



PACKAGING EQUIPMENT DESIGN INCREASES PROCESS THROUGHPUT AND REDUCES PRODUCTION TIME

SITUATION:

A leading confectionary manufacturer, had seasonal piece candies that were being packaged in small, 2 oz. cartons.

- The production cycle for this seasonal product was currently three-and-a-half months due to packaging limitations.
- Our client's goal was to increase carton handling and collation ability from 250 per minute to 400+ per minute to drive down production time to two months.
- Additionally, the client wanted to reduce overall packaging costs with the new solution.

STERLING SOLUTION:

Improved random input, constant output collation device design, and designed a servo driven carton overhead gap-phasing device.

- This was a new device that was critical to maintaining a smooth operation and maximizing the throughput of the random input, constant output collation machine.

RESULTS:

Sterling's solution helped drive down production time and enabled the Manufacturing Manager to meet his objectives:

- The reduction in production time resulted in a 60% decrease in packaging costs and a 15% increase in cash flow.
- Cutting the packaging time to 2 months.

PROJECT SNAPSHOT

❖ *Production time needed to be decreased by increasing machine handling and collation ability.*

❖ *Improved random input and constant output collation device design.*

❖ *Decrease in packaging time and costs resulting in increased cash flow.*

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