

Emerson Helps Achieve Palletizer System's Weight Reduction Program

RESULTS

- Achieved weight reduction goal for significant cost savings
- Reduced equipment maintenance and down time with graphic display and onboard diagnostics
- Produced less kinetic energy for reduced wear and tear on machinery



APPLICATION

Automated palletizer system

CUSTOMER

Packaging equipment manufacturer

CHALLENGE

A leading manufacturer specializing in case packing and material handling solutions for the food and beverage industry updated the technology in its robotic palletizers. These automated systems packed cans and bottles in large shipping pallets. Weight played an important role in component selection, since its reduction would allow the downsizing of the robot platform for significant cost savings. The company desired machine control components that would support the weight reduction goal.

SOLUTION

Based on its positive experience with Emerson's products and service, the company chose the ASCO G3 fieldbus electronic valve manifold for the palletizer's robotic arm assembly. The G3 platform enabled the manufacturer to significantly reduce weight and cost by eliminating the need for junction boxes on the end of arm tooling. It optimized the palletizer system's operation to reduce wear and tear on equipment components. The G3 manifold's simplified wiring, graphic display, and onboard diagnostics allowed the end user to quickly configure the product and troubleshoot issues, dramatically reducing downtime. In addition, its ability to easily change components cut maintenance costs and decreased costs.

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