

Proven Performance in Every Packaging Changeover

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SEPTIMATECH GROUP INC.

Unison Automation

Customer Challenge

Customer with non-adjustable guide rail system wanted to fully automate guide rail changeover to reduce downtime, eliminate set up variables created by different operators, and improve safety. Customer also wanted to improve throughput and eliminate container scuffing, shingling, and tipping which slowed production and caused product damage.

About the Customer

The customer is a large multi-national consumer goods manufacturer, which uses a wide variety of container shapes and sizes on the same line. The packaging line is complex with multiple crossovers, bends, and straight sections. It operates at high speeds around the clock. The wide variety of containers requires precise control to eliminate shingling, tipping and product damage. Production space is tight creating safety challenges and the need to eliminate unnecessary movement around the line.

Solution

Septimatech installed a fully automated Unison adjustable, beaded guide rail system across the entire line, including all mechanical and electronic components, motors, and control system. A single, touch screen HMI was installed and programmed for the customer. Training and follow up support was also provided.

Customer Results

- Guide rail changeover time was reduced from 5 hours to 2 minutes. Mechanically assisted Unison guide rail system on a comparable line would take 18 minutes to changeover.
- All adjustments initiated by selection of container size and shape on a single, touchscreen HMI.
- Adjustments occurred immediately and simultaneously.
- Adjustments are now repeatable, precise, and accurate to +/- 1mm or 2mm.
- Operator variables were eliminated.
- Precise adjustments and beaded guide rail reduced friction, scuffing, tipping, and container damage.
- Overall production increased.
- Overall costs were reduced.



Reliable Performance in Every Change

Septimatech delivers productivity improvements for packaging lines and machines worldwide by:

- making changeovers more efficient
- simplifying operations
- improving ergonomics
- increasing precision, accuracy and repeatability
- enhancing line and machine flexibility.

Septimatech removes obstacles to optimum performance and replaces them with faster, intuitive solutions and processes. We save our Customers time and money every day with:

- faster changeovers
- repeatable performance
- higher throughput
- reduced labor
- increased uptime
- improved product handling.