



How Standard Sales Integrated AI-Powered Quality Control into Its Existing Workflow

Challenge

Standard Sales, a distribution company specializing in premium beer and beverages across Texas, Mississippi, and Kentucky, manually audited approximately 350 pallets each day using dedicated warehouse labor. Despite this effort, the distributor continued to experience concerns around pallet accuracy, hotshots, delivery times, and Inventory Variances.

Standard Sales needed a faster, more reliable way to audit pallets and identify errors before loads left the warehouse. Greater visibility into pallet accuracy would also help support dispute resolution and the company's longer-term goal of transitioning retailers toward scan-less delivery.

Solution

Rehrig Pacific integrated Vision® Object Recognition (VOR) technology into Standard Sales' fully automated, high-speed conveyor wrapper, creating an automated pallet-auditing process within the existing warehouse workflow.

Because the site's equipment differed from previous installations, the team adapted the solution to fit Standard Sales' operation. This included configuring the barcode scanner to read license plate labels positioned on the long side of each pallet and expanding compatibility from a Cardinal indicator to include Rice Lake equipment.

Rehrig Pacific also worked with Standard Sales and its scale vendor to address the interaction between the weight scale, conveyor wrapper, and programmable logic controller. Standard Sales also evolved its drag-chain configuration to accommodate both supplier beverage pallets and Duo pallets. Together, these adjustments created a more flexible solution for identifying pallet errors before loads left the warehouse and supporting secondary human quality control when needed.

Results

In a 5-month span:



97.2% of pallets were audited through VOR



3,066 pallets were routed to secondary human quality control



4,255 total case errors were corrected before leaving the warehouse



An average of 36 case errors per day were identified and corrected before delivery



Significantly reduced hotshots by virtually eliminating missing items

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