

Uncover the Possibilities: Boost your quality and customer's confidence with the industry's leading surface inspection solution

Exceed your customer's surface quality requirements within weeks of start-up and achieve a ROI in less than 12 months

- What if you had an affordable surface inspection solution that provided your operators with instantaneous feedback about surface defects?
- What if that same solution also helped you increase slitter line speed and improve operational efficiency?

If these are the types of questions you're looking to solve on your Slitter line, let AMETEK Surface Vision help you exceed your customer's expectations with a surface inspection solution that will give you the edge you need in this competitive marketplace.

Our VisionGear™ Slit Inspection (VGSI) solution reliably detects, classifies, tracks and reports surface defects on both the top and bottom sides of the strip at line speeds greater than 1,000 FPM. This enables operators to take immediate action to limit waste, increase yield and improve product quality, while immediately being able to increase your production capacity and improve product margins.

With proven high-throughput surface defect detection and classification for the flat rolled metals processing industry, the VisionGear Slit Inspection (VGSI) solution merges the functionality of defect detection and classification on multiple coil slits with width monitoring and tracking of each slit. Improve the consistency of your quality measurements by inspecting consistently 24 hours per day, while simplifying the process of monitoring the slitter operation.

Meeting your customer's specifications for length, width, thickness, shape and flatness alone is no longer a guarantee for a Metal Service Center's long-term success. Why wait for your customers to report surface irregularities after the fact? Get instantaneous feedback before it's too late through our online automatic inspection system, ensuring total product quality from head to tail.



Experience and Support You Can Trust

The VisionGear Slit Inspection (VGSI) solution is based on over 20 years of experience, with more installations on more lines than any other surface inspection company. AMETEK Surface Vision has more metal customers worldwide than anyone else in the industry. More companies guarantee their quality with AMETEK Surface Vision inspection systems more than any other surface inspection solution in the world.

Our Value and Commitment

- 100% inspection at full line speeds with reduced waste and increased yields
- 100% operator control with improved safety by eliminating the need for up close manual surface inspection
- Create coil or mult quality reports that can be shared and archived for complaint/claim processing
- Eliminate the need for recoiling due to suspected quality issues
- Reduce material downgrades by providing operators consistent and accurate surface inspection results
- Achieve measurable surface quality improvement in 1 week or less

Contact one of our AMETEK Surface Vision sales representatives at +1 (877) 264-6390, and discover how you can improve your quality, reliability, and slitter speeds – all with very fast commissioning, line integration, and system ramp up.

VisionGear Slit Inspection (VGSI)

Software Features and Benefits

- **Ease of Setup** – Operator selects pre-configured recipe by metal grade, for each production run.
- **Gauging** – Accurate slit width measurement to within a millimeter.
- **Detection** – Defects in each slit are reliably detected at speeds exceeding 1,000 FPM, enabling the line operator to run the slitter at higher speeds and increase slitter throughput.
- **Classification** – Reliably classify detected defects with a combination of rule-based and automated methods.

Unique Grading Per Mult Features

- **Coil and Mult Mapping** – Inspection performed per coil/mult to ensure accurate mapping of defects to the correct strand.
- **Coil and Mult Grading** – Grading performed per coil or per mult. Defect data available for grading per mult.
- **Extensive Coil and Mult Reporting** – Quality reports are available per coil/mult, with defect and gauging measurements available per mult. This feature allows operators to create coil or mult quality reports that can be shared and archived for complaint/claim resolution, as needed.



Highly intuitive Graphical User Interface (GUI) with Real-time Grading Per Mult

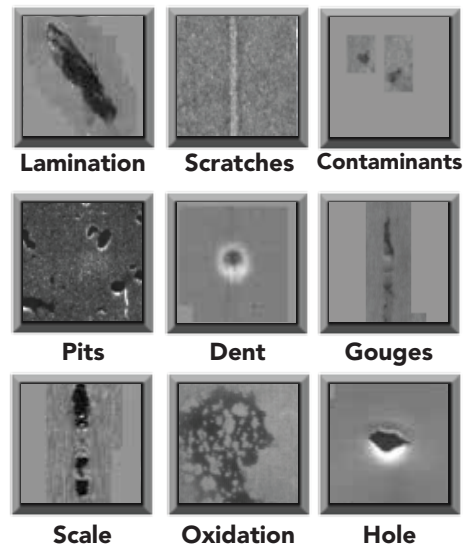
Avoid Costly Material Rework

With the VisionGear Slit Inspection (VGSI) solution, you can get instantaneous feedback before it's too late through our online automatic inspection system. Reliably detect and classify surface defects on both the top and bottom sides of the strip, and ensure total product quality from the beginning of the line to the end.

Achieve Faster Line Speeds

Using patented inspection and classification technology, combined with extensive defect libraries, state-of-the-art lighting and camera configurations, our highly modular solution uses standard system components to provide reliable top and bottom laboratory type inspection without having to slow down your line. Increase production capacity while decreasing your cost of inspection with the VisionGear™ Slit Inspection (VGSI) solution. Not only will you get more accurate results, but you'll reduce your amount of waste and increase your yields – all at line speeds greater than 1,000 FPM!

Critical Defects



The VGSI solution is also supported by an easy-to-use Smartphone application that allows users to make decisions and send information to others in the plant with the push of a button