



Shuttleworth and SIG Doboy team up to run 120 ppm

For years, the food industry has struggled with wrapping frozen products at high speeds. Not any more. Shuttleworth has developed a high-speed wrapper infeed called Servo SmartFeed™. This system enables food customers to better handle their frozen products in the wrapping and cartoning processes by feeding the products into the flow wrappers and



Shuttleworth's automated Servo SmartFeed system.

cartoning machines faster and more accurately. Shuttleworth has integrated

this technology into SIG Doboy's top-of-the-line wrapper, improving the overall process performance and enabling the customer to generate more product throughput. In fact, production numbers jumped from 20 to 120 products per minute. The Shuttleworth SmartFeed system enabled the customer to minimize film waste, improve the sanitation conditions of the machinery and cut labor costs. Shuttleworth is committed to partnering with packaging machinery manufacturers to provide innovative solutions to the packaging industry. The Servo SmartFeed is the direct result of that commitment and demonstrates Shuttleworth's three key strengths: 1) engineering expertise, 2) listening to the industry's needs, and 3) the ability to integrate with today's industry leaders, like SIG Doboy.

Application



Frozen Food Products

HOW WE'VE OPTIMIZED THE PROCESS

- > **Optimizes Productivity through Consistent Operation**
The Servo SmartFeed keeps the wrapper running at a consistent speed, allowing you to increase output and ship more products.
- > **Inhibits the Growth of Bacteria**
The world's first Easy Clean™ conveyor system is designed to inhibit the growth of bacteria, mold and other unwanted organisms, simplifying the cleaning and sanitation processes.
- > **Reduces Labor Costs**
The Servo SmartFeed lowers the labor associated with the wrapper infeed by automating the feedback of product flow information to the wrapper, adjusting its speed accordingly.
- > **Total Flexibility**
Shuttleworth's flexible conveyor design enables you to convey and wrap multiple product sizes, minimizing your changeover time.



Amy's Kitchen Packaging Supervisor Jose Burgos and Assistant Packaging Supervisor Aralia Roman enjoy the improved performance of Shuttleworth's Servo SmartFeed.

The Shuttleworth SIG Doboy solution replaced our original system that had difficulty controlling the line pressure causing products to shingle. The installation and startup went smoothly due to the integration and run-off on Shuttleworth's floor prior to our installation and has been hands off ever since. At startup, we experienced increased throughput, less product damage and dramatically reduced labor.

Bert Pires,
Engineering Manager, Amy's Kitchen

Product Specifications

Servo SmartFeed™ Belt Wrapper Infeed

- Patented Slip-Torque® conveying technology reduces product damage by controlling line pressure with continuous motion accumulation on a low back-pressure conveying surface.
- Available for lug or belt-fed wrappers.
- Reduces overall system length.
- Conveying multiple product sizes is easy with a few program changes to the operator interface minimizing changeover time.



Servo SmartFeed seamless integration with SIG Dobby wrapper.



Shuttleworth's touch screen interface provides the ultimate in flexibility.



Shuttleworth Controls Package

Shuttleworth's Controls Package gives you the option to use any servo motor brand. We've made our system universally compatible for the ultimate in flexibility, saving you both time and money.

1. Color operator interface with file storage capability.
2. Software selectable belt or lug infeed option.
3. Galil state-of-the-art multi-axis motion control system. (#1 supplier of motion controllers.)
4. Programmable servo setup to accommodate product variability with offset feature to improve the accuracy of product placement.
5. Interface options to the controller include USB, RS232 and Ethernet.

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