

SURFACE DEFECT DETECTION



› Ensure Your Product is Defect Free

The Dual-Camera-View Surface Inspector (SI2100) is designed to simultaneously inspect both sides of flat products. It is the most thorough method of detecting surface flaws available in the industry. It works extremely well on bars, tape, and trim. With Taymer's dual view Surface Inspector, you can be certain your products is without surface defects and exceed the high quality standards in place for end-user satisfaction.

› Reduced Defects

The Surface Inspector provides the operator with instantaneous digital image feedback of your flat product quality on any production line. This continuous stream of real time information – especially the failure images – allows the operator to isolate causes of defects. This result allows you to identify the causes of surface defects and prevents customer complaints or rejects.

› Quality Assurance

Implementing the Surface Inspector provides several benefits, you can capture images of your product, save the images to disk, and print them to include in your quality reporting both internally and to your customers. The Surface Inspector's display also makes it easy for engineering and production supervisors to examine the defect. Defect locations can be recorded, this will allow for further analysis of the defects later on.

FEATURES

- › Detects pinholes, scratches, surface blemishes, discoloration, and tears
- › Software analyzes 100% of product length
- › Alerts operators and production machines of any found defects
- › Records any defects for QA records and operator verification
- › Saves length of detected defect to allow operators to locate it after detection
- › Supports line speeds up to 400 m/min



SPECIFICATIONS

- Maximum line speed:
 - 400 m/min | 1312 ft/min
- Cable diameter range:
 - 0.05 mm and up | 0.002" and up
- Minimum detectable defect size:
 - 0.1 mm and up | 0.04" and up
- Location:
 - Before the printer
- Pixels per mm:
 - ~100 for large diameter tapes
 - ~500 for small diameter tapes
 - Up to 100,000 for metal pipes and bars
- 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



TAYMER

☎ +1 905 479 2614

✉ info@taymer.com

Send samples to:

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