

AUTOMOTIVE MANUFACTURERS

Industry Survey Results:

PRIMARY JUSTIFICATION FOR USING MACHINE VISION





Feedback from KEYENCE

"What is your goal for installing machine vision systems?"

Prevent defective products

Decrease customer complaints and prevent product recalls

Prevent defective products

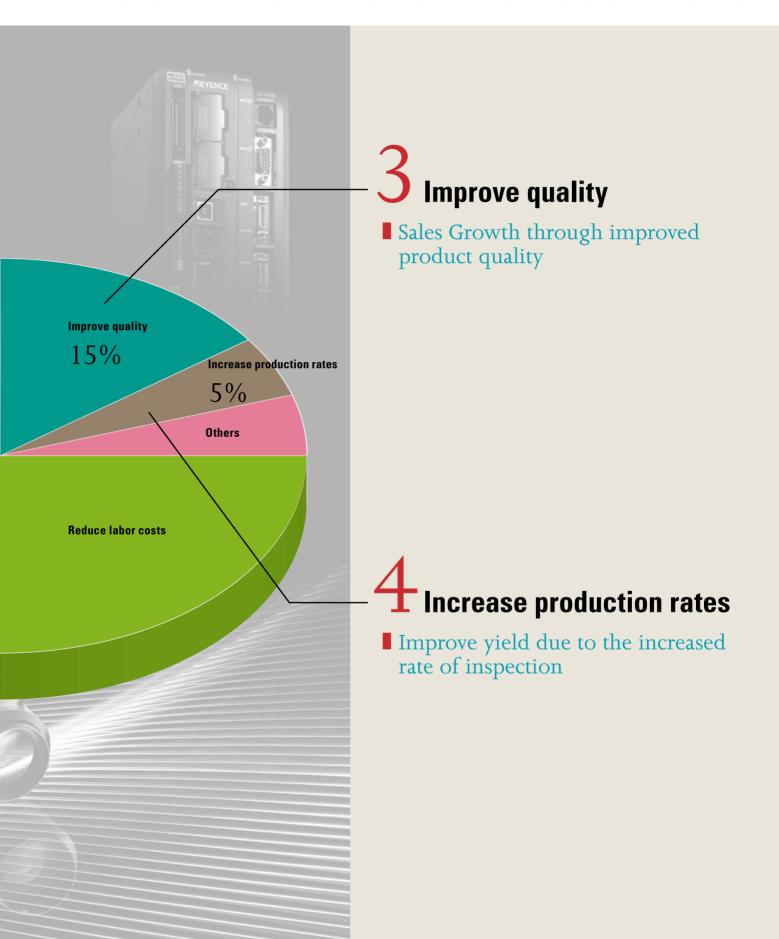
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2 Reduce labor costs

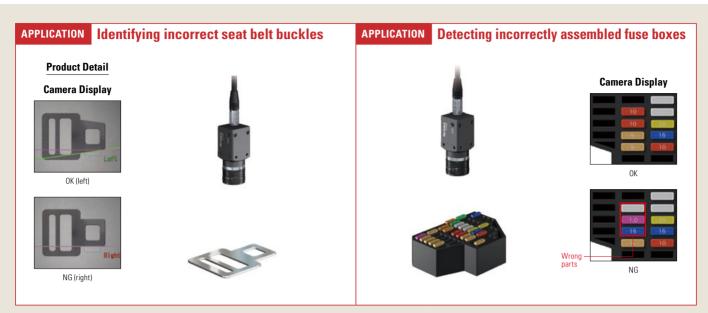
■ Significant reduction of labor costs due to process automation and the decreased need for manual inspection

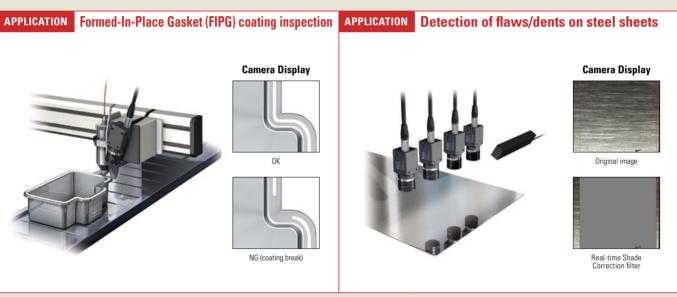


Machine Vision Customers



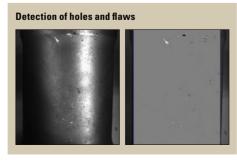
Eliminate shipment of defective products and increase customer satisfaction





KEY FEATURE Real-time shade correction

Real-time shade correction isolates defects, even when the background has shadow-like gradations. This filter enables inspections not possible before by cancelling shadows that even lighting techniques could not remove.



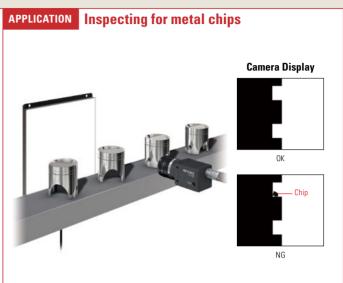


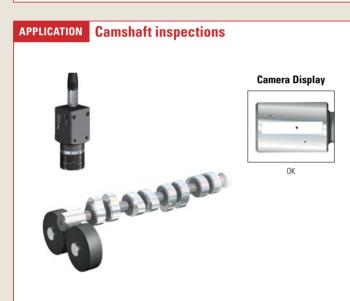
Isolates holes, flaws (left) or dents (right) according to inspection requirements. KEYENCE's latest algorithms meet strict quality requirements and allow for flexibility in programming.



Reduce labor costs by inspecting with machine vision









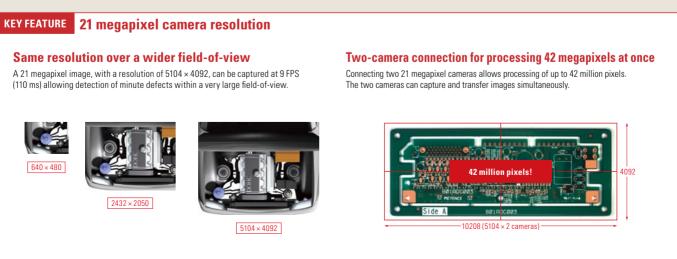
KEY FEATURE Powerful troubleshooting tools **Statistical processing** The Statistical processing function stores up to 20000 points VERTICAL CURSOR of measurement data in the internal memory of the unit. Displays the measured values and the total The maximum, minimum, average, standard deviation, count for the selected cursor position. NG count, and yield rate, can all be easily verified without having to connect to an external PC. Trend graphs and histograms can be displayed and on-the-fly changes to limits can be set directly on the graph based on the result data from up to 1024 previously captured images. IMAGE SAVE MARK marked data has its image data saved. It is possible to check images by clicking.



Strengthen the company brand through improved quality

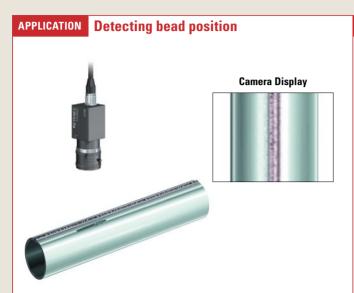


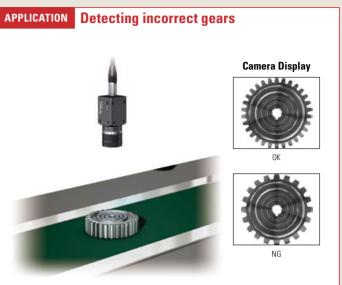


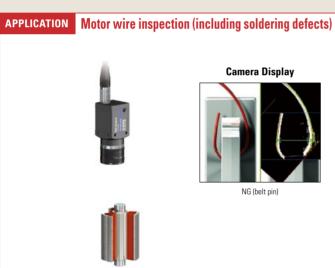




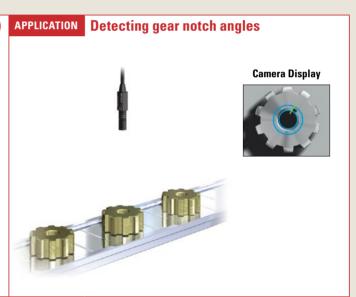
Improve yield by eliminating false detections and reducing the scrap rate

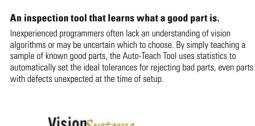






AUTO-TEACH INSPECTION TOOL COLOR





KEY FEATURE





Scan for More Information



http://www.keyence.com/machinevision





www.keyence.com



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