

Automated X/Y Tissue Scanning System

Measuring pericardial and other collagenous tissue has always been a challenge for those in the medical field. However, the Automated X/Y Tissue Scanning System is leading the way in mapping three-dimensional thicknesses. With the data derived from this non-contact, non-destructive scanning system, you can create a safer, properly functioning product, improve inspection time, dramatically reduce costs, and ultimately improve customer satisfaction.

When you can easily measure this tissue, the guesswork is taken out of determining where the thickest and thinnest areas of the tissue are. Thickness plays a critical role in functionality of products such as heart valves. The Tissue Scanning System can be integrated with a cutting system to configure the tissue into any shape for further application and processing.

The Food and Drug Association (FDA) and the International Organization for Standardization (ISO) hold strict compliance guidelines on all medical products to validate their safety for use in humans. This system will assure quality control and proper functioning in the products being produced.

The Tissue Scanning System is more accurate than the outmoded system of touch-gauge measuring, a manual, labor-intensive system that puts pressure on the naturally uneven, sterile tissue surface being measured, resulting in an inaccurate thickness measurement.

By contrast, with the rapid, non-contact measurement of the Tissue Scanning System, the irregular surface of the product can be mapped while still maintaining a sterile environment. The tissue can be measured in a saline solution to maintain hydration and consistency, or out of solution to measure the relationship between dehydration rate and thickness.

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 or Gary German (ggerman@Lumetrics.com) at 585-214-2455 x 121 or cell 585-233-3618 or Steve Heveron-Smith (sheveron-smith@Lumetrics.com) at 585-214-2455 x 102 or cell 585-734-3394

