

CERAEL BARS, CHOCOLATE BISCUITS, BISCUITS: THREE PRODUCTS, THREE SOLUTIONS

Cavanna Packaging USA Inc. - a subsidiary of Cavanna Packaging Group S.p.A. - has celebrated the grand opening of its North American headquarters operations near Atlanta. The opening of Cavanna Packaging USA and its 1.950 square foot building - leased at 2150 Northmont Parkway, Suite A in Duluth - represents the company's efforts to expand its customer base and market share in North America. Cavanna Packaging Group, with global headquarters in Prato Sesia (in the North of Italy), is leader in the flowpack wrapping systems field. The family-owned business started in 1960 by Mario Cavanna made efforts to open a location in the U.S. in 2011 and ultimately chose Gwinnett because of its business-friendly environment, the proximity to Hartsfield-Jackson Atlanta International Airport, and the area's skilled workforce. This company designs, produces and distributes worldwide automatic machines and turnkey systems for single pack and multipack wrapping of food, pharmaceutical and non food products. It's a safe and reliable partner the customer can turn to with absolute confidence to study and create together custom-made packaging solutions. Cavanna is on the U.S.A. market for over 30 years with over 500 installations. The need to be closer to American customers to better serve them and the strategic importance of this market has meant that Cavanna has made the decision to be on the market with an assembly plant and construction of its packaging technologies, highly suitable to a quality market like that of U.S.A.. The grand opening also highlighted Cavanna Packaging USA's year-end employment projection totaling 12 initial jobs with that number expected



to significantly grow as production increases. "As an effort to continue to support our increasing customer base and to grow our market share we have established a new operational facility in Duluth - Atlanta, GA. In addition to providing our customers with a great technical support, we are pleased to provide complete wrapping machines and wrapping systems.", said from the headquarters. This facility will complement the two manufacturing facilities in Italy as well as the successful Brazilian manufacturing facility. "As a company with a 52 year successful history of providing complete wrapping machines and systems, we are pleased to bring our services and products to North America," - said Riccardo Cavanna together with his sister Alessandra Cavanna, both of them CEO, Cavanna Packaging Group S.p.A. - "Upon recommendation from a fellow business owner to consider Duluth for Cavanna's expansion, our own review has shown this insight to be correct."

FILET BLEU - BISCUITS

CHALLENGES

Customer packaging requirement was to get stacks of 3/4 biscuits each, depending on the size of the product. Biscuits were arriving flat to the wrapping line at a speed of 700 ppm and had to be stacked before being wrapped. The solution needed by the customer was therefore a high speed integrated wrapping system able to handle different product sizes with a high rate of flexibility. How can you stack biscuits arriving flat at a high speed?

SOLUTIONS/STRENGTHS

Cavanna presented an electronic programmable stacking system. This innovative device provides three main clear benefits:

- the number of products per stack is programmable electronically
 - it is definitely user friendly (extremely easy to set)
 - lower possibilities of failures during the stacking process
- The line can wrap products of several sizes with very quick changeovers. It is also to point out that the product is handled individually and stacked before being wrapped. This enables a better product handling which guarantees lower microshocks.

RESULTS/BENEFITS

The Cavanna solution granted an efficiency higher than 99%. With great flexibility in quick changeovers, the system was successfully integrated in the line achieving best performances also at high speeds.



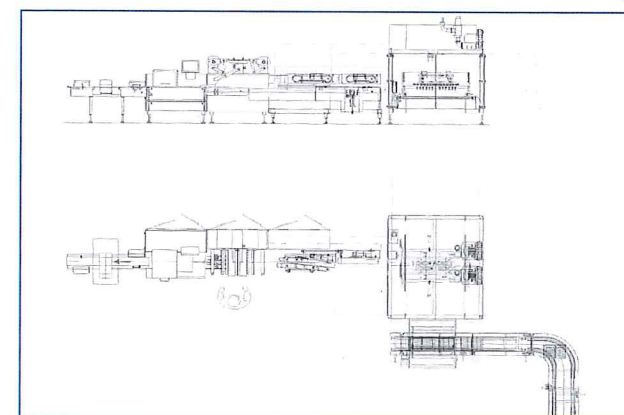
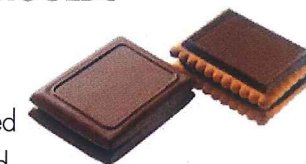
CHOCOLATE BISCUITS IN MOULDS

CHALLENGES

Even the carb-conscious get tempted by so delicious chocolate biscuits. And, with the market demand running high, one of the world's largest bakeries sought an automated system that would be more productive. The system needed to handle 900/1000 pieces per minute coming from the process line. Products arrived in plastic moulds

- each containing 30 products (chocolate coated biscuits)
- and had to be flowpacked in piles of two (450/500 packages per minute).

How is the automated line to be configured to face a demand of increased production?



SOLUTIONS/STRENGTHS

To meet the needs, Cavanna designed and supplied a new packaging solution just for the bakery, consisting of transport system, double intake of moulds, axial handling system, evacuation and recycling of empty moulds, superimposed pile-forming device, wrapping machine Cavanna Zero 5. The killer application of the solution developed by Cavanna is the AXIAL HANDLING SYSTEM, consisting of two heads. They are run by five brushless motors to perform the following movements simultaneously

- backwards and forwards (1 motor)

