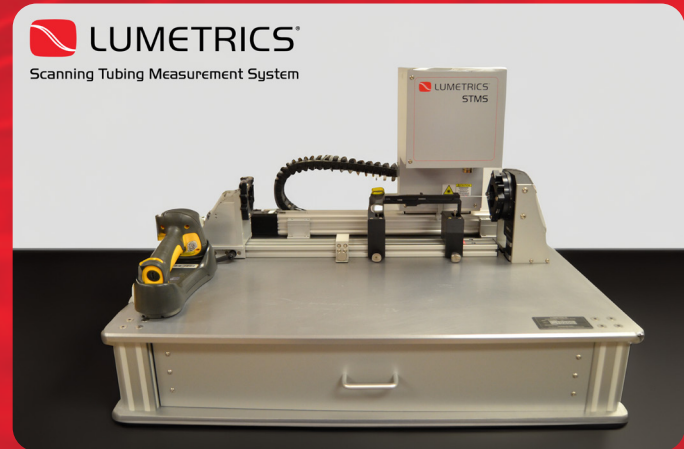


STMS

Scanning Tubing Measurement System



Description

The Lumetrics Scanning Tubing Measurement system (STMS) is designed with ease of use in mind. The recipe driven, semi-automated measurement process is flexible and user friendly.

The STMS includes a fully programmable menu structure to allow multiple measurement points with no manual intervention – just load and go.

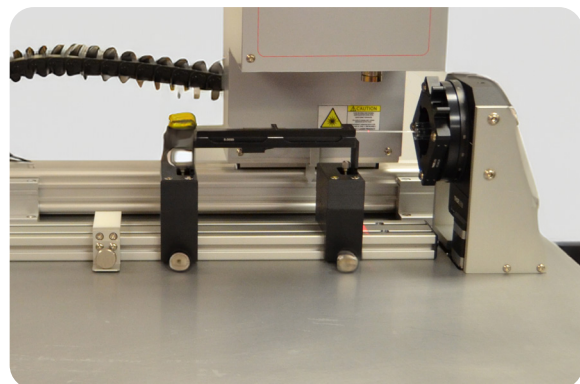
The STMS simultaneously measures tubing ID, OD and wall thickness. The integrated motion control system varies position and rotation of the sample using a user-friendly, recipe driven, semi-automated process.

The STMS is the non-contact measurement solution for medical device inspection, where precision measurements of balloons and tubing is a requirement.

Technical Overview

The STMS is designed to:

- Measure tubing up to 12" in length
- Easily load and unload parts.
- Easily create part specific recipes to measure and rotate in multiple location along the length of a tube with just a single click.
- Provide an inspection report summarizing data into compiled tables in accordance with the acceptance criteria for critical dimensions and including a Pass/Fail determination.





About Lumetrics

Lumetrics has been providing precision optical metrology solutions to leading edge companies throughout the world since 2003.

Lumetrics OptiGauge systems have been deployed in R&D and QA Labs as well as in production environments.

Customer purchase Lumetrics OptiGauge systems for a variety of reasons including:

- Improving current metrology processes
- Product Development
- Product Quality & Compliance
- Waste Reduction

Our customers are the reason for our success and steady growth.

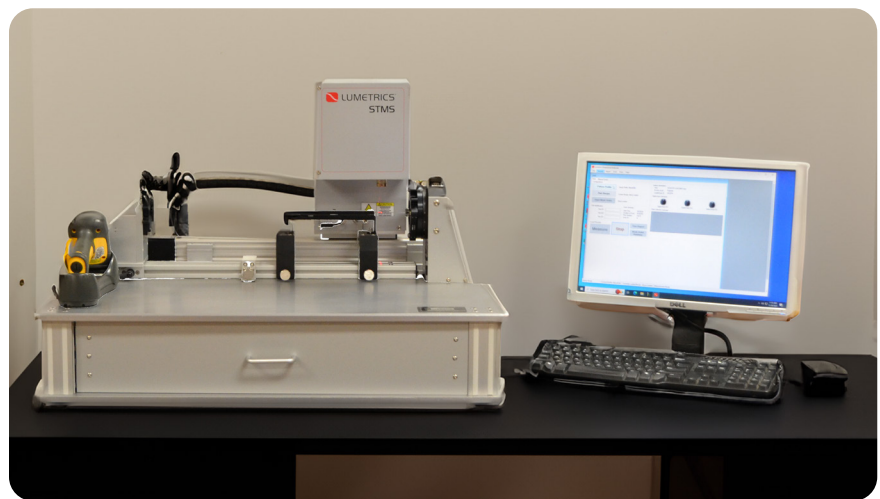
Advanced solutions such as the STMS will continue to propel Lumetrics into the future.

For questions please contact;
engineering@lumetrics.com
sales@lumetrics.com

STMS Specifications with OptiGauge II*

ID/OD/Wall Thickness Measurements	Low-coherence Interferometry
Measurement Wavelength	1310 nm
Software	Lumetrics OptiGauge Control Center version 8.1
Max Measurement Range	16µm-16mm
Units	µm, mm, mil, in
Accuracy and Repeatability	+/- .1µm
Measurement Rate	50 Hz
Power Requirements	AC110V-240V 50/60Hz, 20 Watts/ 30 VA
Dimensions	20.6"W x 23.1"H x 18.9"D
Weight	110 lbs
Operating Temp Range	(59° - 86° F) (15°-30° C)
Output Connectivity	RJ-45 Ethernet, RS-232, USB 2.0, aux digital I/O

*OptiGauge II is required but not pictured. For more information please contact sales@lumetrics.com



Please note the Lumetrics STMS does not inflate medical tubing or balloons. If you require inflation, please ask about our LumetriScan suite of products.