

rotating palletizing robots cartesian robots
palletising solutions
pick-up head end-of-line technology
handling devices

Europack



PALLETISING SOLUTIONS

SINCE 1998 We make end-of-line
processes more efficient





SINCE **1998**

WE MAKE END-OF-LINE PROCESSES MORE EFFICIENT

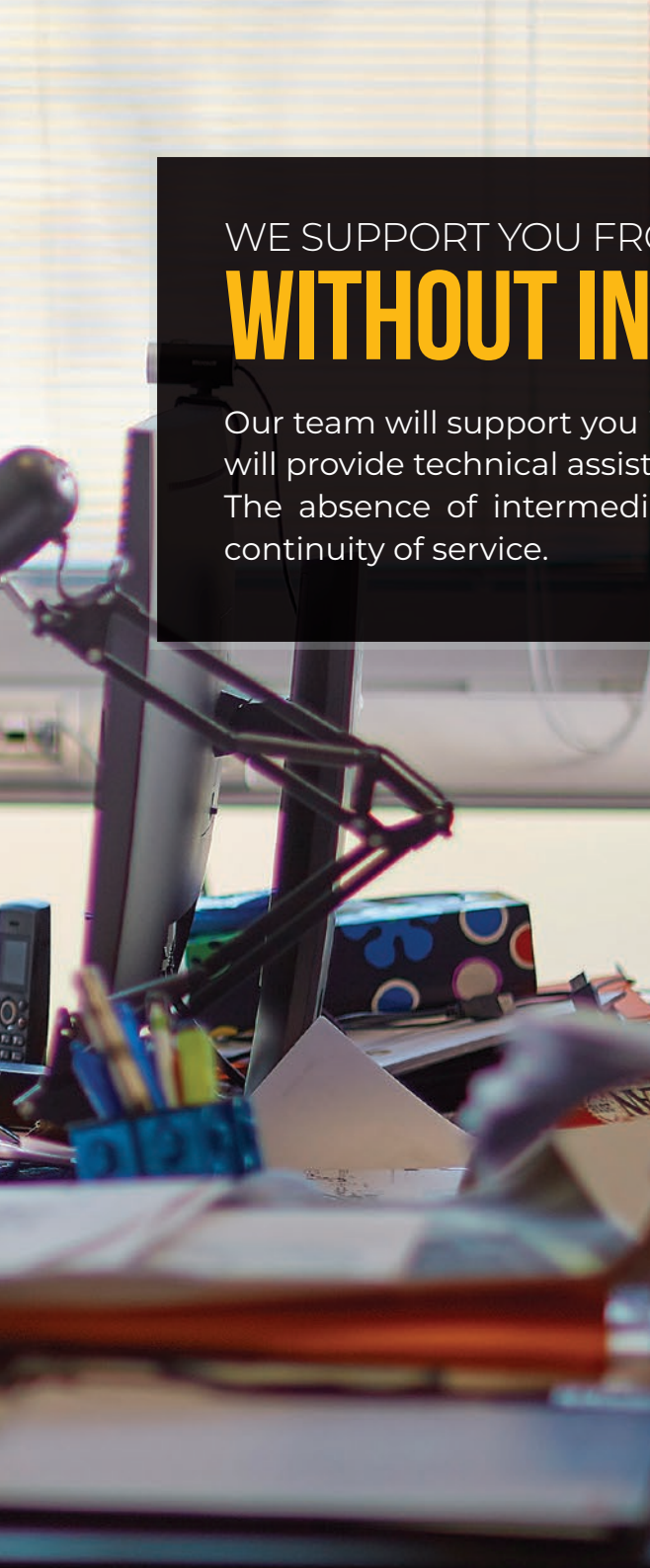
An entrepreneurial idea of 3 experienced technicians became a recognised reality in the field of industrial automation and robotics.

Initially focusing on the Italian market, the company quickly managed to expand abroad.

A team of experts and a customer-oriented service brought the company to a global presence, with at least one plant in more than 50 countries and an annual production of more than 100 lines.

We believe that our growth is closely related to the satisfaction of our customers, to the teamwork and the enhancement of each employee.





WE SUPPORT YOU FROM START TO FINISH

WITHOUT INTERMEDIARIES

Our team will support you in the design and installation of your system and will provide technical assistance and spare parts.

The absence of intermediaries allows more reactive response times and continuity of service.

WE DESIGN AND MANUFACTURE ROBOTIZED PALLETIZING PLANTS

We work together with companies during their growth process, providing innovative and technologically advanced end-of-line process automation.

Thanks to more than 25 years of experience we offer an accurate service, customised to your needs, fast and reliable, at a competitive price.



MISSION

We support the growth of companies by designing, manufacturing and marketing robotic palletizing systems, in full respect of the people and the territory in which the company is located.

VISION

To become a European reference point for the market of robotic palletizing systems.

We believe that our growth is closely linked to the satisfaction of our customers.

We take on new challenges every day, the continuous search for tailor-made solutions is the engine of our work.



INSTALLATION AND TESTING OF ALL SYSTEMS

We generate value for our customers:

Before being shipped, all systems are tested in Europack's headquarters.





IT'S NOT THE FIRST TIME FOR US

More than 25 years of experience in end-of-line automation, the installation of more than 1000 systems in different sectors and continuous listening to customer's needs have provided us with the know-how necessary help you find the best solution, avoiding design errors and waste of resources.

WE GUARANTEE QUALITY OVER TIME

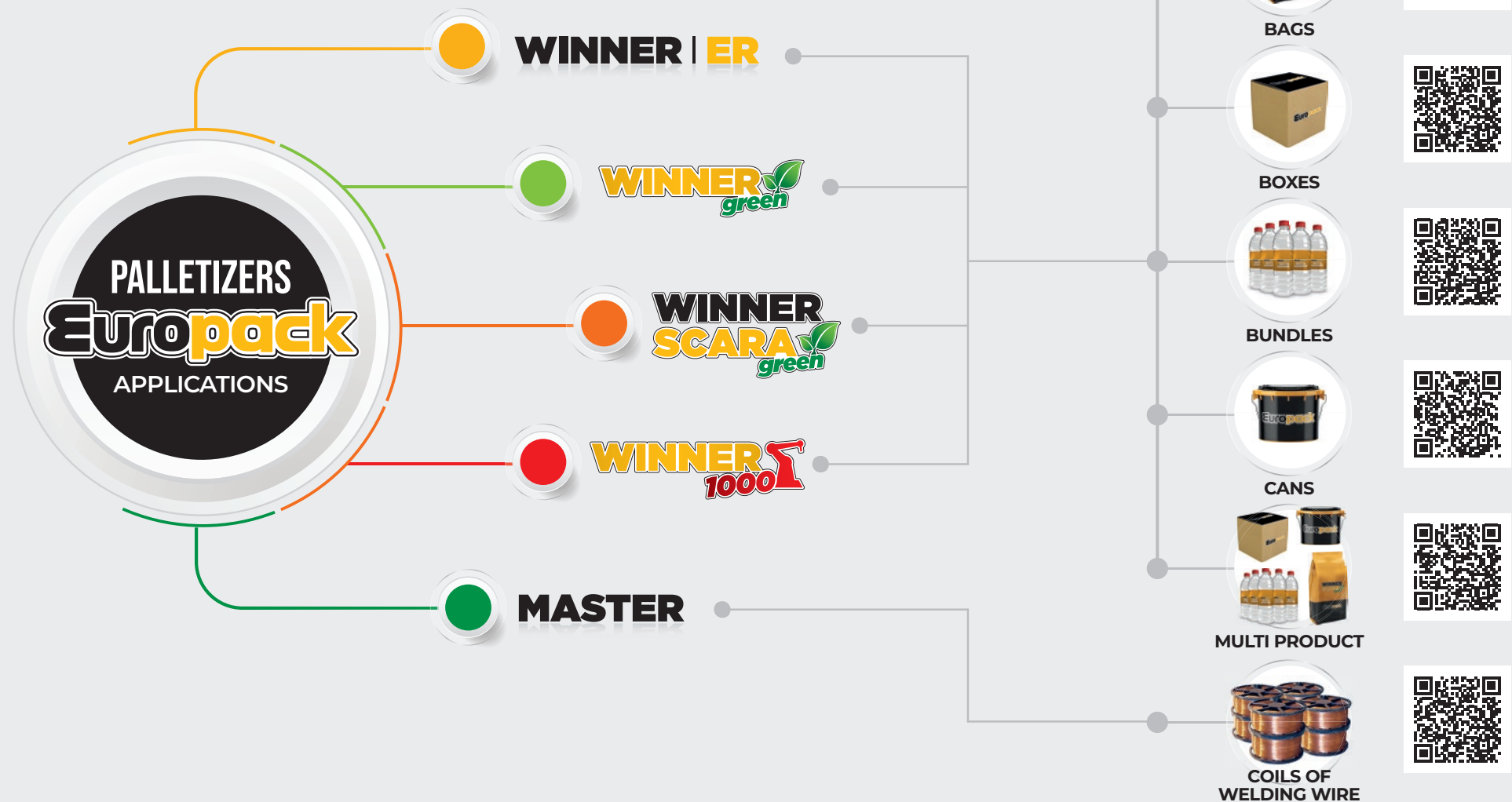
The careful selection of the best suppliers and components guarantees quality of our systems over time. Europack is still providing maintenance on some of the first plants produced.

OUR STRENGTHS

- Customization and Co-design of the system;
- Specialists in palletizing lines;
- High precision in product palletization;
- Quality Guarantee;
- On-time delivery 98%;
- Responsive service;
- Local service centers;

AUTOMATION AT YOUR SERVICE

For more than 25 years, Europack has been designing and manufacturing robotic palletising systems for handling packed products.

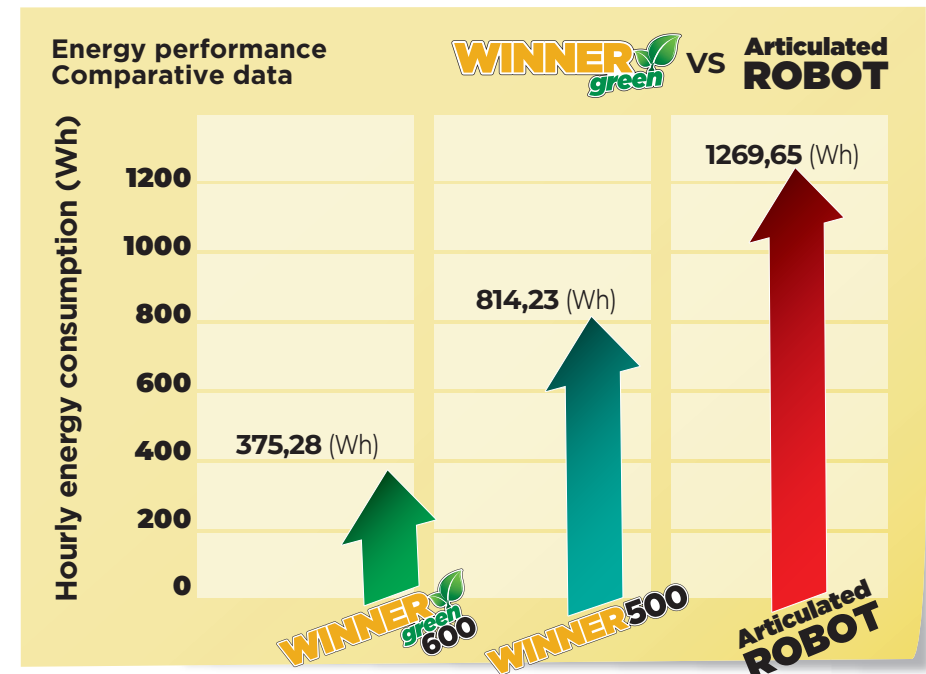


WINNER IS GREEN



WINNER Column ROBOTS feature an innovative system which, instead of dispersing kinetic energy in the form of heat during braking, allows it to be recovered in the form of electrical energy, which can again be used to power its electrical devices.

This system called **K.E.R.S** (Kinetic Energy Recovery System), known for its application in the world of F1 racing, is applied as a result of a technological design evolution, allowing a significant reduction in energy spent per palletising cycle.





LOOK AT ME



YouTube



Column Robot Palletizer with Rotary Arm

The ER line, equipped with asynchronous motors, represents the entry-level of our product range. The user-friendly interface makes them suitable for any production plant.

Model	Winner 250 ER	Winner 300 ER	Winner 400 ER	Winner 500 ER
Capacity cycle/hour	240÷300	300÷360	360÷420	420÷480
Handling packages/cycle	1 - 4	1 - 4	1 - 4	1 - 4
Max load	50 kg	50 kg	50 kg	50 kg
Drives	Inverter	Inverter	Inverter	Inverter
Absorbed power	1,2 kW	2 kW	2,5 kW	5 kW
Controlled axis	4	4	4	4
Served lines	1 - 2	1 - 2	1 - 2	1 - 2
Served pallets	1 - 2	1 - 2	1 - 2	1 - 2

- 4 axes of movement
- Up to 480 cycles/hour;
- Up to 2 feeding / palletizing served lines;
- High accuracy of palletization;
- Compact dimensions;
- Several products can be handled on the same plant;
- Up to -40% energy consumption;
- User-friendly interface;



Column Robot Palletizer with Rotary Arm

The GREEN line, thanks to its BRUSHLESS motors, is even more powerful and allows further energy savings.

Model	WinnerGreen 500	WinnerGreen 600
Capacity cycle/hour	400÷520	520÷640
Handling packages/cycle	1 - 4	1 - 4
Max load	50 kg	50 kg
Drives	Brushless	Brushless
Absorbed power	2 kW	4 kW
Controlled axis	4	4
Served lines	1 - 2	1 - 2
Served pallets	1 - 2	1 - 2

- 4 axes of movement
- Up to 640 cycles/hour;
- Up to 2 feeding / palletizing served lines;
- High accuracy of palletization;
- Compact dimensions;
- Several products can be handled on the same plant;
- Up to -70% energy consumption;
- User-friendly interface;



-70%
energy consumption

LOOK AT ME



YouTube



Column Robot Palletizer with Rotary Arm

WINNER 800 SCARA robot represents the most powerful column model of our production, thanks to the additional movement of a specific joint in the main arm.

Model	Winner Scara Green 800
Capacity cycle/hour	550÷720
Handling packages/cycle	1 - 4
Max load	50 kg
Drives	Brushless
Absorbed power	6 kW
Controlled axis	4
Served lines	1 - 2
Served pallets	1 - 2

- 4 axes of movement;
- Up to 720 cycles/hour;
- Up to 2 feeding / palletizing served lines;
- High precision of palletization;
- Compact dimensions;
- Several products can be handled on the same plant;
- User-friendly interface;

-70%
energy consumption





handling devices

end-of-line technology

palletising solutions

rotating palletizing robots

energy performances

pick-up head

Europack know-how meets leading brands in robotic manufacturing. Thanks to this partnership we achieve, with our own careful software programming and complementary components of our own production, high handling cycles.

Model	Winner 1000
Capacity cycle/hour	800÷1100
Handling packages/cycle	1 - 4
Max load	50 kg
Drives	Brushless
Absorbed power	8 kW
Controlled axis	4
Served lines	1 - 2
Served pallets	1 - 2

- 4 axes of movement;
- Up to 1100 cycles/h;
- Up to 50 kg of product handled;
- Up to 2 feeding/palletising served lines;
- Customisable robots and software;
- Several products can be handled on the same system;
- Wide working range and reachability;
- User-friendly interface;



MASTER

COILS FOR WELDING WIRE HANDLING



A complete line entirely dedicated to this specific product and its needs.

Our solution does not only concern palletization, but the supply of the complete line with the necessary machines which, starting from the bulk product, guarantee the entire packaging process.



The customer will only have to worry about feeding the line with the bulk product, while the line will:

- Take the coils from the pallet and deposit them on a suitable conveyor.
- Place the labels on the coils.
- Pack the coils with shrink-wrap.
- Box the coils.
- Apply the labels on the boxes.
- Palletize the boxes with a special electromagnetic head equipped with a counter-excitation device to ensure a demagnetizing effect on the product.
- Handling the empty and/or full pallets to ensure the correct function of the line.



Model	Master 250
Capacity cycle/hour	240÷300
Handling packages/cycle	1 - 4
Max load	100 kg
Drives	Inverter
Absorbed power	3 kW
Controlled axis	2
Served lines	1 or more lines
Served pallets	1 or more pallets



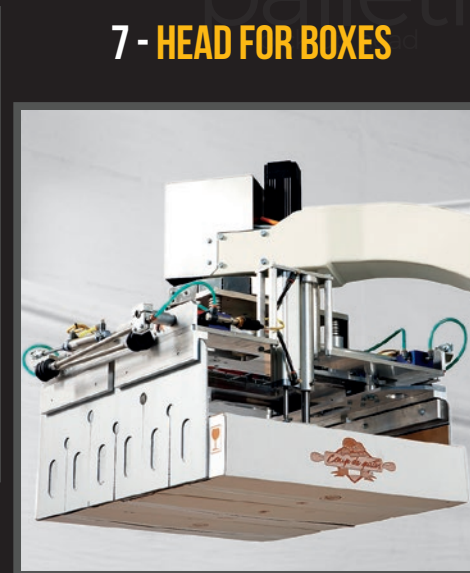
1 - HEAD FOR BAGS



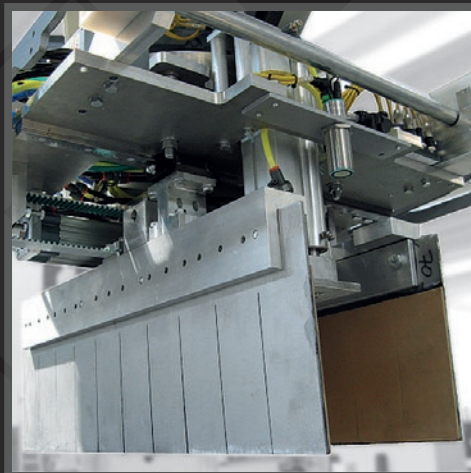
3 - HEAD FOR CANS



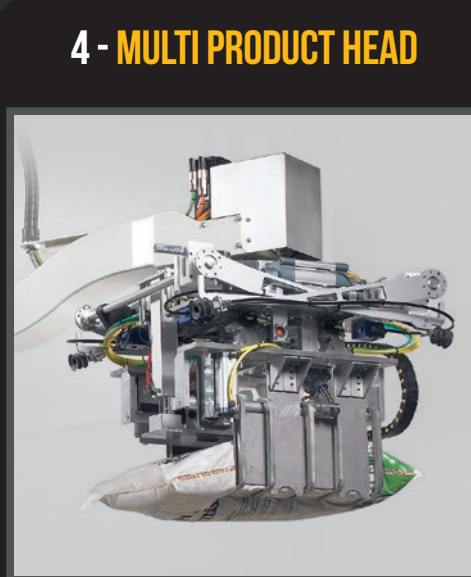
5 - HEAD FOR BOXES



7 - HEAD FOR BOXES



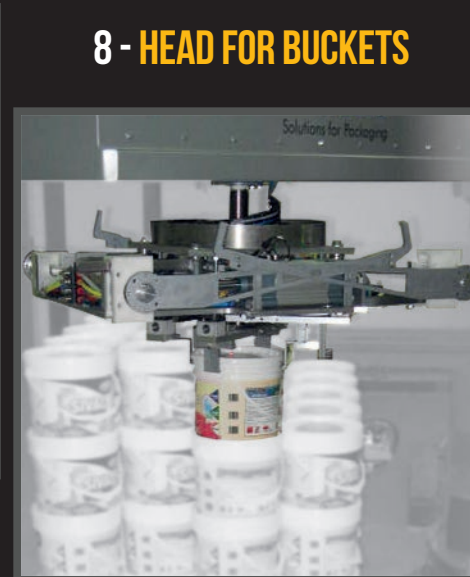
2 - HEAD FOR BOXES



4 - MULTI PRODUCT HEAD



6 - MULTI PRODUCT HEAD



8 - HEAD FOR BUCKETS

PICK UP HEAD

- 1 Head for bags with devices suitable for their handling
- 2-5 Head for boxes with devices suitable for their handling
- 3-8 Head for handling bins/buckets
- 4-6 Multi-product head for combined handling of bags and boxes
- 7 Head for single or multiple picking of boxes

EUROPACK KNOW-HOW

The gripping heads are the flagship of Europack technology, they are customised according to the specifications of the products to be handled, to guarantee the maximum quality in palletising.



HANDLING DEVICES



CUSTOMIZATION AND CO-DESIGN

We design the plant on the specific requests of the customer, adapting it to the layout and features of the production line. We can customize the plant both at hardware and software level, allowing a multi-product and multidimensional palletization.

QUALITY GUARANTEE

We select only market leading suppliers and components of the highest quality, to ensure reliability and solidity to our systems over time. Before being shipped to the customer, all systems are assembled and tested internally, to ensure compliance with customer requirement.

We manage all processes internally: design, production, assembly and after-sales.

PRODUCT HANDLING

Depending on the type of product to be handled and the plant layout, we can supply any type of roller, belt and chain conveyor suitable for transferring packages while maintaining their integrity.

PRODUCT PREPARATION

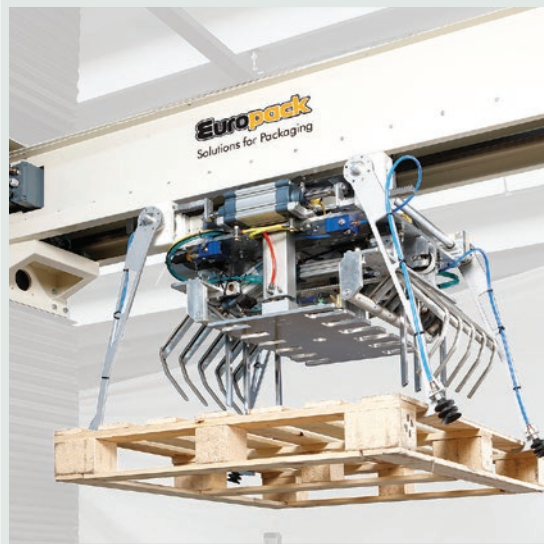
Depending on the type of product to be handled, the plant layout and the palletising pattern, the plants are equipped with deviation, stopping and levelling devices to allow proper preparation of the product before palletising.

PALLET HANDLING

Any type of pallet can be handled by our transport lines; depending on the plant layout, we can supply any type of roller or chain conveyor to handle empty and/or full pallets.



AUTOMATED LINES DEVICES



EMPTY PALLET PICK-UP DEVICE

Any type of empty pallet can be handled by our systems. The empty pallet pick-up device installed on the product pick-up head allows for adequate plant autonomy.



EMPTY PALLET DISPENSER

Any type of empty pallet can be handled by our systems. The empty pallets dispenser allows adequate plant autonomy and a higher productivity.



INTER-LAYER HANDLING

Cardboard and/or plastic interlayers are handled by a special device installed on the product gripping head; the management software system allows you to choose how many interlayers to use for each type of product and/or pallet.

PRODUCTION MANAGEMENT **HARDWARE AND SOFTWARE**

- “WINNER CONTROL EP20” or “Siemens PLC 1500 series” robot control and plant management unit, with innovative functions dedicated to palletising.
- Compact and versatile equipment and operating interface with 7” WideScreen or TP900 comfort colour touch panel.
- Free management of palletising schemes customisable by the customer.
- Backup and Restore to guarantee the archiving of all control unit data.
- Two password levels to protect parameter management functions.
- Customisable dynamic robot management: the operator has the possibility of modifying the robot’s speeds and accelerations/decelerations under various operating conditions.
- Automatic robot speed adjustment: depending on the production rate, the robot self-adjusts its movement speed with an overall reduction in energy consumption and less stress on the robot.
- Suspension of operation: operational stop functions (30” standby) are activated in the event of a lack of product to be palletised, resulting in an overall reduction in energy consumption.
- Maintenance assistance: at regular intervals the robot’s maintenance activities are indicated directly on the display according to the number of cycles performed.
- Production report: a daily production report specific to each palletising programme and each production line is displayed on the operator panel. The customer can check the number of pallets and the number of cycles performed daily by the robot.
- Ethernet interface: Ethernet communication port available to the customer.





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