



## AI-powered Visual Manufacturing Inspection

FotoNow has developed proprietary image enhancement and cloud-based computer vision technology to identify a wide range of typical manufacturing quality issues, including missing parts, misalignment, scratches, dents and color irregularities.

### Key Capabilities

- **Flexible**
  - Maintains high accuracy with moving objects and high frequency vibrations.
  - Works seamlessly in changing light conditions
  - Operates well in confined spaces and adapts to changing manufacturing processes quickly
  - Detect multiple defect types, including scratches, missing parts, misplaced parts, dents, color issues, or dust
  - Fast learning of new defects in less than 1 day
- **Smooth integration**
  - Camera agnostic and works with the cameras you already have or any smartphone device
  - Securely stores all inspection images in cloud service of your choice (e.g., AWS, Azure, Google Cloud)
  - Integrates easily with existing manufacturing and enterprise systems, such as IPSQ, IPSL, and other industrial standard protocols

- Equipped with a business intelligence dashboard to optimize plant performance and notifies relevant team members of defects in real time by email, SMS or 80+ built-in industrial connectors
- **Handles and classifies multiple data types**
  - Digitize text or label information in the image with the FotoNow's OCR engine and adds the information as meta information
  - Detect multiple defect types, including scratches, missing parts, misplaced parts, dents, color issues, or dust

### Current Weaknesses of Existing Solutions

- Complex installation of hardware-based solutions
  - Requires IT professional
  - Use 10-year old computer vision technology
- It can take several months of installation
  - For the hardware setup
  - For the software setup and training the defect algorithm
  - Difficult connection to enterprise resource management system
- Hardware-based solutions do not work in the real-world environment
  - Are not feasible in tight spaces
  - Need perfect and consistent light
  - Cannot capture sharp images of objects in motion
  - Do not work on vibrating conditions
  - Poor Accuracy
- Cameras cannot be used
  - No sensitive information (GDPR-compliance)
  - Manual inspection

### Customer Business Values

- **Increase Manufacturing Agility & Quality**
  - Setup time in days instead of months
  - Reduced number of recalls
- **Improving Factory Throughput**
  - Reduced number of production stoppages
  - Reduced the learning curve of workers
  - Direct feedback during the ramp up phase of new product introduction
  - Enables best practices sharing across plants
- **Reduce Capital Spending & Manufacturing Cost**
  - Reduced rework; in once case this saved €500,000 per year
  - In one case saved more than €1,000,000 as compared with previous solution
  - Reduced number of manual inspections

FotoNow enables fully automated, end-to-end error tracking and identification to optimize manufacturing agility and quality, factory throughput and capital spending.

### Today's Key Clients

- **Automotive manufacturing**
- **High-value manufacturing – with frequently changing processes**

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