

LUMP AND NECK-DOWN DETECTOR

› Images of Lump and Neck-Down Defects

The High-Speed Lump and Neck-Down Inspector is the only tool that can provide images of your lumps and neck-downs on: Bare Wire and Fiber. This is critical in assessing whether a measured diameter variation is in fact a defect and whether action must be taken. Your technical staff won't have to rewind miles of product to try to locate a defect. They can use Taymer's image viewing software to analyze and diagnose any detected defects.

› Multi-Axis Diameter Measurements

The High-Speed Lump and Neck-Down Inspector also provides you with very accurate, Multi-Axis diameter measurements. This diameter information can be integrated with other machinery in your line for complete automation of your line processes. The High-Speed Lump and Neck-Down Inspector's display also makes it easy for engineering and production supervisors to examine the outer surface of your product as it is being extruded.

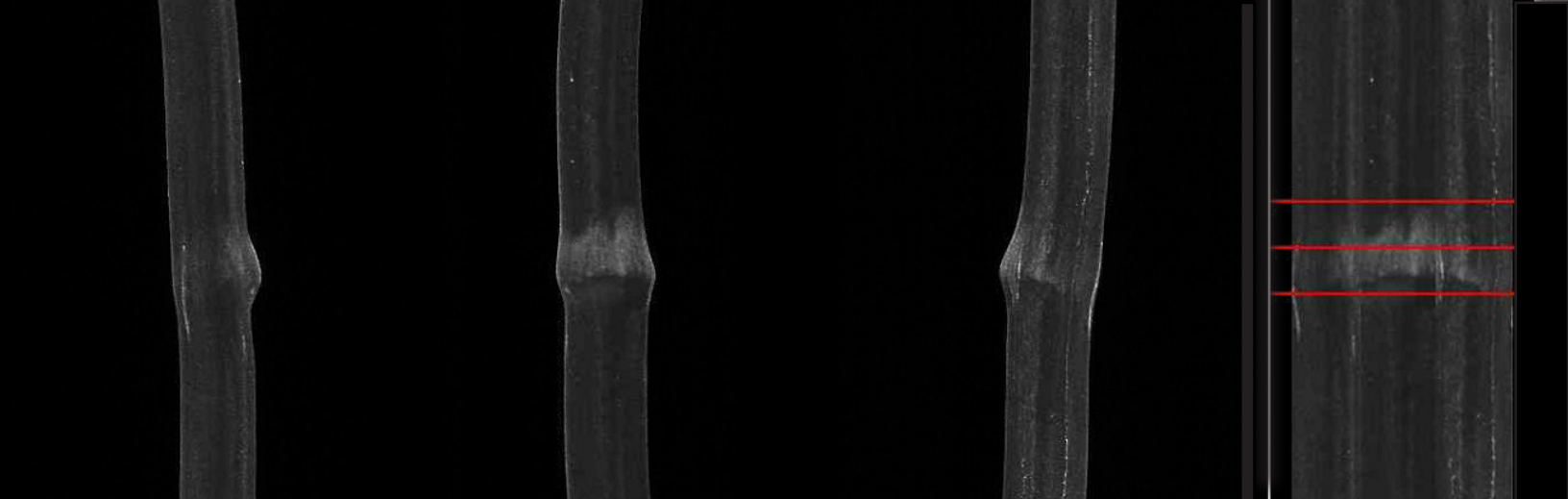
› Quality Assurance

Captured defects are saved and can be used for internal and external quality reporting. Images make it easy for the viewer to understand the defects detected. Dimensional and location information are included with all images, whether for lumps, neck-downs, and diameter defects.



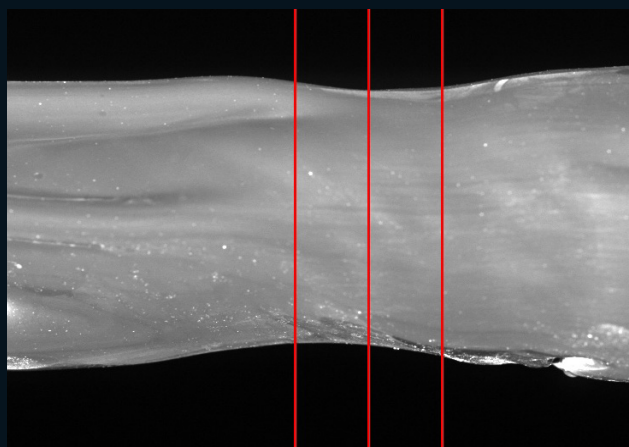
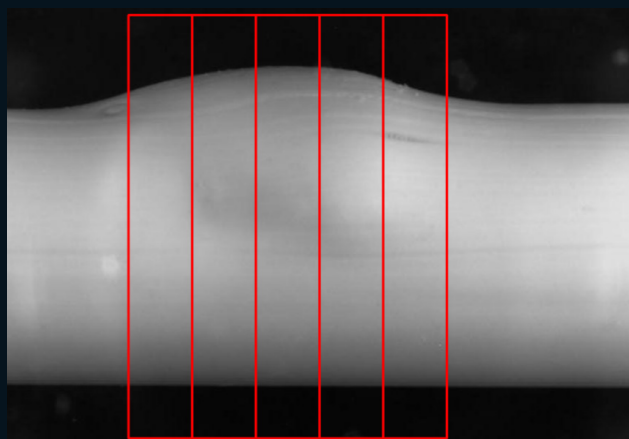
FEATURES

- › Detects bulges, neck-downs, and lumps on cable, tubes, and bare wires
- › Saves defect images and length information as they are detected
- › Outer diameters of 0.1 mm | 0.0039" can be detected
- › Alerts operator and production machinery if defects are found
- › Available in either 1 or 2 axis configurations
- › Supports line speeds up to 1000 m/min



SPECIFICATIONS

- Maximum line speed:
 - 3000 m/min | 9,800 ft/min
- Cable diameter range:
 - 0.01 mm and up | 0.0039" and up
- Pixels per mm²:
 - ~ 300 for 0.01 mm | 0.0004" diameter
- Types of defects detected:
 - Neck-downs
 - Bulges
 - Diameter variation
 - Lumps
- Image processing:
 - Images from cameras are read, enhanced and analyzed, resulting in 100% coverage at max line speed
- Lighting: LED
- Power supply: 110 V or 220 V



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