

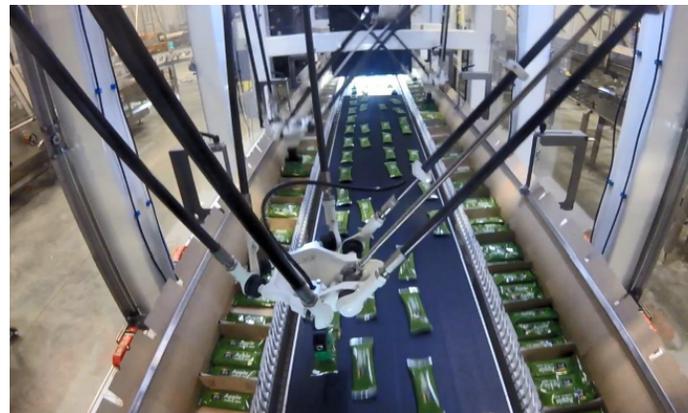
Automated Pick and Load Case Study

National Food Manufacturer

Challenge

- Previous Solution
 - Hard automation case packers used at the end of each line to pack cartons. Cartons packed using side load method.
 - Constraints included investment for hardware and labor required at the end of each pouch.
 - Rates were unachievable.
- Design Goals
 - Design and build a flexible automation solution to pick and load breakfast bars into cartons at a high rate.
 - Four high speed Flow Wrapper machines to feed a top load carton loading cell. Design to allow for Wrapper machines to run at variable speeds and up time.

Response



Result

- Rate: > 600 Bars per minute line rate.
- Fanuc Integrated IR vision and error proofing allow for product validation.
- PLC controls allow for operator selection for up to 10 carton sizes and up to 15 unique packing patterns with complete tool less change over.
- Increased up time and performance.
- 15% labor reduction.