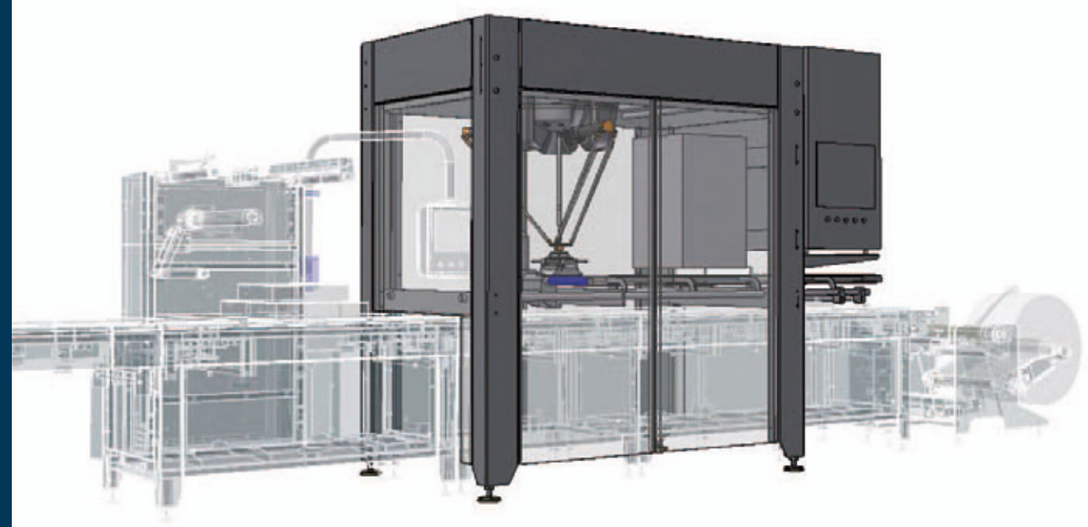
Products

SNACKS
BAKERY
CHOCOLATE
CONFECTIONERY
DAIRY PRODUCTS
FROZEN FOODS
PET FOODS
COFFEE & BEVERAGES
NON FOOD PRODUCTS

Packets

TRAYS
DISPLAYS
TUBS
THERMOFORMS
CARTONS



Every product is customised

Your specifications are fundamental input for us. ABRIGO customises the machine in order to satisfy all requirements necessary in the project definition phase

MADE IN ITALY

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ABRIGO
ROBOTIC SYSTEMS FOR FOOD INDUSTRY

Robofeed

FEEDING MACHINES FOR PRIMARY PACKAGING

Our robotic systems are used anywhere a product must be packaged accurately, quickly and reliably.

Abrigo's compact robotic cells are designed to automate handling operations of product units or to feed primary wrapping machines.
They are modular systems in which several examples of the individual, small robotic cell, accessible from all sides, can be reproduced; flanked and co-ordinated in a way to add production capacities (up to 100 pieces/min per cell) and reach the requested level.

TECHNICAL FEATURES

N° robot axes	From 4 to 6
Work rate	Up to 100 pieces/min per cell
Payload	From 1 to 6 kg
Product detection system	Computer vision
Control systems available	PC, PLC, axes controls, touch-screen, tele-assistance
Marking	CE, CSA, UL



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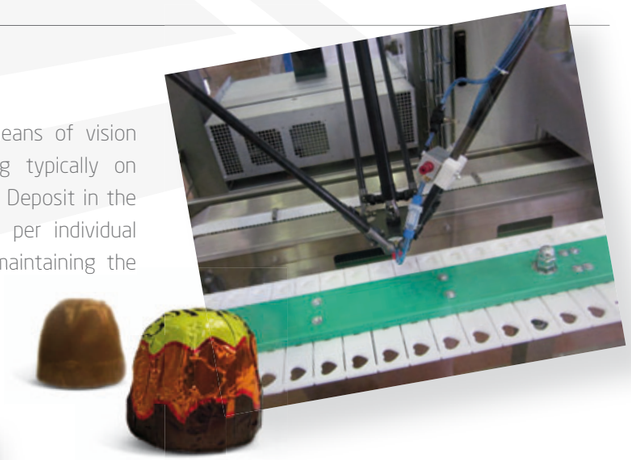
Flexible robotic solutions

The flexibility and adaptability of our robotic systems to different product formats means a much quicker return on investments with respect to traditional packaging systems

Wrappers

Feeding wrapping machines by means of vision guided robotic modules, operating typically on chocolate products, arriving in bulk. Deposit in the machine exceeds 100 pieces/min. per individual module, and aims particularly at maintaining the integrity of the product.



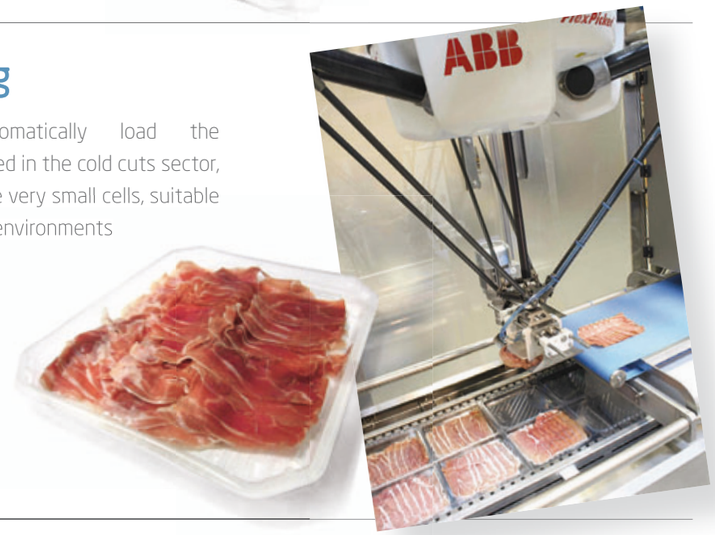


Flowpack

The robotic cells can pick-up products, synchronize their own movements with the steps of the Flowpack machines, and deposit them, maintaining high production cycles. Pick-up is guaranteed by special grippers designed especially according to the specifications of the individual product

Thermoforming

The applications automatically load the thermoformed packets, used in the cold cuts sector, but that is not all. They are very small cells, suitable for use in highly sanitized environments (e.g. clean rooms).



On tubs

The systems are used to pack dairy products, locating the product arriving from the production lines, placing a tub taken from a magazine and overturning it to return a tub ready for the next operations (e.g. flowpack).



The state-of-the-art of our technologies.

The strong link with production realities in the forefront, the constant research for solutions to lower labour costs and the hygiene-health problems linked to handling, has allowed us to obtain great know-how in this sector. In spite of the fact that we build primary packaging machines, we are specialised in the creation of automatic feeding systems for many applications.

The robotic solutions have been applied to the most varied packaging systems of the bare product: flowpack packaging machines, chocolate wrapping machines, thermoforming machines, wrapping machines and cartoners are the ideal field of application for computer vision guided robotic systems. They can operate on products arriving in bulk, identify them, directing them and depositing them inside the packaging machines. For situations operating in clean rooms, this all takes place with smaller clearance and high levels of sanitization.

The R&D Dept. works constantly on the innovation of the pick-up tools and this makes the Abrigo robotic cells a flexible and modular solution, allowing them to be used on a wide variety of products, from the bakery to the dairy, from cold cuts to confectionery



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