

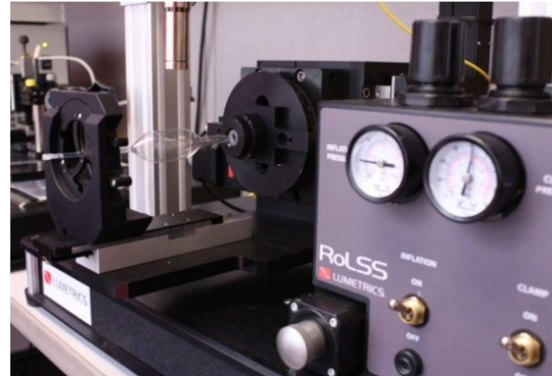


## OptiGauge™ Precision Thickness Measurement

# Rotational Linear Scanning System (RoLSS)

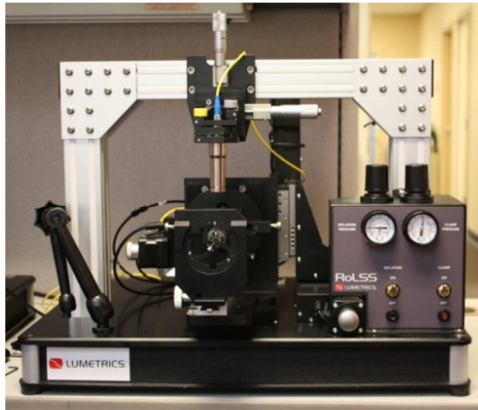
The Rotational Linear Scanning System (RoLSS) is the next generation of inspection equipment dedicated to those hard to measure products like medical balloons, silicone tubing, stents, and any cylindrical object where precise and repeatable measurements are required. With the data derived from RoLSS you can achieve higher quality products, reduce costs and inspection time, and ultimately improve customer satisfaction.

The fully automated, non-contact measurement system provides an alternative to pin gauges and razor blades, and replaces the common but imprecise, double-wall thickness measurement. Now exact measurements can be taken and relationships between critical features can be identified and corrected. RoLSS provides the user with the ability to not only measure wall thickness, but also inside diameter (ID), outside diameter (OD), ovality, concentricity, and coatings, which all contribute to the critical operation of these products.



RoLSS takes the guesswork out of testing simple or complex balloon designs by allowing measurements under any internal pressure and at any location. When you can easily map a complete balloon, modifications to designs, functionality, and processes become possible. When product attributes are measured so precisely, safety is ensured and productivity is enhanced.

RoLSS provides air pressure so that as a balloon is inflated and rotated, a user can study thickness variations across the length of the whole balloon. With the optional articulated second probe, cone areas can be measured and anomalies identified. In addition to rotational movement, RoLSS provides a linear stage to allow scanning along the length of a balloon. The system allows any balloon shape or size to be measured and mapped with our easy to use software interface.



In addition to balloons, RoLSS is ideal for all tubing and other cylindrical items, such as esophageal stents, no matter their size or material. Tubes are easily held in position with a quick change, adjustable air pressure collet that fits a range of samples.

RoLSS can be installed on the production line for real-time inspection of silicone, plastic, or glass tubing, or in the Quality Assurance laboratory for accurate thickness measurement of samples. The system comes complete with an intuitive pass/fail operator interface that allows complete scanning around or along an object, a step movement to various locations for measurement and a step and scan capability that allows scanning at specific critical locations on the part. Data

is available instantaneously on the display in numeric graphical form and can be downloaded to a file or exported to an external database for further analysis.

For additional information on this productivity improvement tool, please contact Lumetrics at [sales@Lumetrics.com](mailto:sales@Lumetrics.com) or Steve Heveron-Smith ([sheveron-smith@Lumetrics.com](mailto:sheveron-smith@Lumetrics.com)) at 585-214-2455 x 102 or cell 585-734-3394.