Abrigo Spa

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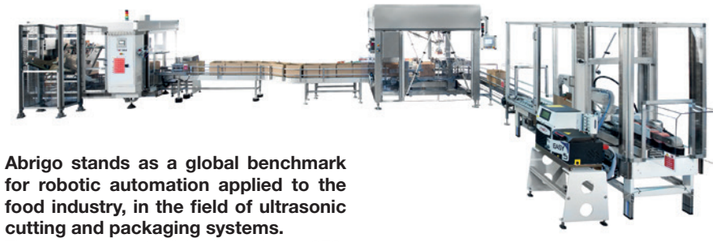
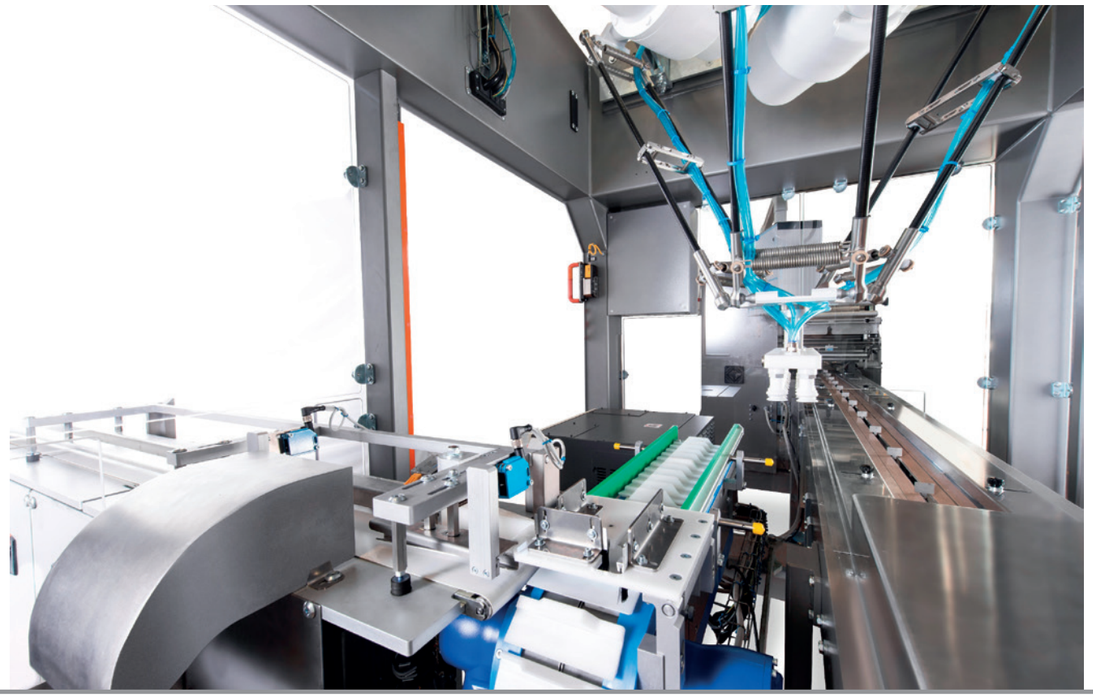
ABRIGO
ROBOTIC SYSTEMS FOR FOOD INDUSTRY



Abrigo stands as a global benchmark for robotic automation applied to the food industry, in the field of ultrasonic cutting and packaging systems.
The company, established in Italy in 1979, supplies turn-key machines and systems to worldwide leader companies; its areas of competence are **chocolate**, **bakery**, **frozen food**, **dairy**, and **confectionery**.
Abrigo has been one of the first companies in the world to produce **ultrasonic cutting** systems.
The **Multras** and **Flexcut** machines can operate on round, squared, rectangular products or in continuous rows. High quality of the cut, hygiene and great flexibility allowed the application of these systems in leading companies in the production of cakes, pastries, snacks and bakery in general, as well as dairy products.
In collaboration with partner companies, builders of horizontal and vertical wrapping machines, Abrigo can integrate **primary packaging** equipment in its turnkey systems. The company produces **automatic feeding systems** for a wide range of primary wrapping machines: flow-wrappers, bagging machines, wrappers for chocolate, thermoformers, cartoners; all these machineries are the field of application of artificial vision systems guiding robots in their work-cycle. These systems are able to operate on randomly incoming products, to detect them and pick and place them onto the packaging machines.
Abrigo has developed a complete range of solutions for **secondary packaging** and end-line, based on the concept of **Modular Robotic System (MRS)**.
This concept is based on modular cells, each one equipped with a robot built by Abrigo or commercial robots up to 6 axis, and with devices that made it capable of performing the operation of erecting, filling or closing a box. The complete system can include whichever number of cells, depending on the customer's requirements. Any kind of product can be placed inside master cases, display boxes, thermoformed trays and other type of secondary package.



MRS - Robovision systems are modular cells equipped with high-speed robots driven by artificial vision, designed for situations in which the randomly incoming product should be placed in order inside packages.
Furthermore, Abrigo, in partnership with leader companies in their own branch, developed **integrated systems for bakery products** like cupcakes and muffins. A unique solution that starts with paper-cup depositing in baking pans or on oven bands, includes depanning and decoration, and ends with secondary packaging and final packing.
Each system by Abrigo is completely tested before being shipped, and its installation team assists the customer until full production; furthermore, each equipment includes remote assistance system, and Abrigo after-sales and spare parts service is available to maintain the equipment in efficiency for all its life.
Abrigo's over 35 years long history makes the customers see it as a partner rather than a supplier.



MADE IN ITALY

ROBOTIC SYSTEMS AND COMPLETE LINES FOR THE FOOD INDUSTRY

FIELDS OF APPLICATION

SNACKS
ULTRASONIC CUTTING, DEPANNING, PRIMARY PACKAGING FEEDING, SECONDARY PACKAGING

BAKERY
ULTRASONIC CUTTING, PRIMARY PACKAGING FEEDING, SECONDARY PACKAGING (CAKE, SNACKS)

CHOCOLATE
PRIMARY PACKAGING FEEDING, SECONDARY PACKAGING (CHOCOLATES, PRALINES, BARS)

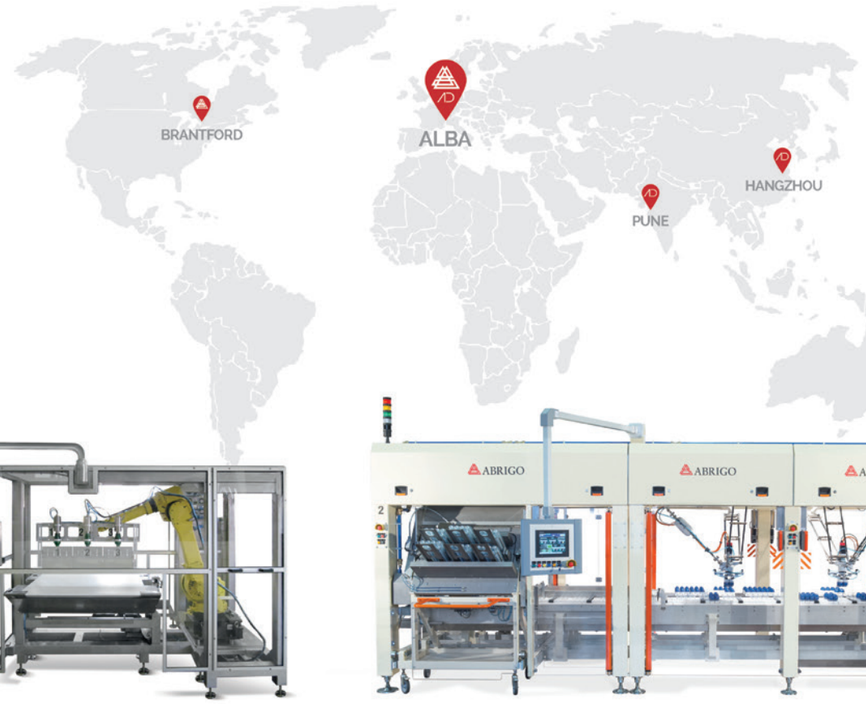
COFFEE & BEVERAGE
BOXING, DESIGN AND CREATION OF SPECIAL PACKAGING

FROZEN FOOD
ULTRASONIC CUTTING, PRIMARY PACKAGING FEEDING, SECONDARY PACKAGING

DAIRY
ULTRASONIC CUTTING, PACKING IN TRAYS, SECONDARY PACKAGING

CONFECTIONARY
SECONDARY PACKAGING

NON FOOD
PRIMARY PACKAGING FEEDING, SECONDARY PACKAGING



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