Surface Inspector
For Power Cables and Large OD Cables

Ensure your product is Defect Free
The Surface Inspector is the only tool that can capture, analyze and judge every square millimeter of your product. It is the most thorough method of detecting surface flaws available. The system also provides dimensional measurements simplifying the QA process and allowing the operator to see the bulge or neck-down simultaneously. Because it is camera based, defects that are on the surface will be detected; unlike a spark tester which require defects to be exposed to the core. With the Surface Inspector you can be sure the product you are sending to your customers is without any surface defects.

Image Feedback and QA Improvements
The Surface Inspector provides the operator with up-to-the-second digital image feedback of the current jacket on any production line. This continuous stream of real time information – especially the failure images - allows the operator to isolate causes of jacket imperfections and where the defect is along the cable. This will result in reducing jacket defects before they result in scrapping of product or worse, customer complaints or recalls. Defect images are also saved, so they can be included in quality reports for internal or external use.

Industrial Setup, even for Dirty Environments
The Surface Inspector is designed for a 24/7, dirty, industrial environment in mind. The height adjustable aluminum extrusion frame allows for quick and accurate line height adjustments. A sliding rail at the base allows for lateral adjustments as well as for operators to slide the system out of the way so bulky cable joints can pass through. Covers and shields that are easy to clean prevent dust particles from entering the system. Fans, lens filter, and optional air wipes are also used to keep the whole system clean and dust free.

Contact us today for more details
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<th>Specification Details</th>
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| **Maximum Line Speed** | 1200 ft per minute  
400 m per minute |
| **Cable Diameter Range** | 2.0” to 10.0”  
50 mm to 250 mm |
| **Minimum detectable defect size** | 0.040” diameter pin hole  
1.0mm |
| **Lighting** | LED or Halogen |
| **Camera Configuration** | 4 Camera - 100% coverage of very small defects |
| **Type of defects detected** | Jacket defects  
Pin Holes  
Neck downs  
Bulges  
Die Cuts |
| **Pixels per square mm** | ~100 for large diameter cable jacket |
| **Percent overlap between images** | 5% |
| **Image processing** | All images from all cameras are read, enhanced and analyzed, resulting in 100% product coverage at maximum line speed |
| **Camera and Light Housing** | Black Anodized Single Box with 4” Opening  
Clear Cover and Sliding Shield  
Air Ventilation with Removable Filters |
| **Industrial Stand** | Height Adjustable  
Aluminum Extrusion Construction  
Sliding Base Rail |
| **Options** | Air Wipes  
Encoder Measuring Wheel with Pivot Arm |
| **Computer & Interface** | Taymer Surface Inspection Software  
Windows Operating System  
Allows for Remote Access and Database Integration |
| **Dimensions** | 18” X 25” X 62” – L X W X H (with stand)  
457 mm X 635 mm X 1580mm – L X W X H |
| **Weight** | 250lbs  
115kg |
| **Power Supply** | 110VAC / 220 VAC |