

Radix Controls has built their business through a commitment to quality, customer service & building relationships for a complete understanding of a plant's operations. They design & build advanced solutions for manufacturing and stand behind them with responsive & effective customer support. Regardless of the size, scope or industry sector of your project, you can count on Radix Controls to put a cross-functional team at your service to design, build, program and install a solution that will immediately begin providing a rapid return on investment.

Radix Controls – custom automation based upon proven, advanced technologies for North American manufacturers.



Process Solutions based upon industrial control systems, like PLCs, HMIs, Safety controls, Motor controls, RFID, Fastening, Marking, Pneumatics & Hydraulics



Vision Integrated machine vision solutions for quality, traceability, gauging, 3D surface scanning, robot guidance and 3D tracking



Device Material handling, welding & application with robotics; vision based robot guidance & programming support

SMART SOLUTION: MOBILITY WIRELESS VISION

Industry & facility description

An automotive assembly plant with 24 hour just in time operation, building vehicles for North America needed a wireless vision system to verify hard to reach components on a vehicle

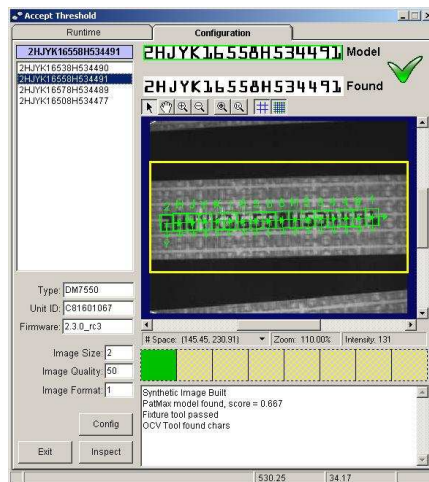
Customer requirements

Wireless, handheld vision system with ability to OCV (optical character verify) multiple anti-theft stickers located in difficult to access locations on the vehicle
Wireless, handheld vision inspection to verify the correct colour of bolt is used in the Fuse Block for the vehicle

A Smart Solution from Radix Controls

A software module was developed based upon the Cognex Dataman hardware platform and integrated into a vision product from Radix Controls – Mobility.
Mobility includes a wireless Cognex Dataman 7550 LR handheld imaging devices (or equivalent). The operator easily & quickly scans the label or part on the fly. Once the data is received, the PC or plant network data server stores the data, verifying against build data, and the application releases the scanner to again trigger an inspection
Results are communicated in a packet containing system status, providing automated traceability

RESULTS COMPLETE TRACEABILITY AND QUALITY VERIFICATION WITH 100% PRODUCT QUALITY INSPECTION, ENSURING SAFETY & CUSTOMER SATISFACTION



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