



Secondary Packaging





Plants and systems for secondary packaging

Technological, automated packaging solutions for all the companies working in the sector of consumer goods.

We have an extensive range of machines, specifically designed to achieve different types of packaging for product distribution.

These machines guarantee all the versatility modern industries need.

Our expertise is based on the following technological assets:

- 1 Fifty years of experience** and exclusive, constantly innovated know-how that responds to the market's evolving **technological trends**
- 2 Ability to offer** each company the solutions that best respond to its needs, and with proactive real-time response to the development of its production lines
- 3 Excellence in every corporate function** and in the comprehensive services offered, including the capacity to handle several projects simultaneously
- 4 Flexibility, solidity and reliability**, combined with high production effectiveness even in terms of energy efficiency, are the outstanding features of our machinery
- 5 Skills in proposing customised solutions** for each production plant, fully respecting the integrity of products, and the quality of the final packaging
- 6 Our machines are able to "work in synergy" with one another and can be easily inserted into the ERP and MES management systems** of other companies, so as to furnish nonstop processing data in real time
- 7 Consultancy** services for packaging issues and patented solutions placed at the disposal of our customers

Every automation level chosen for secondary packaging may be further integrated into an automatic and end-of-the-line palletizing system.

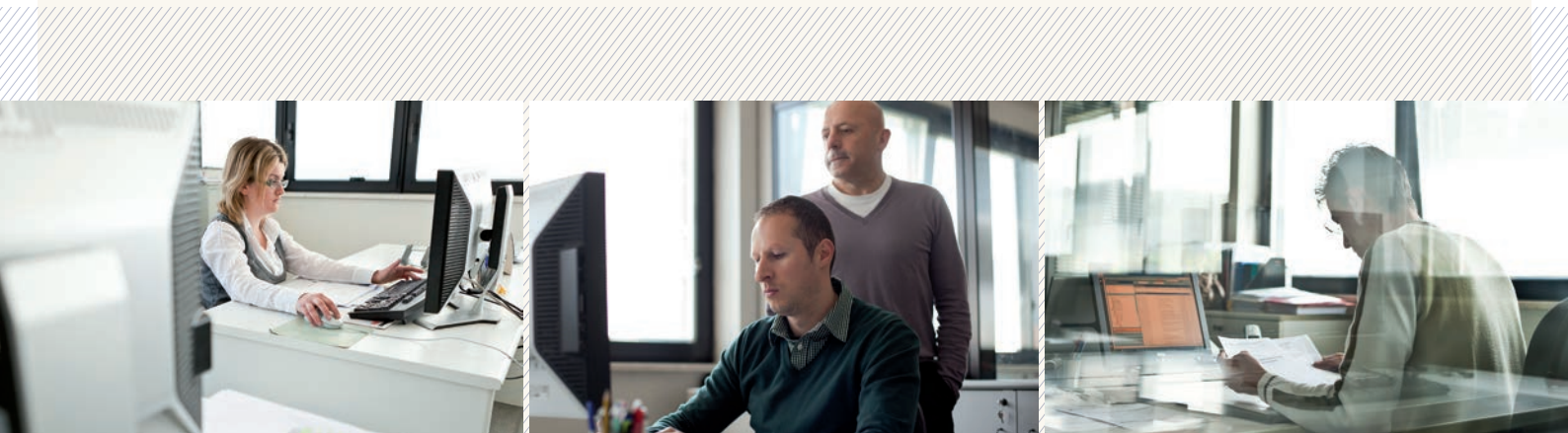
Our fields of expertise

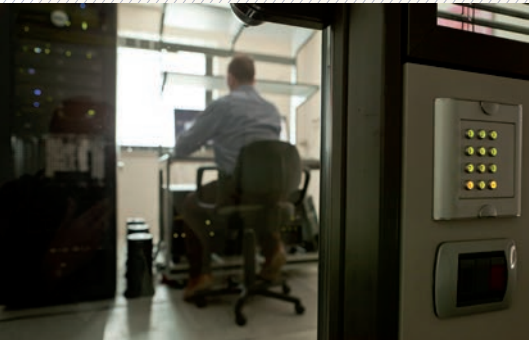
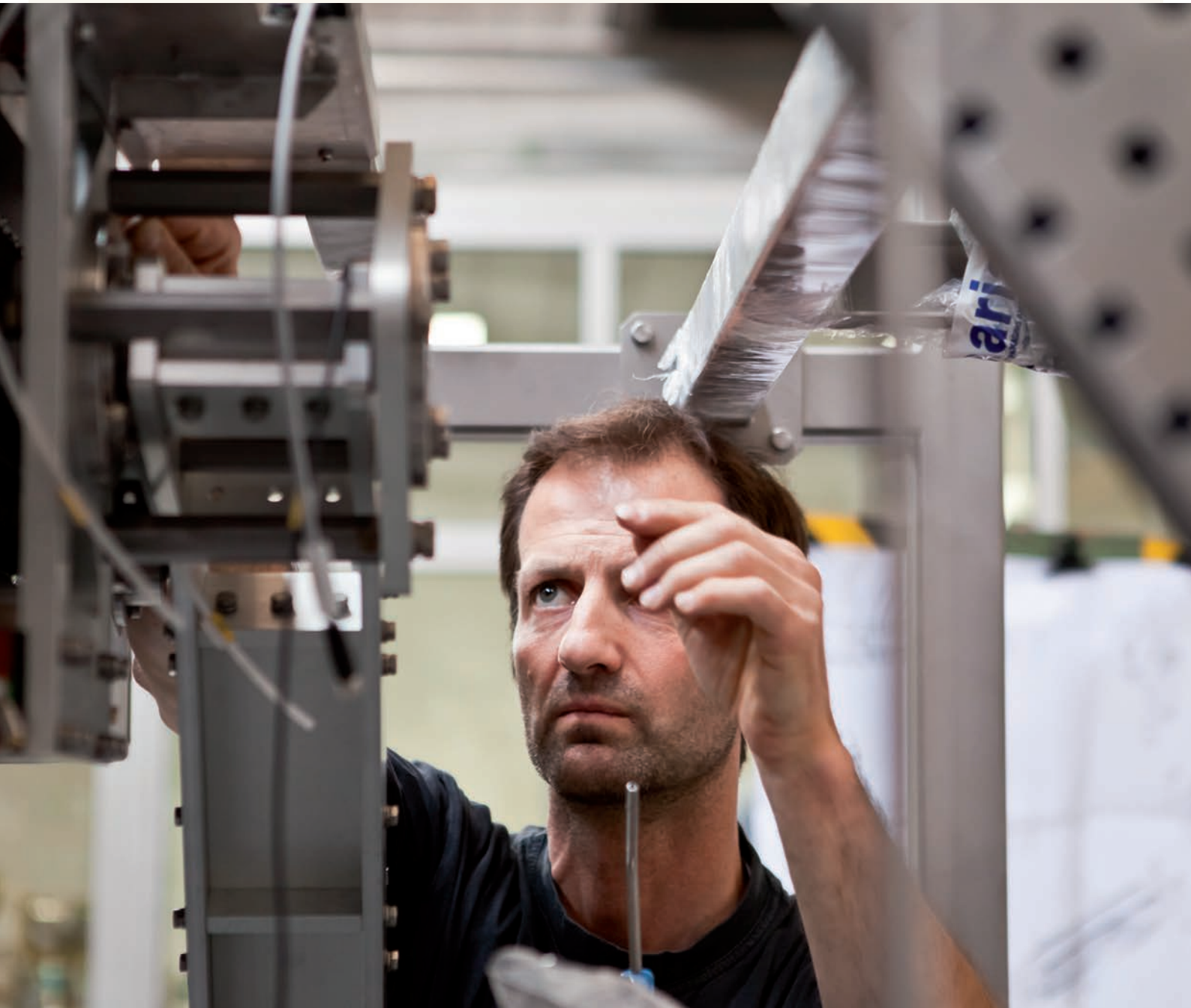
Each client has specific demands to which we dedicate particular attention, and through a flexible approach, we offer the utmost support in helping each and every one realize profits from their own investments.

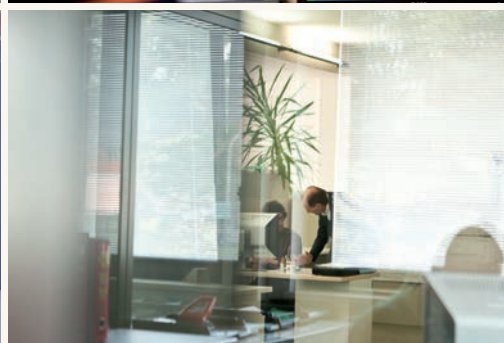
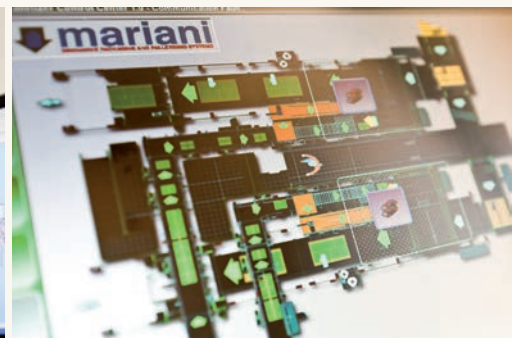
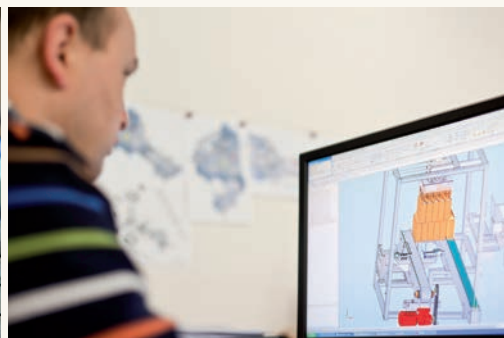
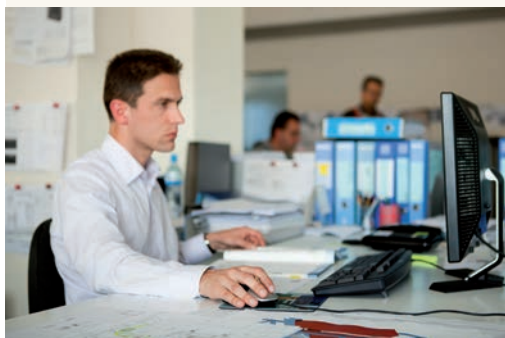
This may imply for some, the possibility to acquire new **machines with superior performances**. For others, it may be a means of obtaining support in designing packaging for a new product targeting the best solutions for pre-existing lines, with the objective of maintaining **market competitiveness**.

The company is formed by a group of specialized technicians who have a common goal and work together to **bring about innovative systems** that are subsequently offered to clients, in response to all their specific needs.

Our engineering service avails of staff with **long-standing experience** and who supervises the construction and installation of each plant which plays a central role under all aspects, as single machines and as an overall system, to achieve customer satisfaction at all times.







Customer relations

Our strength consists in technological competence, insight, a proactive view of the events, and planning abilities that make us set our customers' needs as our top priority, from the plant's design phase to its commissioning.

1 | Analysis of the demands, drafting the project specifications and layout of the new proposal

5 | Startup and staff training

2 | On-site inspection and managing the final project

6 | Post-sales assistance and maintenance solutions

3 | Pre-testing of client's products in Mariani's facilities

7 | Safety and sustainability

4 | Installation and connection to the technical services

8 | Upgrade of existing machines

Project design and setting up of the system

Our core business is engineering and the creation of complete lines for the milk and cheese, food and drinks industries, starting from the production unit up to the delivery of palletized loads or other packaging for transport to warehouses or to the distribution platforms.

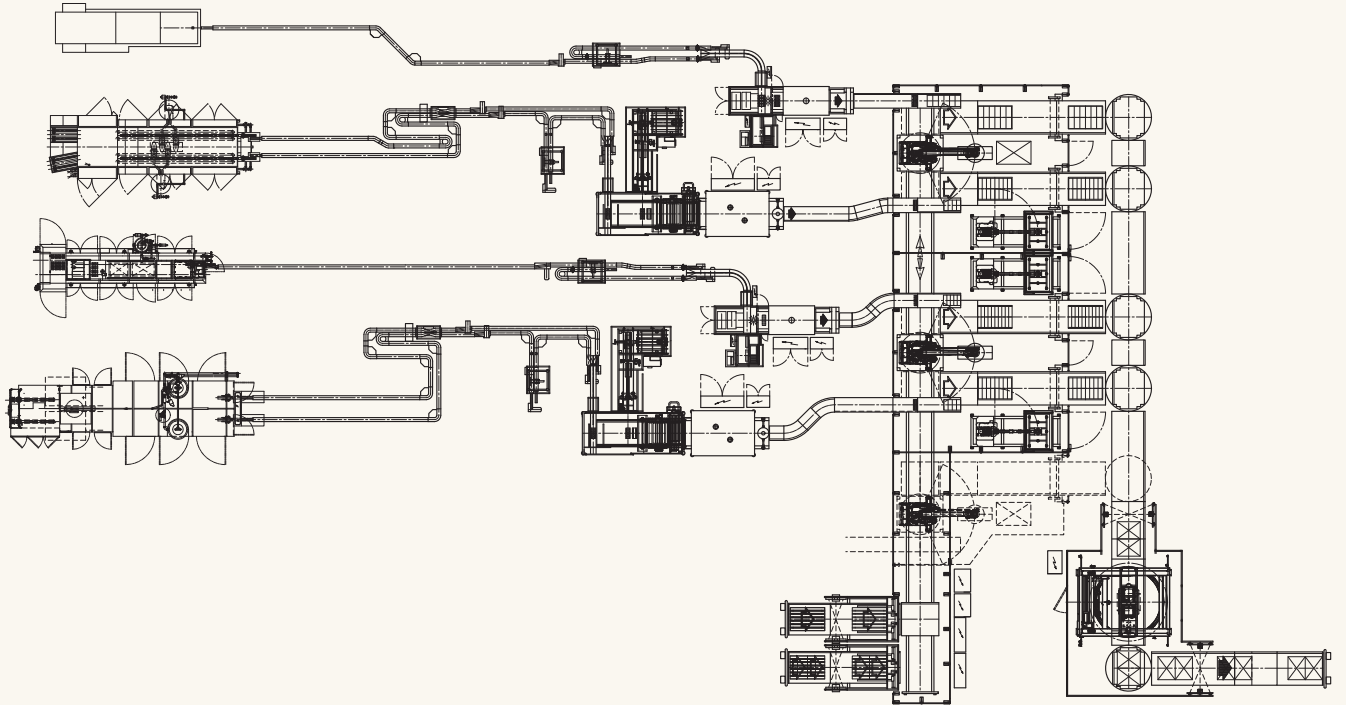
The packaging and palletizing of industrial products often entail great demands. The great variety of items with an **equally extensive range of containers and packaging** require **highly flexible**, quality packaging solutions with excellent production outputs.

Projects take form on the basis of numerous, specific criteria, some of which are of primary importance and represent the effective and binding design requirements which Mariani's team of **experienced and highly qualified designers** is able to meet, and above all, transform into efficient production factors.

The packaging lines produced in our company cover a complete series **of highly flexible and reliable machinery** equipped with grouping units, gentle release and moving devices aimed at protecting in the best way possible, the integrity of carton containers, such as the brick containers, plastic or glass bottles, and other light packs and their labels with delicate surfaces or serigraphs.



Gable Top Cartons



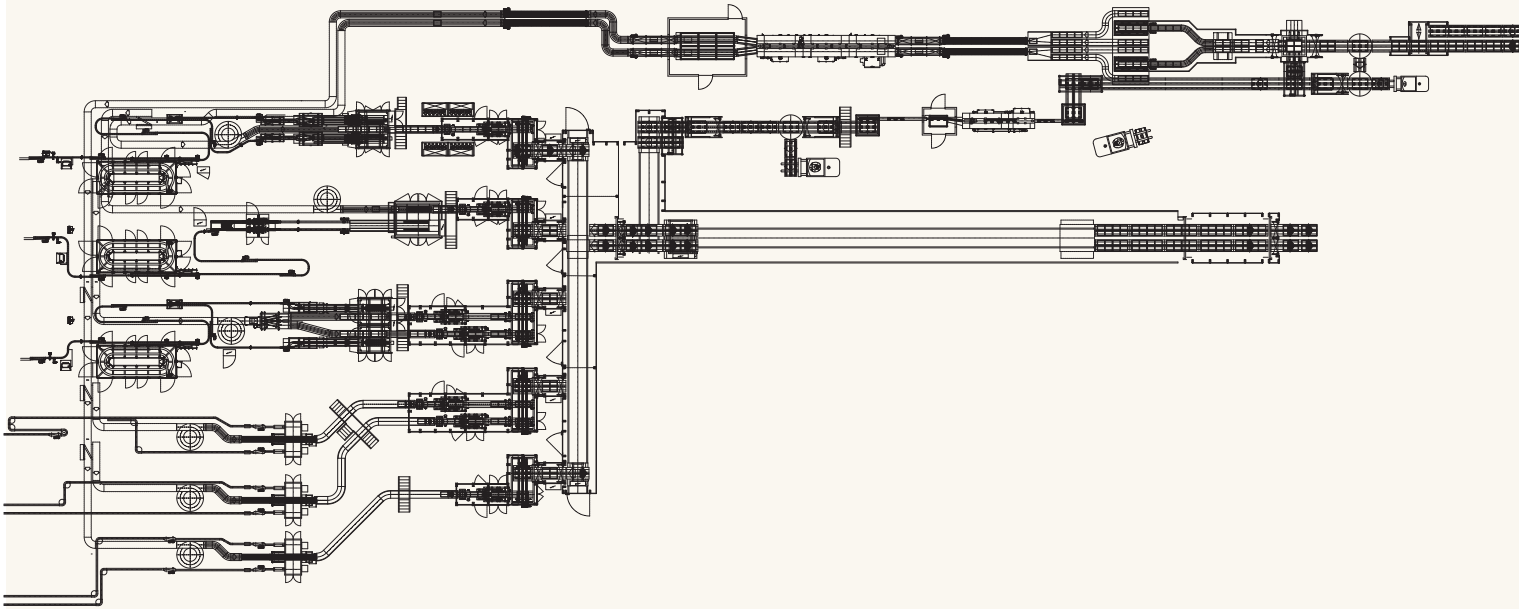
GABLE TOP CARTONS PACKING SYSTEM

4 GableTop **330-500-1000-2000 cc** packaging lines

Volume of **34,000** packs processed per hour

Bundles with gable top cartons in formats of **4x2-5x2**

PET - HDPE BOTTLES



COMPLETE SYSTEM FOR BOTTLE CRATE PACKING

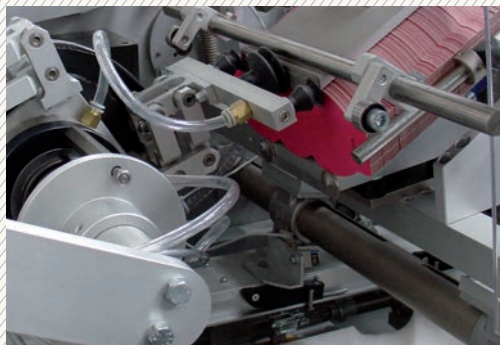
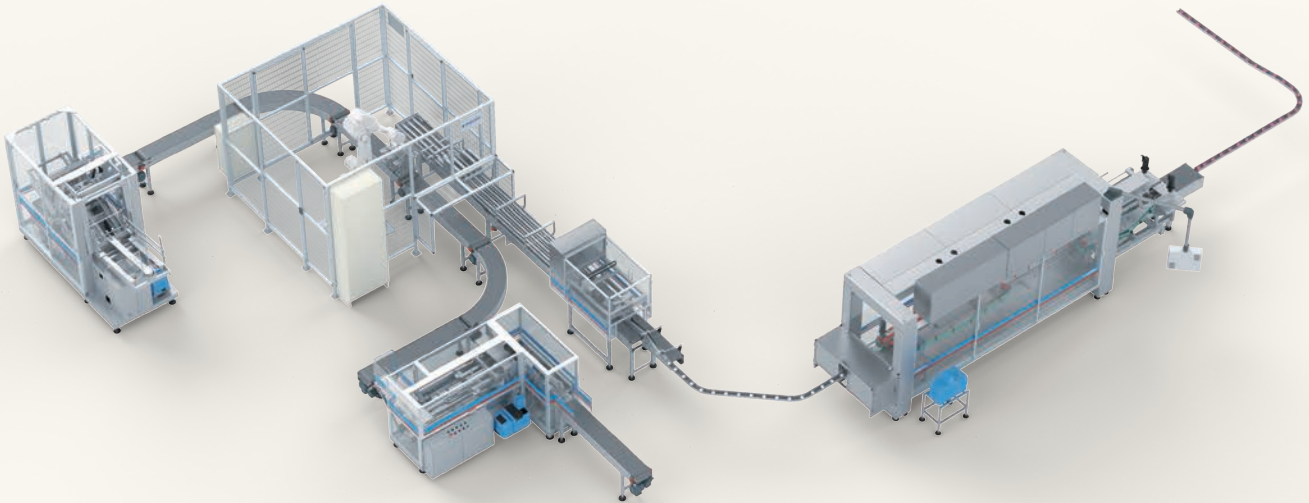
PET - HDPE bottles - capacity **200-330-500-1000-2000 cc**

Units per crate: **from 9 to 72 bottles** according to sizes

5,000 crates processed per hour

220 pallets moved per hour

Small Cups and Multipacks



SMALL CUPS PACKING SYSTEM

Clusters **of 1 and 2 cups of 1 portion** complete with spoon and lid

Volume **12,000** cups per hour

Box formation: **8x1** and **8x2**

The packaging process

Mariani is able to handle the entire packaging process, from product pick-up to its primary packaging and up to palletizing.

product collection and sorting out > application of straw-spoon > grouping of multipacks with film or strips > package covering with wrap-around boxes, trays, RSC, crates, film, cartons + film, roll containers, etc. > transport of sales units and related tasks > palletizing by layer or with robot > delivery to warehouse

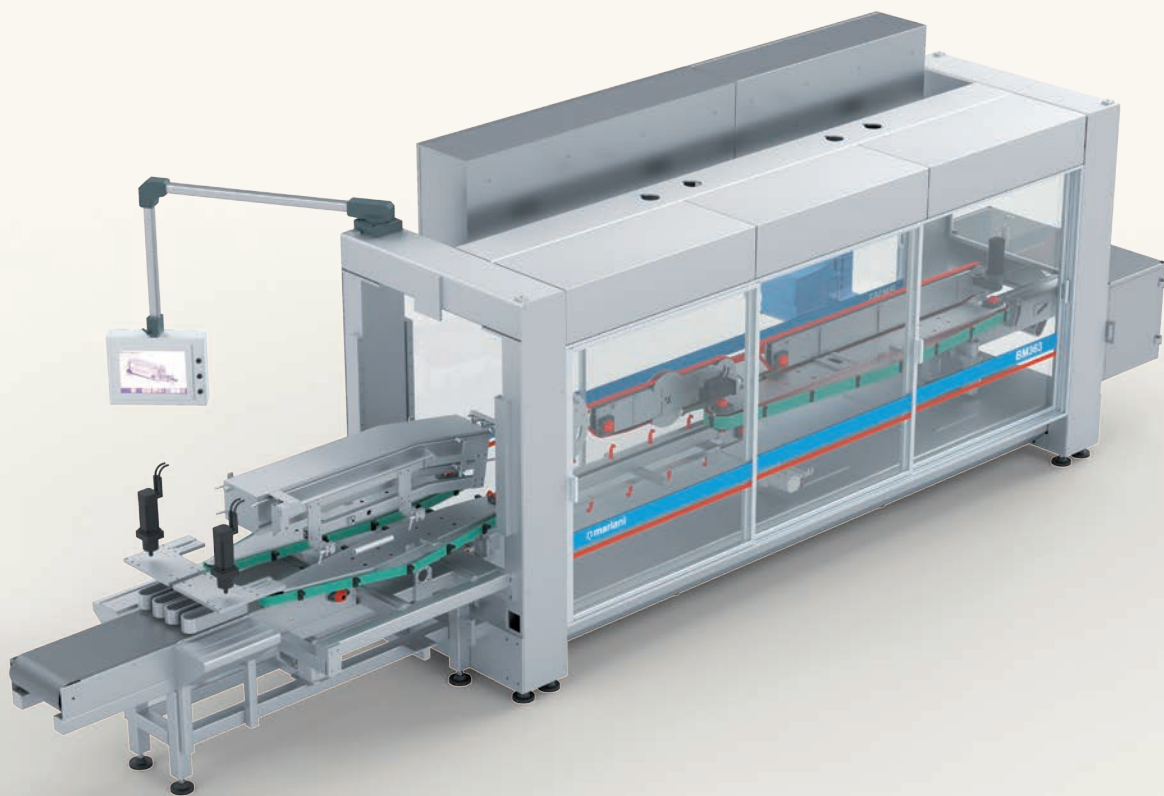


Large consumption of products and beverages in primary rigid containers like brik containers, yogurt pots, thermoformed pots, bowls, multipack packages, bottles, tins, pouches and many others packaged in multipack packages - clusters - cases - trays - wrap around - SRP - American-type boxes - crates - roll containers - trolleys, mini-pallets, etc.



Sleeve wrapping machines

It is a category of totally automated machinery of the **BM series**, a cinematic continuous-run plant designed for medium to high-speed packaging productions of stiff products in sleeves with wraparound cardboard, and heat-glued strips.

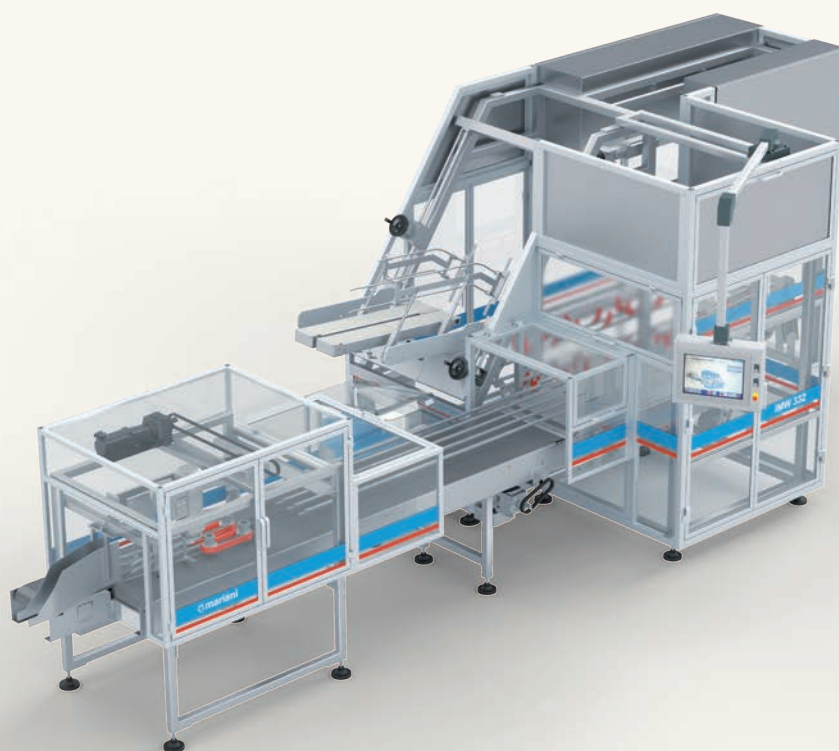


PACKAGES

➤ rigid bottom or top glued cardboard sleeves, single or multiple configurations ➤ clip on the neck of the bottle with side flap ➤ special multipack on request

Wrap-around case packing machines

The wrap-around case packers of the **IMW 332 series**, are totally automated and pack all types of stiff containers, in wraparound cases and trays, in one or more layers with a wide variety of configurations. These machines, according to the product and packaging demands, are equipped with bottle housing inserts, magnetic head for glass jars, lid applicators, etc. These are available in various models according to specific packaging needs.

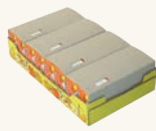
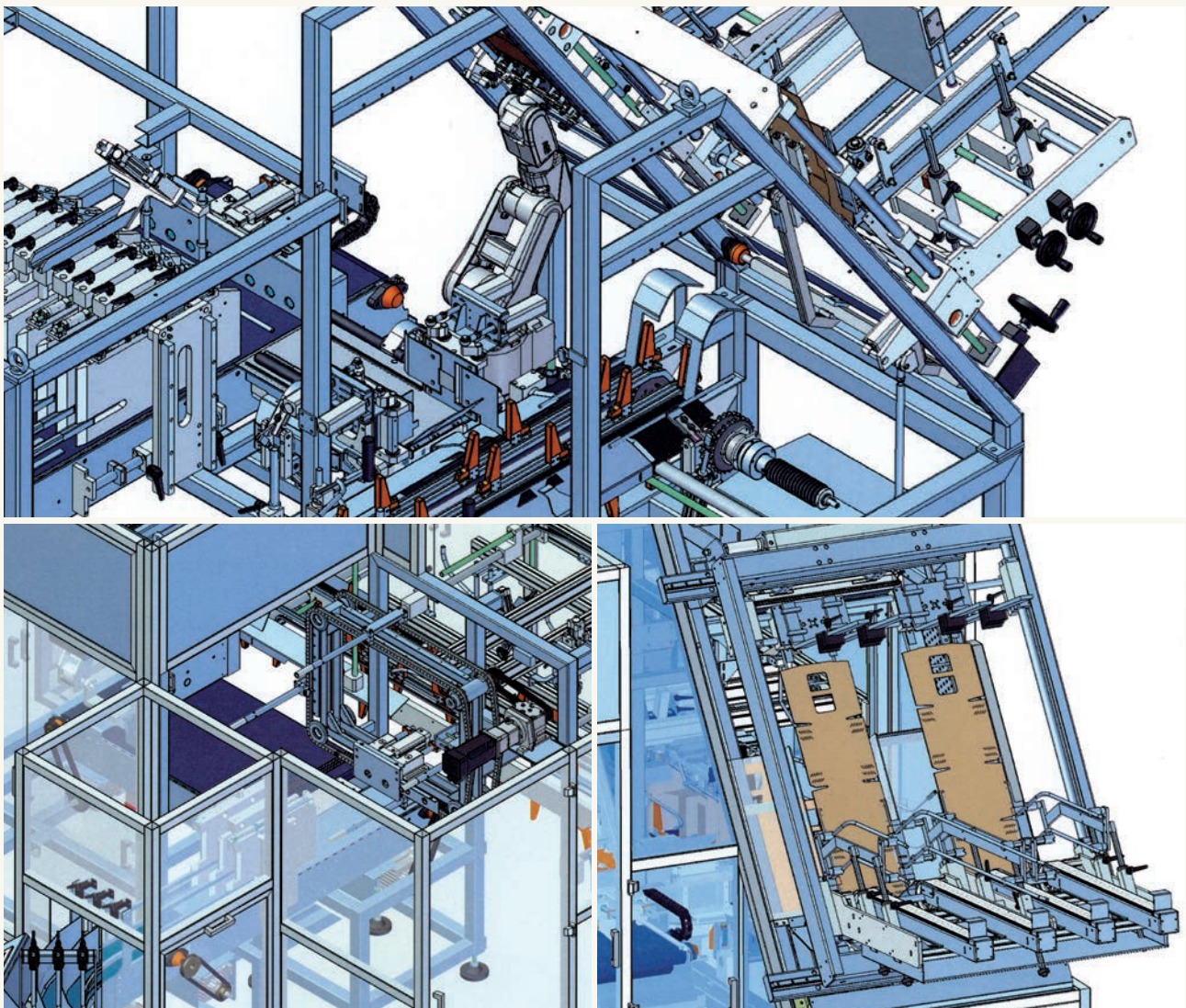


PACKAGES

- › closed cases with external flaps
- › open cases or with easy-open features
- › shelf ready packages
- › cases with strip-off opening
- › cases with bottle housings
- › cases with internal flaps
- › cases with handles
- › high-/low-rimmed trays
- › trays with lids
- › trays with ledges

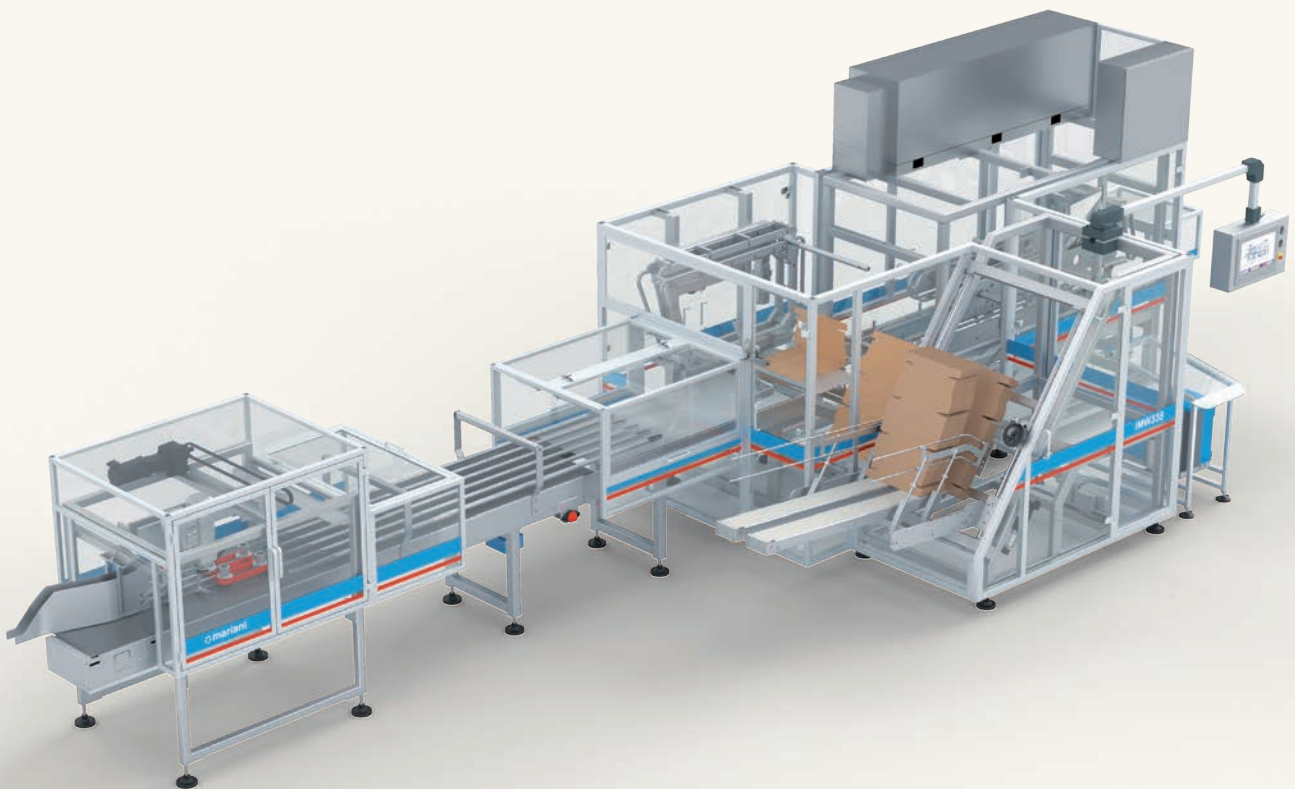
Wrap-around case packing machines

The wrap-around case packers of the **IMW 332 series** can be built with a wide variety of configurations according to the product type, packaging, production speed and optimization of available space. The same can be equipped with special automatic devices such as: lid-inserting robot for SRP packages, case weighers, leaf inserters, dual sheet magazine, etc.



Wrap-around case packing machines

The wrap-around case packers with “inline” continuous forming of the **IMW 335 series**, are totally automated and pack all types of stiff containers, wrap-around cases and trays of various shapes and extensive variety of configurations. These machines may be equipped with automated devices designed for specific packaging needs. Our productive flexibility allows us to achieve different layout configurations.



PACKAGES

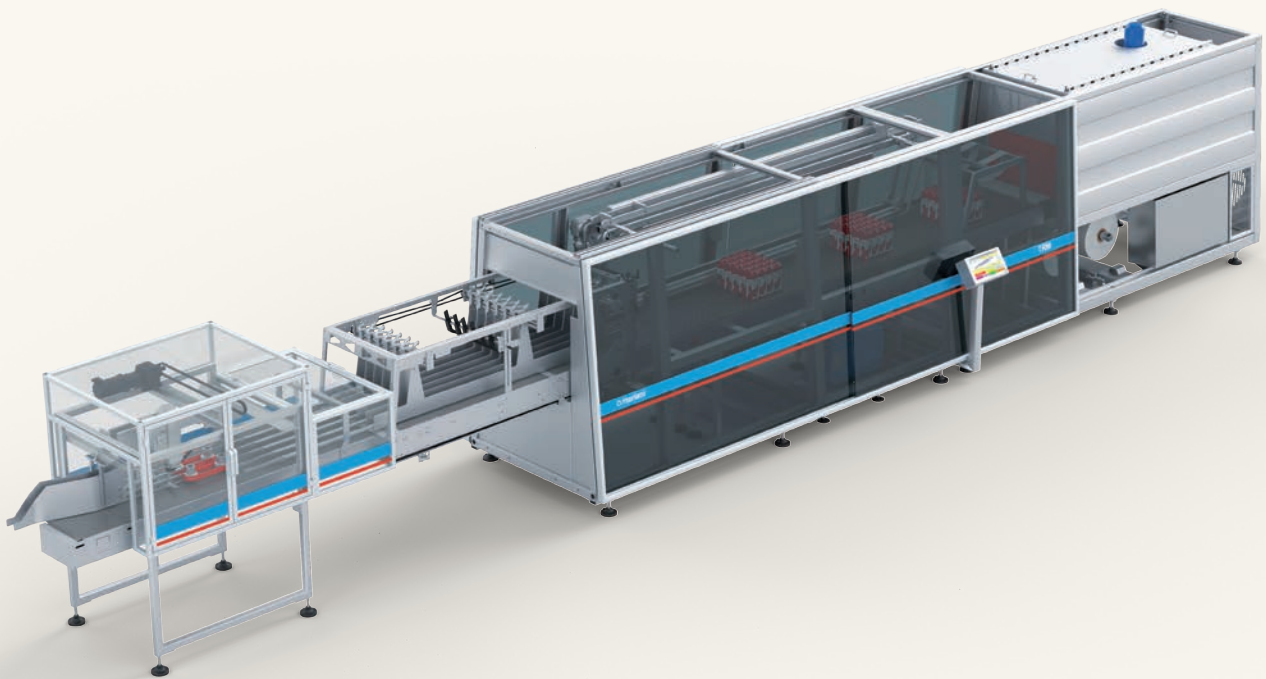
› closed cases with external flaps › open cases or with easy-open features › shelf ready packages › strip-open cases › cases with bottle housings › cases with internal flaps › cases with handles › high -or low- rimmed trays › trays with lids › trays with ledges

Shrink wrappers

A wide range of compact **TRM** shrink wrappers that produce sales units of the best aesthetic quality and effective stability in palletizing, wrapped with shrink-wrap also preprinted film wraps.

Two technologies are placed at the disposal of clients, both efficient and chosen according to the type of product requested: those with welding bars and those with film launch, at speeds of 10 to 50 bundles per minute.

These automatic machines guarantee benefits both in terms of eco-friendliness and costs, with the use of thin films and shrink wrapper ovens with maximum energy efficiency.



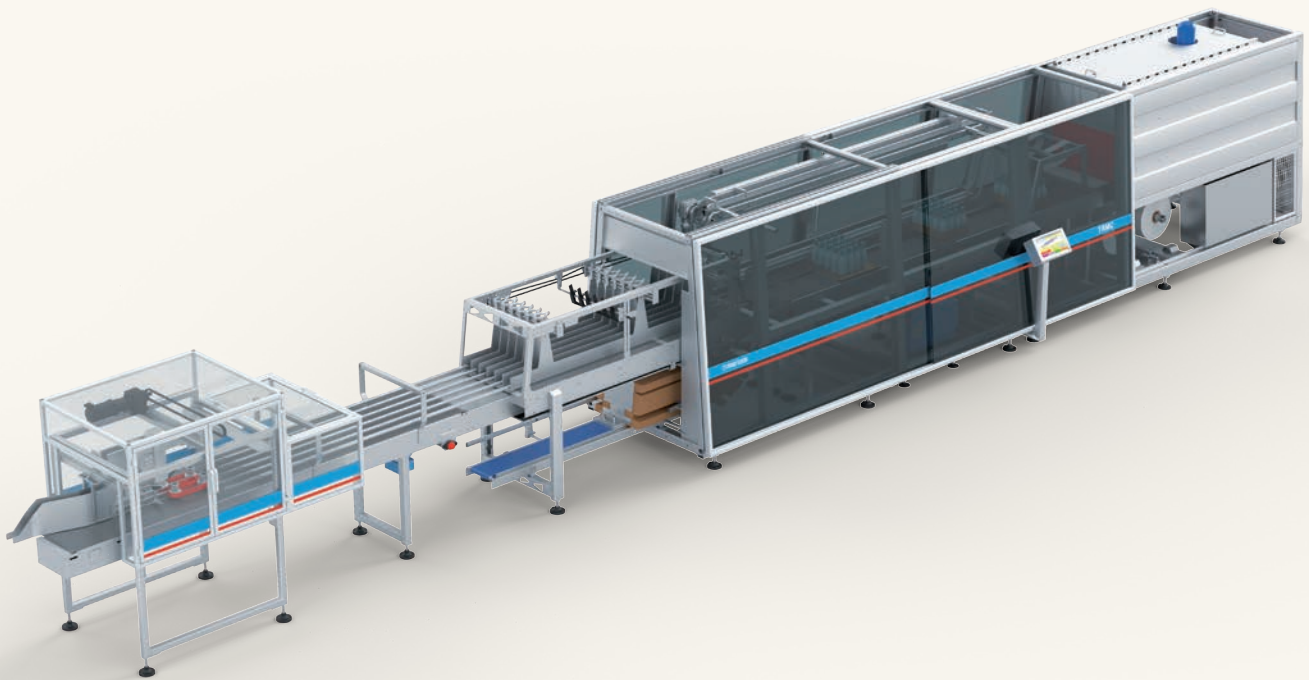
PACKAGES

- › only film bundles
- › film bundles + vertical or bottom sheets
- › film bundles of trays and cases
- › bundles with handles

Combined shrink wrappers

This series of compact **TRMC** heat-shrink wrappers sets in a sole machine and in very little room the technique to pack in both wraparound cartons and heat-shrunk trays, or just bundles in heat-shrunk film.

The use of these automated machines guarantees many benefits in environmental and economic terms since the thin films and the heat-shrinking ovens are fully energy efficient.



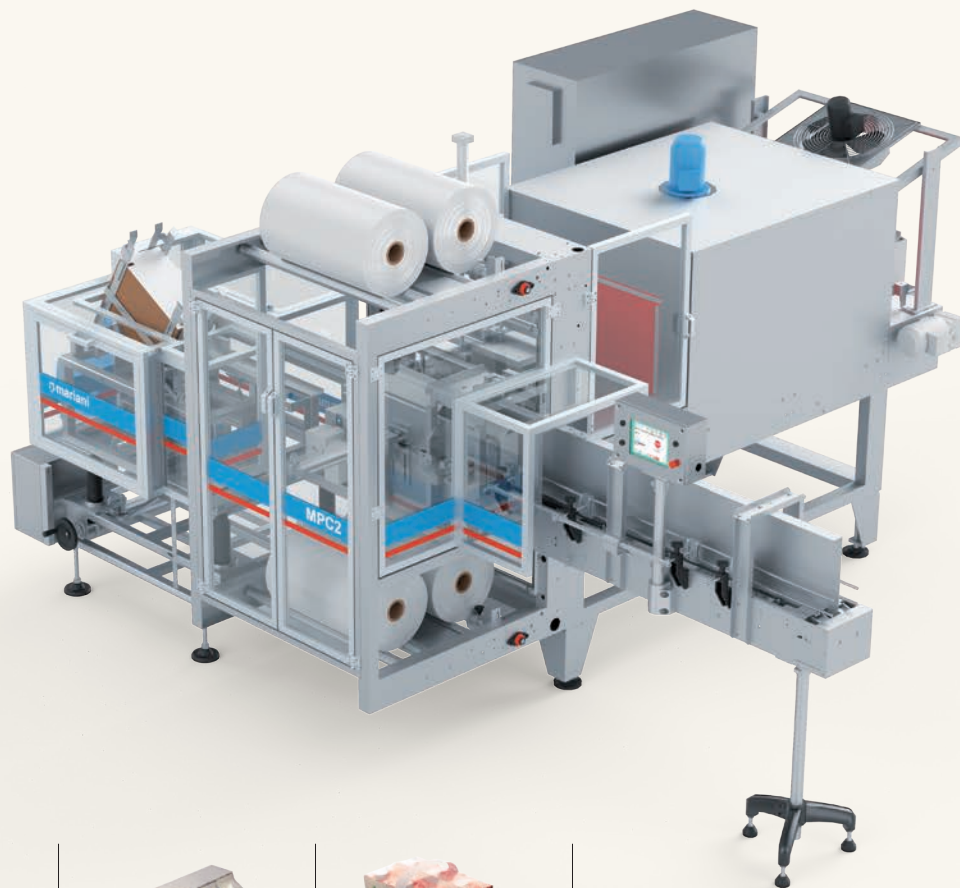
PACKAGES

- › trays with film › only film bundles › bundles with multipack packaging › trays without film
- › wrap-around cartons › bundles with handles

Shrink wrappers with carton inserters

A wide range of heat-shrink wrappers of the **MPC2 series** equipped with carton leaf inserter, both flat and profiled as required, suitable to compensate for the different heights of products because of the cap. In this way, multipacks are formed with greater resistance to vertical compression during palletizing procedures and are thus suitable for direct pallet loading.

Two types of techniques can be chosen by the client, both efficient and chosen according to the type of product and the production capacity requested: the sealing bar and film launch technique.



PACKAGES

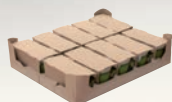
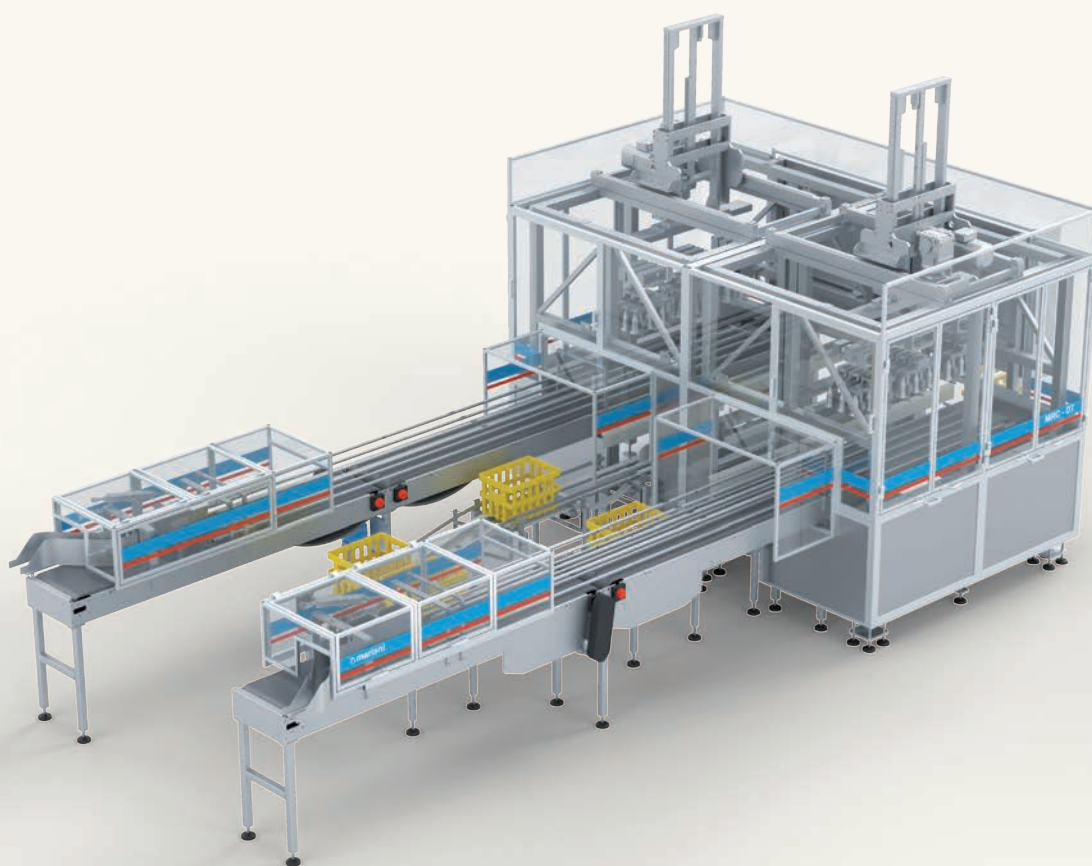
> film bundles + carton triangle inserts for Gable Top containers > film bundle + base and vertical cardboard sheets > film bundles + base and vertical cardboard sheets > film bundles + carton or polystyrene cap cover > bundles with handles

Case and crate packing machines

A series of machines suitable for the packaging of products into American-type cases (RSC), in trays, or for the depositing of products in plastic crates or roll containers.

The line of automated **MRV - MRC** machines ranges from case and crate packers from 1 to 4 heads models to the monobloc machine which executes three working phases for synchronized nonstop casing - forming, filling and closing.

The boxes can be sealed with hot-melt glue or adhesive tape.



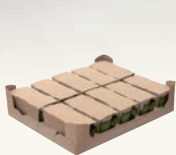
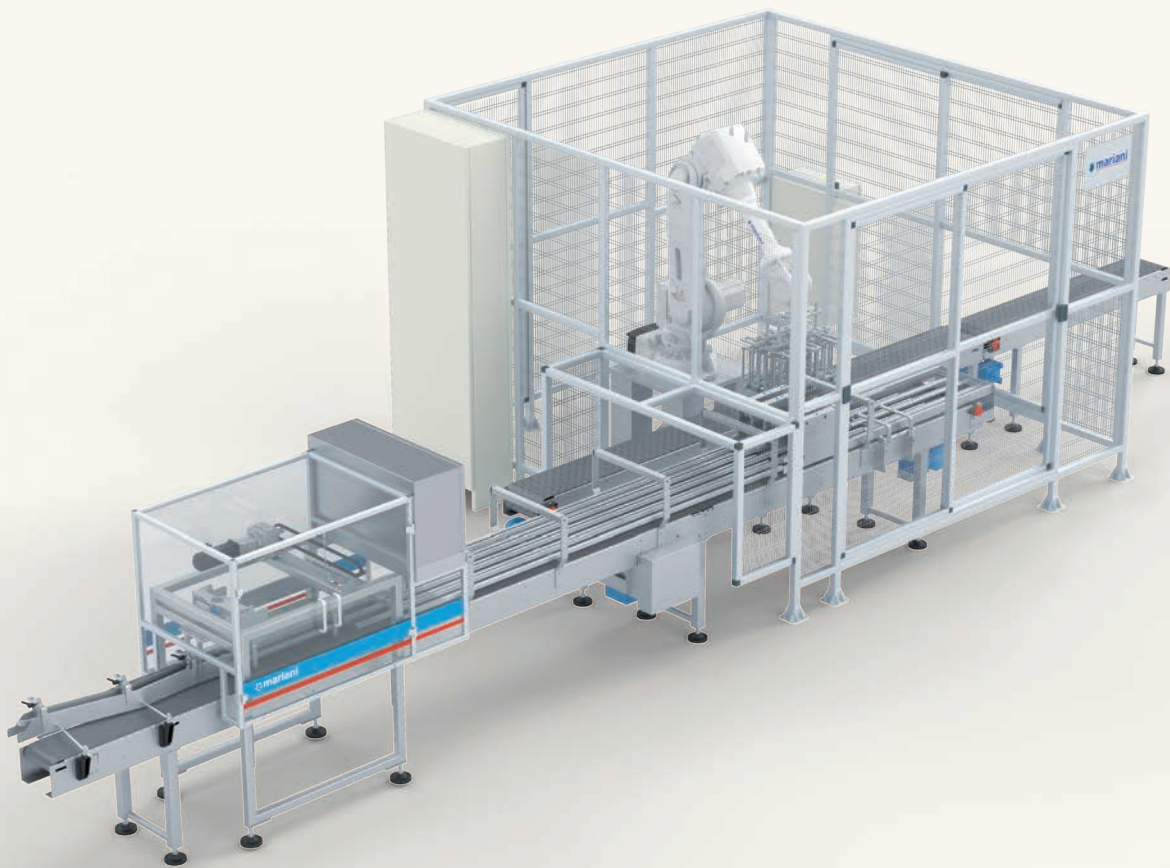
PACKAGES

› trays › trays to hold jars › American-type RSC cases or similar products › cases › display cases › roll containers

Pick&Place Robotized units

This is an electronically controlled **MA-ROB 360-460** Robot series, characterized by high performances and absolute precision. A robot with 4 axes is suitable for processes that require high flexibility, precise operating continuity combined with rapid format changeovers.

The units are equipped with advanced protection systems, characterized by maximum operator access. The single grip heads are designed for the products to be handled and in view of specific applications.



PACKAGING

› trays › American-type cases (RSC) and similar ones › cases › display cases

Brick containers

Mariani has always been a leader in the sector of packaging systems for paper containers and supports producers by offering its own know-how for secondary packaging and ever new and faster processing lines.

Our research and development department is specifically structured to construct machinery and automated packaging plants able to ensure **total adjustment to specific demands**.

The solutions always reflect our corporate philosophy in placing at the disposal of our clientele, an easy-to-use automation with the utmost efficiency and flexibility that can modulate the speed on the basis of effective needs.



- Sleeve wrappers with capacity up to 30,000 cartons per hour
- Wrap-around case packers from 24,000 cartons per hour + 30% expandable to 30,000 + 30%.

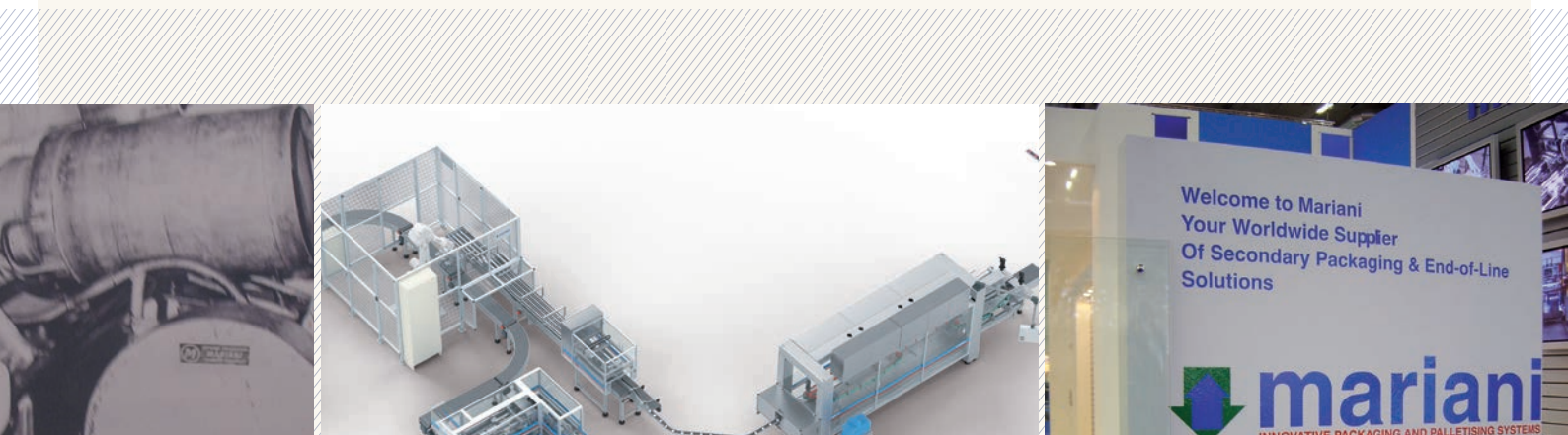
50 years of experience in the automation and end-of-line packaging sector

Mariani is a leader in design, development and implementation of innovative solutions in the automated secondary packaging and end-of-line packaging processes.

Established in the market since 1960, today Mariani exports its products to over 45 countries worldwide. The Company initially expanded by producing packaging machines and plants for the dairy products sector. Subsequently, thanks to the experience and know-how acquired in this field, along with **constant research on new technologies** and continuous innovation, Mariani has diversified its line to cover other industries such as the food industry in general, as well as those for beverages, graphic designs, home detergents, beauty care products, pharmaceuticals and many other industrial sectors that increasingly demand packaging and palletizing systems. Mariani has continued to acquire new expertise that has made it one of the most **important and renowned producers in the world**.

The Company designs and constructs machines and plants in a context of constant innovation which can offer Mariani's clientele increasingly advanced, cutting-edge products that are high performing, reliable, and strategic in shaping **the future of packaging technologies**.

Mariani operates as a reliable partner for its clientele, and is a company that is able to contribute to the economic growth of society, maintaining harmony through **environmental sustainability** and the sense of civil responsibility.





We daily set new frontiers for our machines

The customer loyalty we have seen in our clients for over 50 years is a proof that they share our passion for essentials and an outstanding openness of mind expressed in the pursuit of innovation.

They recognize furthermore, our extraordinary ability to look beyond the objective limits, and our determination to place the operator before all else, to transform a challenge into an opportunity.

Throughout the years, innovation has always been the fulcrum of Mariani designs.

The underlying foundation of the Mariani innovation revolves around three main aspects: firstly, **flexibility**, followed by **reliability**. Both are necessary values that guarantee efficiency and performance (reduction of space for packaging installations and reliability of the ever flexible packaging lines).

Last but not least, is the **continual research** on technologies in order to offer excellent performances, without foregoing safety, practicality, ergonomics and environmental sustainability.

Given the many and continuous novelties in machines and devices, you are welcome to visit our website which will keep you informed. You will certainly not want to miss the next Mariani novelty!

Mariani: innovative packaging and palletizing solutions.





Mariani Sas

via Fondovilla 80

36010 CARRE' (VI) Italy

Tel. ++39 0445 808 222 - Fax ++39 0445 808 232

info@mariani-it.com - www.mariani-it.com

