

Project Brief...

SUV Conveyor Additions

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The Saturn Automotive plant in Spring Hill, TN was in the process of adding SUV production to an existing 2- and 4-door sedan assembly plant, creating a need for additional conveyor lines within existing selectivity lanes.

Existing control logic was modified to assure proper routing from any selectivity lane to the correct assembly area and control software was added for the two additional conveyor lines.

Also as a part of this solution QSPEC designed and installed a new control console.



The new sections of conveyor required adding track switches, stops, count zones, Smart-Eye readers and verifications stations. The engineering tasks included programming, drawings, modifying electrical panels, diagnostics, and creating safety lockout procedures and training manuals.

The success of this project was due to the ability of QSPEC Solutions to understand the critical requirements for optimizing the flow of space frames from within the selectivity lanes to the respective model assembly areas.

Solution Overview

Requirements

Add conveyor capacity to existing selectivity lanes for new model production

Solution

Enhanced and added to control logic for entire set of selectivity lanes

Designed and installed new control console

Provided start-up and commissioning services

Results

Increased efficiency of selectivity lanes

Ensured proper routing of space frames to respective assembly areas

Eliminated need for manual labor to move space frames to proper assembly lines

QSPEC Solutions

Automation Consulting and Technical Services