



Europack

PALLETISING SOLUTIONS

PALLETISING
SOLUTIONS

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Welcome to **our Company**

For nearly 30 years, **Europack** has been supporting business growth by designing, manufacturing, and installing robotic palletising systems, with full respect for people and the local environment in which the company operates.

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We enhance the efficiency of end-of-line processes



In 1998, three experts with solid experience in the palletising sector founded **Europack** with a clear vision: to bring innovation and reliability to the field of industrial automation and robotics.

Starting from the Italian market, team expertise and strong customer focus enabled rapid international expansion. Today, this is evidenced by over **1,500 active systems in more than 50 countries** and an annual production exceeding 100 palletising lines.

We make end-of-line processes more efficient.

This is our mission.

With a team of over 30 dedicated professionals, we develop tailor-made solutions that concretely address our clients' specific needs.

Our **high-quality standards** include thorough testing of each system using the customer's actual products, followed by qualified on-site installation.

With nearly **30 years of experience**, Europack offers a complete and customized service characterized by speed and reliability. Our commitment to customers is further demonstrated by an efficient spare parts supply service and specialized technical support on a global scale.

2023 marked a key milestone in our history:

Europack **became part of the Technipes S.r.l. Group**, a leader in complete bagging lines.

This strategic synergy combines our expertise with Technipes' innovative strength, enhancing our ability to offer **cutting-edge solutions** and more comprehensive support to optimize end-of-line operations.

Automation at Your Service

Europack
palletising solutions

PALLETISING
Europack
APPLICATIONS

For nearly 30 years, Europack has been designing and manufacturing robotic palletising systems for the handling of pre-packaged products.



BAGS



BOXES



BUNDLES



CANS



MULTIPRODUCTS



**COILS OF
WELDING WIRE**



Winner **Revo**

The **new Revo series** of Europack robots, in addition to the KERS (Kinetic Energy Recovery System) already featured in the previous series, introduces **new SEW control drives**.

These enable even smoother and more efficient motion, further reducing energy consumption while increasing production capacity.

- Payload **from 5 to 50 kg**
- 4 servo-controlled axes
- New control system: **Sipro EP30** or **Siemens PLC Series 1500**
- Fully customizable palletising patterns configurable by the customer
- Production reporting
- Automatic robot speed adjustment based on production throughput
- Compact footprint
- **Up to 50% lower energy consumption** compared to an anthropomorphic robot
- Unmatched quality of the finished pallet





Selected Suppliers and
High-Quality Components



Up to 720 cycles
per hour



Handles up to 50
kg per product



User-friendly
interface



In-house assembly
and testing



**Winner
251 REVO**

**Winner
301 REVO**

**Winner
401 REVO**

**Winner
501 REVO**

**Winner
601 REVO**

**Winner
801 REVO**

	Winner 251 REVO	Winner 301 REVO	Winner 401 REVO	Winner 501 REVO	Winner 601 REVO	Winner 801 REVO
Capacity cycle/hour (bags)	310	370	430	550	670	720
Capacity cycle/hour (boxes)*	265	300	350	430	490	520
Power Consumption	1,2 kW	2 kW	2,5 kW	2 kW	4 kW	4 kW
Motor Type	Asynchronous	Asynchronous	Asynchronous	Brushless	Brushless	Brushless

* Boxes can be handled in multi-picking mode where possible; total capacity must therefore be calculated by multiplying the number of boxes per layer by the number of cycles per layer.

Example: Winner 601 Revo with 12 boxes per layer; 3 cycles to complete one layer.

Total capacity = $(12 / 3) \times 490 = 1,960$ boxes/hour.

Note The stated cycle rates refer to continuous operation and do not include downtime (pallet changeover, slip sheet placement, etc.) and assume an optimized layout.

Anthropomorphic **Robot**

The **Winner 1000** anthropomorphic robot has been part of the Europack product range for over 10 years, introduced in response to growing market demand for higher performance.

Thanks to a **strategic partnership with ABB**, we integrate the proven IRB660 robotic arm with our custom-designed gripper heads tailored to each customer's specific needs, and one of the most advanced control software systems in the palletising sector—developed through nearly 30 years of field experience.

This synergy ensures **exceptional performance** in both productivity and pallet quality.

Moreover, the Winner 1000 is the fastest in its class, thanks to optimized drive systems and ABB QuickMove™ technology.

- Payload **from 5 to 50 kg**
- 4 servo-controlled axes
- **Siemens PLC** Series 1500 with 9" HMI
- Fully customizable palletising patterns configurable by the customer
- Production reporting
- **Automatic robot speed adjustment** based on production rate
- Compact footprint
- Outstanding finished pallet quality



Winner 1000

Capacity cycle/hour (bags)	1200
Capacity cycle/hour (boxes)*	720
Power Consumption	8 kW
Motor Type	Brushless



Selected Suppliers and High-Quality Components



Up to 1200 cycles per hour



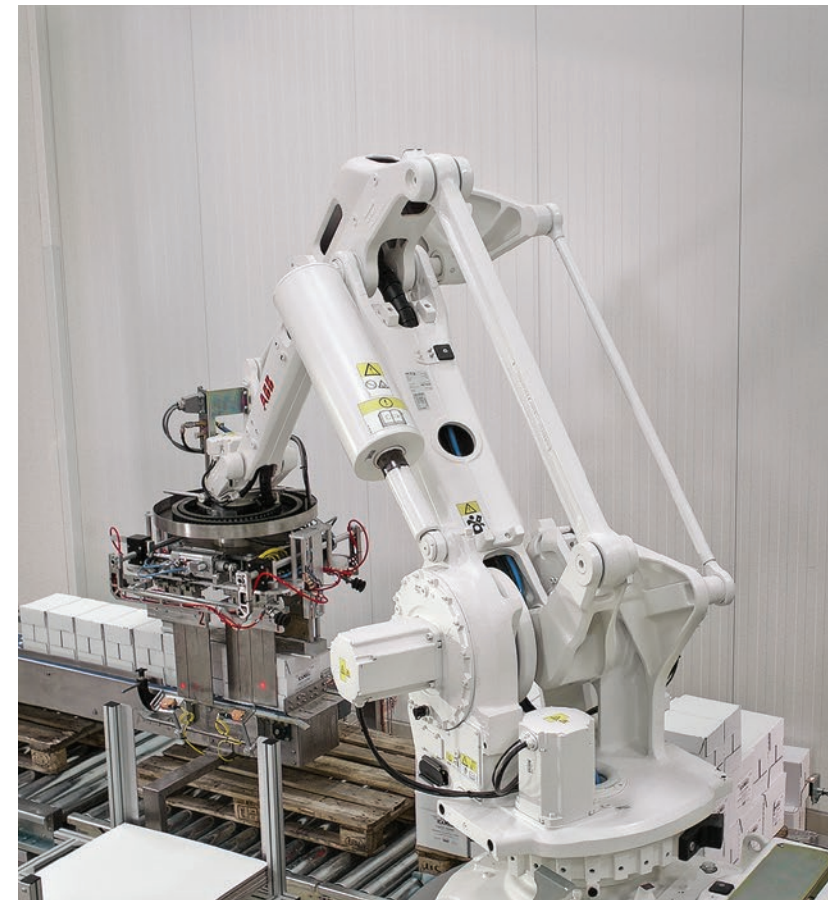
Handles up to 50 kg per product



User-friendly interface



In-house assembly and testing



* Boxes can be handled in multi-picking mode where applicable. In this case, the effective capacity must be calculated by multiplying the number of boxes per layer by the number of cycles per layer.

Example: Winner 1000 with 12 boxes per layer; 3 cycles to complete one layer.

Total capacity = $(12 / 3) \times 720 = 2,880$ boxes/hour.

Note The stated performance figures refer to continuous production and exclude downtime (e.g., pallet changeover, slip sheet placement, etc.) and assume an optimized layout.

Gripper Heads

The core of our systems, Europack gripper heads are custom-designed for each product, ensuring top-tier palletising quality.

Manufactured with high-grade materials such as aluminum and stainless steel, they guarantee safe and precise product handling.

Equipped with fully synchronized systems for bag handling to ensure controlled release, they also feature a top press plate for **delicate and accurate product placement on the pallet**. Safety is a priority, with an integrated collision-stop device.

- **Fork Gripper Head**

For bags ranging from 5 to 50 kg, with dedicated devices for their safe and efficient handling

- **Clamp Gripper Head**

For boxes and shrink-wrapped bundles, with multi-pick capability

- **Multi-Product Gripper Head**

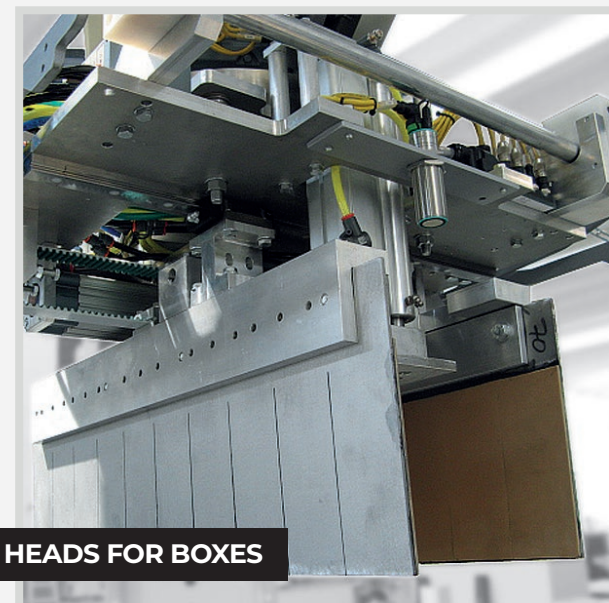
For combined handling of both bags and boxes

- **Special Gripper Head**

Custom-designed for cans, drums, pails, and reels, tailored to the specific characteristics of the product being handled



HEADS FOR BAGS



HEADS FOR BOXES



HEADS FOR CANS



HEADS FOR BAGS



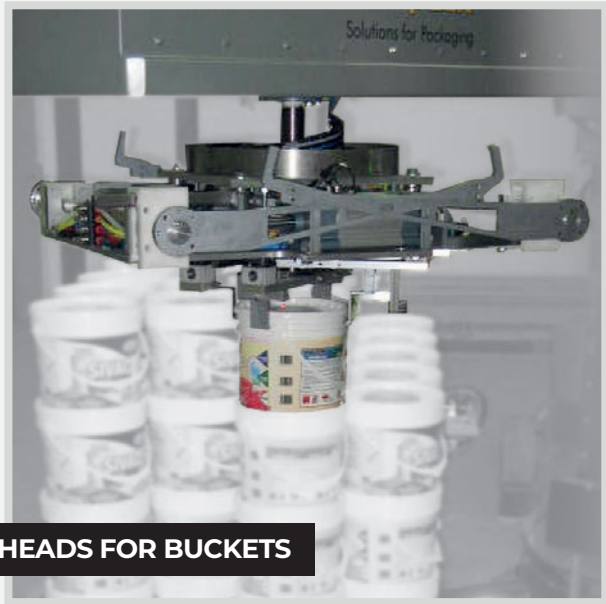
HEADS FOR BOXES



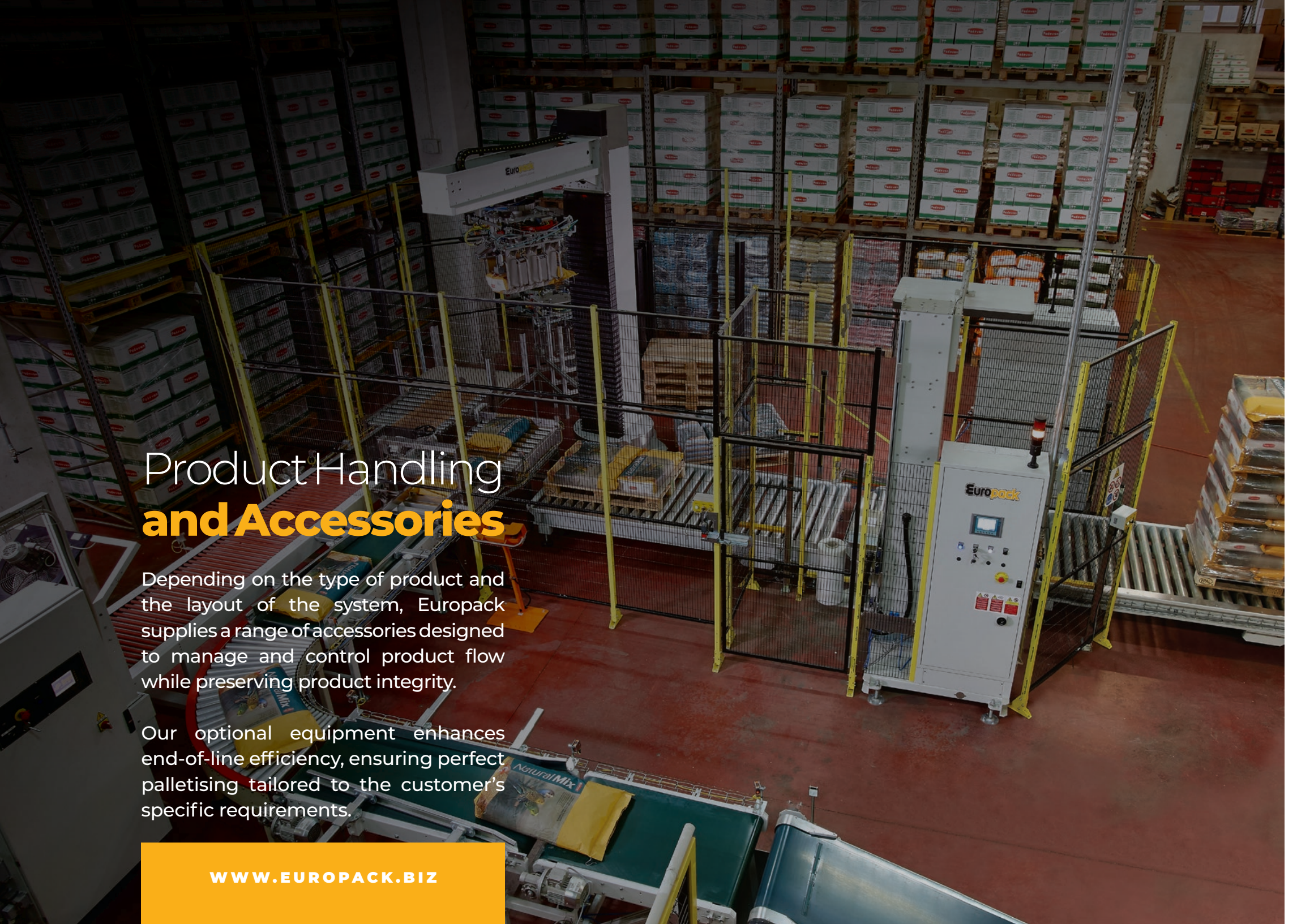
HEADS FOR COILS



MULTI PRODUCT HEADS



HEADS FOR BUCKETS



Product Handling and Accessories

Depending on the type of product and the layout of the system, Europack supplies a range of accessories designed to manage and control product flow while preserving product integrity.

Our optional equipment enhances end-of-line efficiency, ensuring perfect palletising tailored to the customer's specific requirements.

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Empty Pallet Pick-Up Device

This **system, integrated into the robot's gripper head**, autonomously handles all types of empty pallets.

The four-arm pick-up unit, equipped with electro-pneumatic and gear mechanisms, performs pallet **picking and placement according to the programmed cycle**.

The metal frame includes a sensor to detect pallet depletion.



Interlayer Handling

A dedicated device **handles cardboard or plastic interlayers**. The software allows users to select the number of interlayers per product/pallet.

The picking unit features an aluminum frame and an electro-pneumatic mobile system for programmed pick-up and release.

Vacuum suction cups and venturi generators ensure secure gripping. The metal structure is equipped with a sensor to signal when interlayers run out.



Palletising Compactor

Europack's **Smart Layer** is an **innovative solution for the automatic compaction** of bags, fully integrable with Europack's palletising robots.

It optimizes end-of-line processes by ensuring stable, secure pallets through uniform pressing, eliminating gaps and protecting the contents.

When paired with the Revo series, it further enhances performance, reflecting Europack's commitment to efficiency and safety in palletising.

Europack Control System (ECS)

An intuitive and intelligent interface

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rotating palletizing robots

cartesian handling

palletising solutions

end-of-line technology

handling device

pick-up head



It is the control and management software for Europack robots, the result of nearly 30 years of experience in palletising and the technological core of our systems.

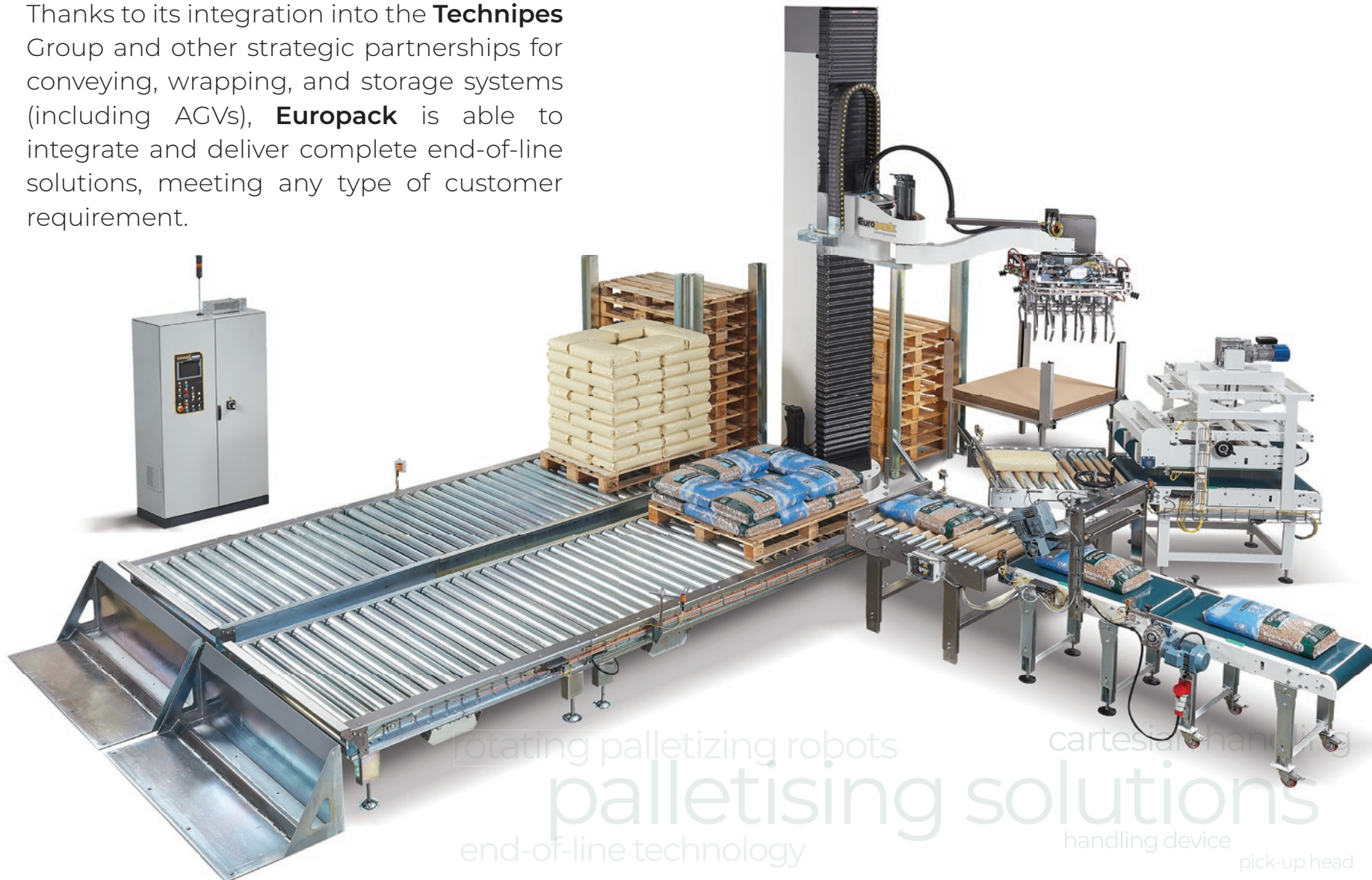
Every day, a dedicated team of developers works full-time to create applications that meet all customer needs, continuously seeking new solutions and optimizing both robot performance and energy consumption.

Key features include:

- Simplified product parameter management through **editable recipes**
- Easy, guided configuration of palletising patterns via **graphical visualization**
- Automatic generation of mirrored layers, significantly reducing operator workload
- Production **statistics reports** displayed directly on screen
- Multi-level password management
- 13 preloaded languages, with easy language switching
- **Automatic robot speed adjustment** based on production rate (with standby mode activated after 30 seconds of product absence), for improved energy efficiency
- Predictive maintenance alerts communicated to the operator via the interface.

Turnkey End-of-Line **Solutions**

Thanks to its integration into the **Technipes** Group and other strategic partnerships for conveying, wrapping, and storage systems (including AGVs), **Europack** is able to integrate and deliver complete end-of-line solutions, meeting any type of customer requirement.



Customization **and Co-design**

We design systems based on the specific requirements of each customer, adapting them to the layout and characteristics of the production line. We provide **full customization, both hardware and software**, enabling multi-product and multi-size palletising.

Quality **Assurance**

We select only market-leading suppliers and use high-quality components to ensure the long-term reliability and durability of our systems. Before shipment, **all systems are assembled and fully tested in-house**, ensuring they meet the customer's exact specifications.

Product **Handling**

Depending on the type of product to be handled and the system layout, **we supply all types of roller, belt, and conveyor systems** suitable for transferring packaged goods while preserving their integrity.

Product **Preparation**

Based on the product type, plant layout, and palletising pattern (mosaic), systems are equipped with diverters, stoppers, and flattening devices to ensure **proper product alignment and positioning before palletising**.

Pallet **Handling**

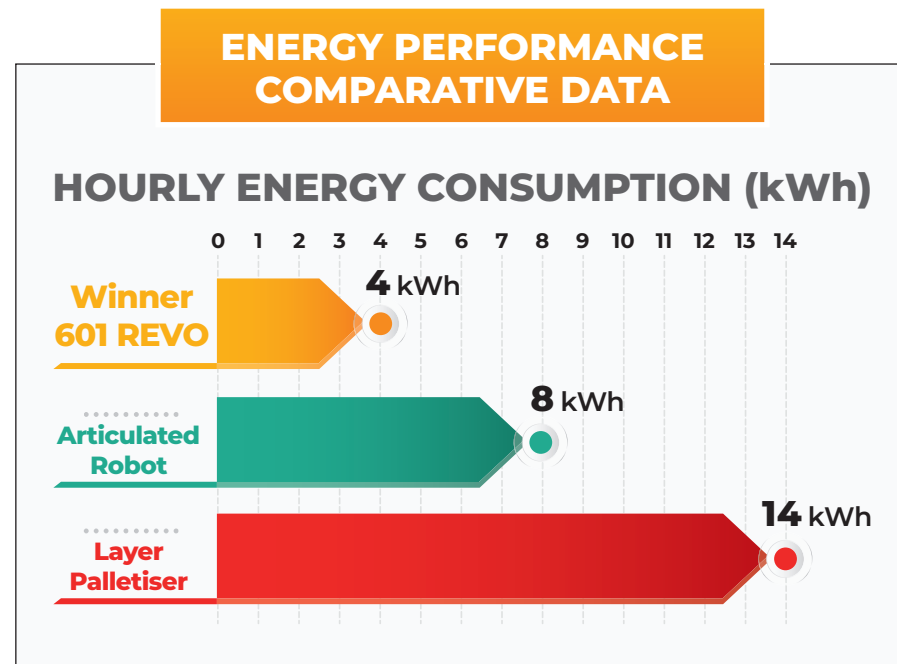
Our conveyor lines can handle any type of pallet. Depending on the system layout, we can supply a full range of roller or chain conveyors for the management of both empty and full pallets.

Why Choose a **Europack Robot**?

KERS Technology **Advanced Energy Efficiency**

Thanks to the innovative **KERS** (Kinetic Energy Recovery System), Winner robots recover kinetic energy in the form of heat during braking phases.

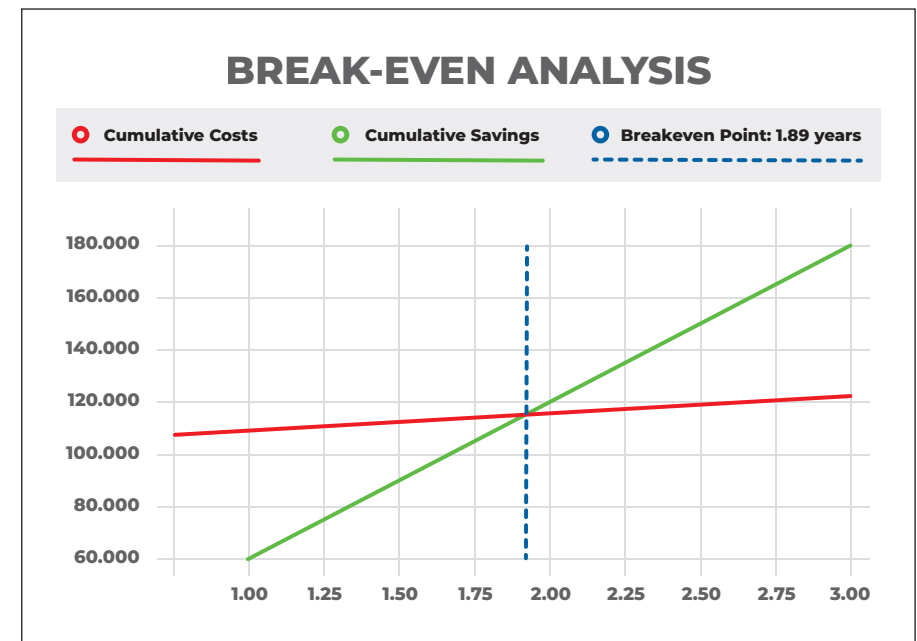
Combined with the **new SEW control drives**, this results in a significant reduction in energy consumption per palletising cycle, delivering both operational cost savings and a positive environmental impact.



Comparison based on 25 kg bags at a production rate of 600 bags/hour

Guaranteed Return on Investment (ROI)

Example	Winner 601 Revo operating 16 hours/day at 600 cycles/hour
Initial investment	100.000€
Operating costs (spare parts + energy)	7.000€/year
Labor savings 1 person per shift × 2 shifts	60.000€/year
Breakeven	1,89 years



Winner Revo vs **Other Robots**

	Winner REVO	Articulated Robot	Layer Palletiser
Exclusively designed for palletising	✓	✗	✓
Compact footprint	✓	✓	✗
Flexible and fully customizable	✓	✓	✗
Energy recovery system (KERS)	✓	✗	✗
Intuitive user interface	✓	✗	✗
ROI < 2 years	✓	✗	✗
Direct contact with the manufacturer	✓	✗	✓
Ideal for medium-to-low production rates	✓	✗	✗
Upgradeable configuration	✓	✓	✗

Nearly 30 years of experience at your service

Tailor-made solutions for every requirement

High-level precision

Long-lasting quality



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rotating palletizing robots
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pick-up head
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