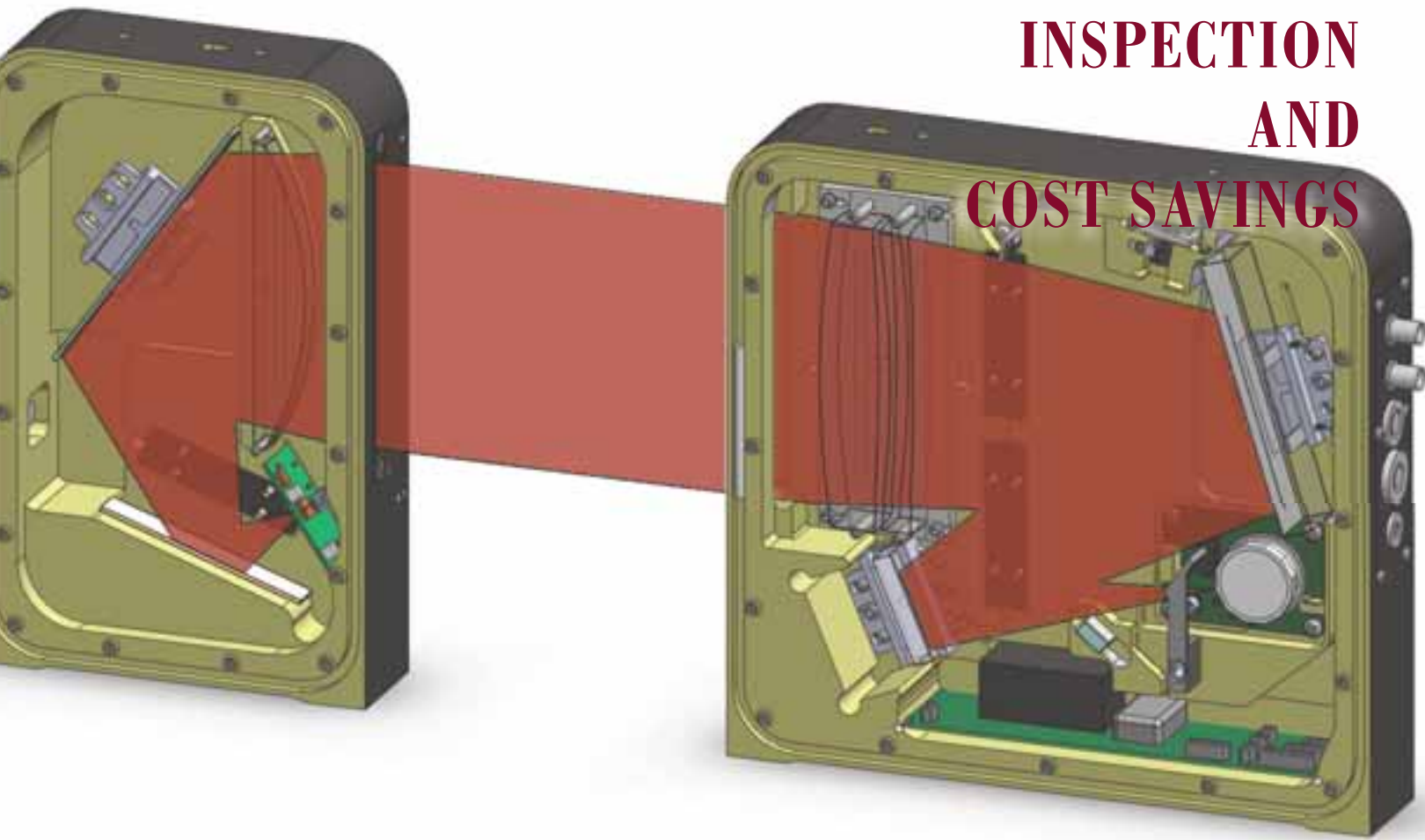


Finally, A Better Choice

THE S-GAUGES *TLaser160s and TLaser1120s*
Split Transmitter/Receiver Laser Micrometers

LASERLINC
FOCUS
ON
PRODUCT
INSPECTION
AND
COST SAVINGS



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TLAser160s and TLAser1120s

TLAser160s/1120s: 2-Part Housing For Multi-Strand, Hose, Pipe, And More!

LaserLinc's new single-axis TLAser160s™ and TLAser1120s™ laser micrometers, with their respective 60mm and 120mm measurement fields, plus high-speed scanning, provide incredible flexibility.

Like their smaller cousin, the TLAser122s™, the TLAser160s and TLAser1120s feature a separate transmitter and receiver. This configuration enables users to mount them farther apart to scan larger products and multiple assemblies. The micrometers can be attached to a rail, giving them the same layout as a one-piece gauge, but with adjustable distance between transmitter and receiver. Or, the transmitter and receiver can each be attached to separate stands, allowing full freedom of part movement through the gauge. In addition, the scanner-rail mounting can be rotated to an angle that best suits the product being measured.

As with all LaserLinc scanners, the TLAser160s and TLAser1120s link—via the TLAser400™ micrometer interface card—to a PC running Total Vu™ software. Total Vu software is LaserLinc's sophisticated, yet operator-friendly, measurement/data processing package, which runs on any Windows-based PC, providing in-process tolerance checking, trending, SPC, feedback control, data logging, recipes, and other features.

The TLAser160s and TLAser1120s incorporate a rotating polygonal mirror-based design, and they use the proven optics of LaserLinc's popular TLAser260™ and TLAser2120™ dual-axis micrometers. Optional air purges mount to the gauges to ensure reliable operation in harsh environments.

All LaserLinc micrometers have a **four-year warranty**, parts and labor. In virtually all cases, a temporary replacement will be shipped to you overnight if your micrometer needs warranty repair. LaserLinc's hardware, software, and service provide the tools you need to reduce scrap, save material, increase production efficiency, and improve quality.

FOR:

- ❖ Multi-strand measurement;
- ❖ Large pipe, hose, tube, and other products up to 120mm (4.72 inches) in diameter, or even larger with two separate micrometers stacked together;
- ❖ Measuring extremely hot products;
- ❖ Measuring product running inside pressure or vacuum tanks.



TLAser160s and TLAser1120s—Scanners Built for Speed, Accuracy, and Flexibility

	TLAser160	TLAser1120
Measurement Range	0.01"–2.36" (0.25mm–60mm)	0.028"–4.72" (0.71mm–120mm)
Measurements per second	1,600 standard 4,000 optional	1,600 standard 4,000 optional
Resolution	.000001" (.025µm)	.000001" (.025µm)
Repeatability Single Scan Two Second	±0.004" (±0.102mm) ±0.00002" (±0.5µm)	±0.008" (±0.203mm) ±0.00004" (±1.0µm)
Positional Error	±0.0002" (±5µm)	±0.0004" (±10µm)
Approx. Dimensions (H x W x D)		
Transmitter	7.5" x 8.5" x 2" (191 x 216 x 51mm)	10.25" x 10.7" x 2" (260 x 272 x 51mm)
Receiver	7.5" x 4" x 2" (191 x 102 x 51mm)	10.25" x 6.5" x 2" (260 x 165 x 51mm)
Weight	16 lbs (7.25kg)	21 lbs (9.5kg)

Power requirements from PC: No power requirements, power is received from AC cord plugged into 110-220VAC 50-60Hz 2-phase electric. Laser Class II visible red laser diode wavelength 670 NM