations.

Optimize **production efficiency** by reducing variation and material usage, decreasing scrap, and automating line control.



INSPECT

Wall thickness & tube profile

Start up quickly with our UltraGauge™ ultrasonic technology, especially when paired with the new **AutoPilot™** positioning system. Immediate wall thickness and concentricity help you **reduce scrap** and meet exacting extrusion requirements.

The right ultrasonic transducers from LaserLinc deliver optimal wall measurement, from 25.4 µm [0.001 in] thick and up; from 76 µm [0.003 in] for metals! If you want outside and inside diameter (OD & ID), add a laser micrometer; for Ovality and the complete tube profile, make it a Triton™ micrometer.



Innovation forward.



AutoPilot

Accelerate startup.

Revolutionary sensor assembly positions itself for optimal measurements.

Update UltraGauge dynamic measurements automatically with verified sample data from a BenchLinc™ OD/ID system.

UltraLinc

Connect workflows.



FlawSense

Quality, assured.

Immune to shape error, an often unrecognized contributor to measurement error.

FlawSense on the Metron™ platform is the innovation tool for R&D & verifying part quality.

FlawSense Metron

Quality, verified.

DETECT

Surface quality **defects**

Find pits, bumps, cracks, scratches, blisters, wrinkles, and other irregularities. **True 100% surface mapping** and proprietary algorithms detect defects that vision and **other technologies cannot**, with unmatched speed.

Achieve **true ovality, diameter, circularity** and other measurements, **impossible with laser micrometers or vision systems**. FlawSense™ technology has **no blind spots** and is **immune to shape error**.

Do all of that, **regardless of product orientation**. When you have **zero tolerance** for bad product, it is simply the best technology available.



CONFIRM

Integrity of finished product

Our fit-for-purpose **all-in-one systems** make it easy for operators to confirm that you made what you intended.

Get **trusted results**, quickly. Metron™ and BenchLinc™ turn-key solutions integrate our non-contact measurement devices with part holding and our Total Vu™ user interface to make QC easy.

Verify and automatically **document results** to satisfy **quality compliance** standards.

Metron

Integrity, verified.



Innovation forward.

One click to scan part profile:
Verify dimensions of interest,
detect defects, accept or reject,
log data, and report.



BenchLinc

Go/no go, simplified.

BenchLinc UT

Verify OD, ovality, wall thickness, ID and concentricity of stent and other tubes, including: NiTi, SS, CoCr, PVC.

BenchLinc OD/ID

Verify OD, ID, and Wall of tubing samples. UltraLinc™ feature updates on-line UltraGauge settings to ensure consistency.

BenchLinc OD

Check OD of part samples at up to 100 points to verify profile.

BenchLinc V

Verify OD and ovality quickly and easily.

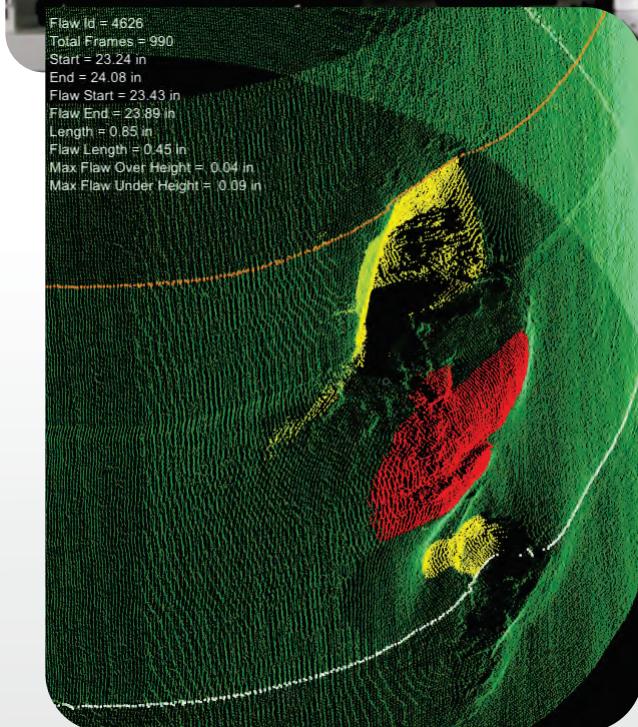


Photo courtesy of
"MedTech Unboxed"
and Steve Maxson

The FlawSense
VuMetrics™ flaw
viewer module: the
ultimate visualization
tool!



Innovation forward.

OPTIMIZE

Your **production** process

Bring it all together with the Total Vu HMI, our powerful visualization platform that helps you **lower costs, increase revenue, reduce risk, and streamline operations.**

Connect your enterprise and your line using the integrated OPC client & server. With all the built-in tools you need—reporting, SPC, FFT, feedback control, recipes, macros, configurable displays, and more—this HMI is **fully adaptable to the way you work.**

Easily and reliably connect

micrometers to your line control using industrial protocols; the Display option integrates a touch screen for local operation and visibility.

SmartLinc

Connect, effortlessly.

Measurement, transformed.

- Non-contact Precision
- Adaptable Visualization
- Seamless Integration
- Production Efficiency
- Quality Compliance

LaserLinc 

Innovation forward.

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