



MACHINE VISION SOLUTIONS

PrH

PRODUCT
HANDLING

INSPECTION | MEASUREMENT | VERIFICATION | SORTING
COUNTING | LOCATING | BARCODE READING

IMPROVE YOUR QUALITY AND PRODUCTION

VISION SOLUTIONS MADE POSSIBLE

Improving product quality and productivity doesn't have to be difficult. With Shuttleworth's custom product handling systems equipped with machine vision capabilities, manufacturers can benefit from increased product quality and throughput while decreasing productivity costs - achieving operational efficiency.

Shuttleworth's comprehensive vision solutions are designed for a wide range of applications and industries including automotive, electronics, food, healthcare, paper and more. Through our extensive machine vision proficiency, we can help streamline your assembly and packaging processes to maximize your line efficiencies and ensure your products exceed customer expectations.

MACHINE VISION APPLICATIONS

Shuttleworth's robust machine vision applications are developed to identify, inspect, measure, verify and more to help automate processes and provide quality improvements.

BARCODE / OCR READING

Vision sensors scan and identify barcodes on products, cartons and more for accuracy to ensure label quality, verify kit components, inventory tracking and more.

INSPECTION

Machine vision systems for inspection can detect defects, contaminants, flaws or other irregularities in your manufactured products.

KIT VERIFICATION

Kit verification includes verifying pattern and presence tools to check that each known component and its position are located accurately within the tray or carton.

MEASUREMENT

A machine vision system for measurement calculates the distances between two or more points or geometrical locations on a product and determines if these measurements meet product specifications. If not, the vision system sends a fail signal to the machine controller, triggering a reject mechanism that ejects the product from the line.

PRODUCT COUNTING

Automated vision systems can ensure accuracy in product counts through optical measurements of the quantity of product in transit.

LOCATING

An integrated vision system can help identify parts, product features and positioning by locating a unique pattern within the line. This is extremely important for robotic pick and place applications with the vision sensors sending data, coordinates and more to the robot for accurate operations.

SORTING

Sort multiple line products by type, pattern or color for accurate diverting of product into wrappers, cartons and more.



INSPECTION



KIT VERIFICATION



MEASUREMENT



PRODUCT COUNTING



From automotive and electronics, to paper conversion and pharmaceuticals, to food and consumer good markets and beyond, manufacturers across the globe rely on Shuttleworth's proven product handling solutions to increase line efficiency, maximize profitability, and minimize risk. As part of the ProMach Product Handling business line, Shuttleworth helps our packaging customers protect and grow the reputation and trust of their consumers. ProMach is performance, and the proof is in every package.

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