For Integration on Automatic Wire Processing Machines

Non-Contact
- Dynamic optical sensor inspects for wire strip and/or seal defects
- High resolution image profile captured, analyzed and compared to learned reference

Strip Inspection
- Detects common strip defects – high/low insulation shoulder, pulled or splayed strands, and conductor mass

Seal Insert Inspection
- Detects common seal insertion defects – missing/reversed/pierced seal, and seal position
  - Seal Position Error
  - Pierced Seal Error

WireScan 3 Software
- Operator interface software for production, configuration and setup, and data logging

Traceability
- Data logging feature for 100% data traceability

Machine Integration
- Designed for integration onto existing and new wire processing equipment

Applications
- Automated wire processing applications requiring 100% assurance of wire strip and seal insertion quality

Multi Wire Capability
- Configurable to up to 3 wire independant inspections

Patents
- US 6,496,271 B1
- US 6,885,463 B2
- US 7,719,695 B2
WireScan Series Laser Profile Analyzer is a compact optical sensor for strip and seal inspection. The unit projects a 28mm sensing window. As the wire passes through the sensing window, an image of the wire is captured with a resolution of 0.028mm.

Using OES’s proven algorithms, the image profile of each wire sample is compared with the “learned” standard profile image and a determination is made if the part is a “success” or “fail”.

About OES Technologies

OES Technologies products and technologies are developed specifically for the wire processing industry to monitor and inspect 100% of parts produced during the manufacturing process, and prevent part defects from entering the supply chain. OES’s dedication to innovation enables them to deliver a steady stream of cutting-edge technologies that meet the exacting demands of this ever-changing market.