



MSI's Solution to Automated Marker Band Post-Swage Inspection

Problem:

How to eliminate secondary QA/QC operations confirming swage position and final band diameter acceptability?

Solution:

Machine Solutions Inc. (MSI) has developed the technology to automatically inspect marker bands immediately after swaging. This in-line inspection system eliminates secondary operations involving further operator handling or off-line inspection systems.

Traditionally the swaging process required marker bands be pre-swaged or secured into position using glue or a pre-swage process to ensure final marker band position. The product is then swaged, leaving a secondary inspection by another machine or operator to confirm acceptable band positions and diameters. MSI's automated post-swage inspection system eliminates the need for secondary operations and machinery, saving customers processing time and additional capital equipment investment.

After swaging, the catheter and bands are automatically cycled under a color or B/W camera for inspection. The integrated QA system inspects each product for predetermined critical measures such as tip to band distance, band to band gap, band length, band OD, catheter OD on either side of band, etc. The swaging system then informs the operator of unacceptable product, preventing further downstream processing of bad product. Optional data archiving function stores relevant inspection data for quality records. Data can be stored internally, on flash memory, or to a network location via Ethernet connection.

Automated marker band post-swage inspection is an option for MSI models SW1100, SW1150 and SW1175. For more information or to have samples evaluated, please contact MSI.

Machine Solutions Inc. (MSI) is a leading manufacturer and pioneer in providing the medical device community with the premier solution for catheter processing applications. MSI has been instrumental in automating or semi-automating several manual processes within catheter and stent manufacturing organizations. Please visit www.machinesolutions.com for additional corporate and MSI product information.

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