

# Surface Defect Inspector for Catheters

### › Ensure your product is Defect Free

The Offline Surface Inspector for catheters (SI3100-MEDX) scans and records your catheter product in order to locate gels, voids, pinholes, scratches, and other critical surface defects. With Taymer's Surface Inspector, you can be sure the product going to your customers meets your high standards and is without flaws.

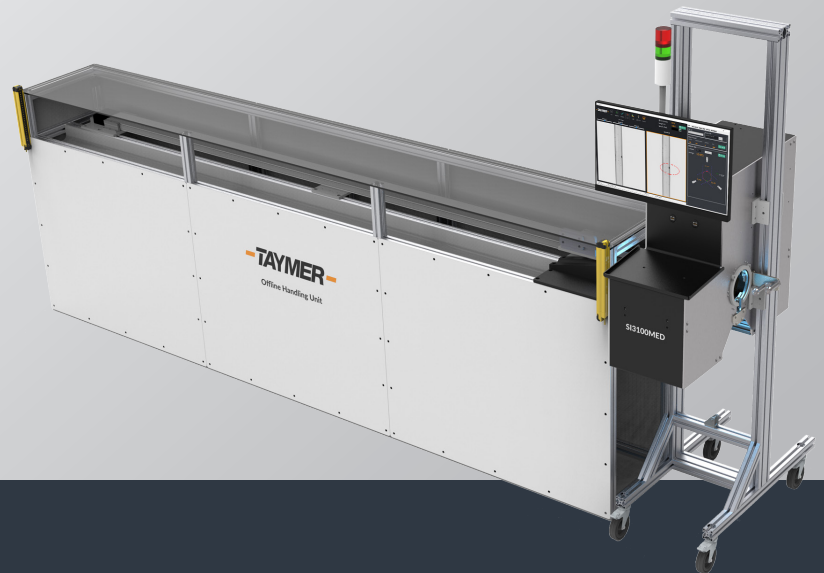
### › Reduced Defects

Our offline surface defect inspector provides operators with real-time information, offering a comprehensive view of current surface images and the latest surface defects, along with their corresponding dimensions. Our dedicated focus on providing advanced inspection solutions ensures that with our offline surface defect inspector, you can enhance your manufacturing process, improve product reliability, and strengthen customer satisfaction.

### › Quality Assurance

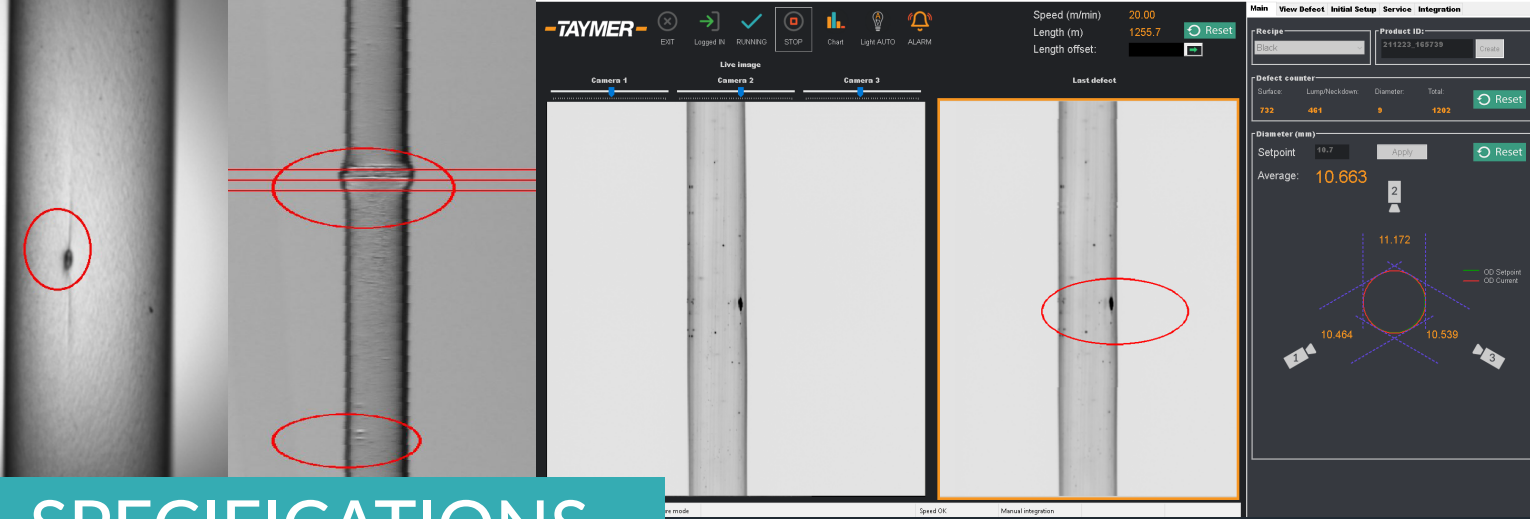
The SI3100-MEDX captures high-quality images of catheters. It enables you to conveniently save these images to disk and print them out, facilitating effective quality reporting both internally and to your customers.

The system records defect locations along with corresponding images, empowering your operators to swiftly identify and eliminate defects before they impact your customers or result in in-field failures.



## FEATURES

- › Detects gels, voids, pinholes, bulges, neckdowns, contaminants, blemishes, and scratches on catheters
- › 3 camera configuration to provide 360° coverage of product surface and 100% of product length
- › Includes customizable stainless steel enclosure and industrial stand
- › Alerts operator and production machinery if any defects are found
- › Records any defects for QA records and operator verification
- › Accurately measures and records catheter diameter along 1 or 3 axes
- › Saves location information for each defect to allow operators to easily find the defects after detection
- › Generates reports containing relevant product diameter, defect, and measurement information



# SPECIFICATIONS

## > Types of Defects Detected:

- Gels
- Voids
- Pin Holes
- Neck downs
- Bulges
- Scratches
- Contaminants
- Discolorations or other imperfections

## > Minimum Detectable Defect Size:

0.025 mm and up | 0.001" and up  
Depends on line speed and tubing diameter

## > Outer Diameter Range:

0.01 mm - 30 mm | 0.0004" - 1.18"  
Other diameters available upon requests

## > Image Processing:

All images from all cameras are read, enhanced and analyzed, resulting in 100% product coverage

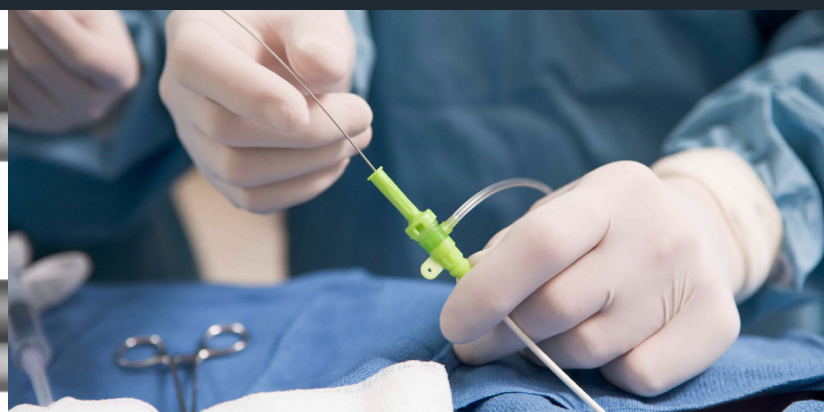
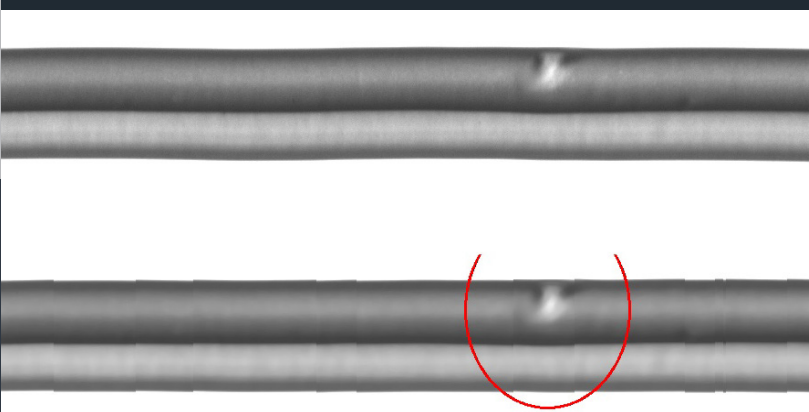
## > Lighting: LED

## > Power Supply: 110V or 220V, 50/60Hz

## > Pixels/mm<sup>2</sup>: ~1,500 for small diameter catheter

## > Camera Configuration:

3 camera - 100% coverage of tube circumference  
Custom configuration available on request



# -TAYMER-

+1 905 479 2614

info@taymer.com

+1 905 479 2636

www.taymer.com

Taymer International Inc. - 208 Telson Road Markham, ON L3R 1E6 - CANADA