

# ES-PALLETIZING CELL WITH PALLETIZING ROBOT

Palletizing robot is a comprehensive and efficient solution, adapter to handle challenging processes in a Warehouse and factory.

## LEVEL-UP YOUR PRODUCTION LOGISTICS

Automation of palletizing process using cells with palletizing robots is a competitive solution ready to meet the demands set by production and logistics companies, such as:

- optimization of production costs,
- increased efficiency,
- greater production flexibility,
- limited human resources.

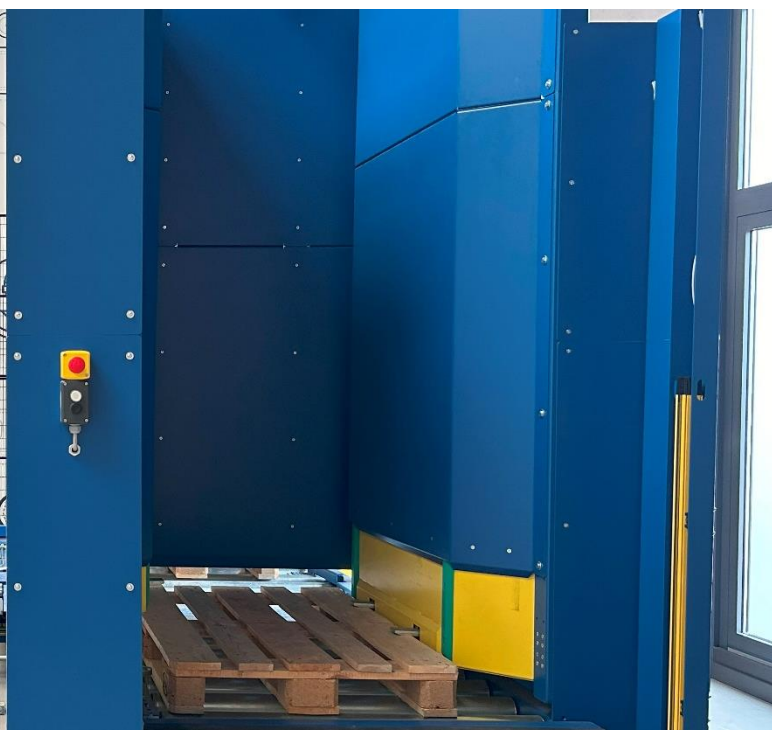
Palletizing Robots increase the safety of products in the palletising process, eliminate the possibility of mistakes as well as improve the working conditions and comfort of employees, while ensuring the continuity of the production process.

Through innovative solutions, such as an intuitive and easy-to-use creator of palletizing patterns, the system allows for quick configuration and implementation of a new type of palletized assortment, responding to the new needs of the market and consumers.



## TECHNICAL DATA

- Palletization of cardboard packages weighing: up to 25 kg
- Griper two sections - possibility to take two cardboard packages with load of 50 kg: 2x25=50 kg.
- Moving a total weight exceeding 50 kg after verification by the technical department
- High flexibility (adaptability to the production zone)
- Possibility of simultaneous palletization of products supplied from one or two production lines
- Compact cell dimensions
- Possibility of configuration into central palletizing systems
- Supported pallet types: INDU, EURO
- Automated storage of empty pallets ES-Pal: 15 pcs.
- Working environment: dry, between 5-40 °C
- Dividers warehouse

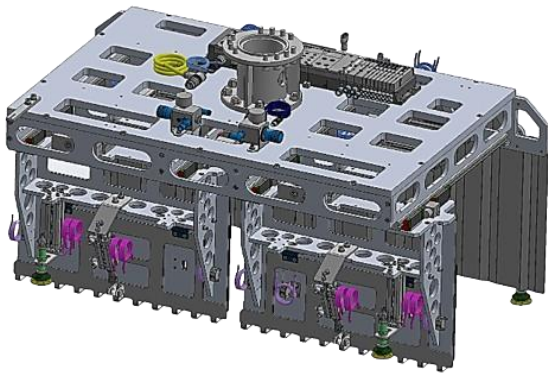






## CONFIGURATION

Type of palletising cell	ES PALLETIZING
Possibility of layering dividers	✓
Configurable gripper	✓
Automated storage of empty pallets ES-Pal	✓
Pallet pattern creator	✓
Application ES WCS	✓
Possibility of series expansion for central palletising	✓
Height of pallet conveyor (mm)	400 - 500
System dimensions (mm)	3700x6800x4600



## TYPES OF GRIPPERS

### Mechanical clamping grippers

Boxes are picked up by clamping them mechanically. Possibility to divide the gripper into independently operating zones. It has a rake protection to prevent the cardboard from sliding out.

### Grippers with suction cups

Gripper for picking up dividers.

### Grippers without suction cups

Gripper that does not pick up the dividers.

Palletising Robot can be integrated into any existing production system. Palletisation is a final stage of the production process and preparation for the storage of goods and their further distribution. It occurs in all industries, especially in Retail, FMCG, E-commerce, 3PL – contract logistics. The advantages of the palletising system include the adaptation of the machinery to the production challenges, the minimisation of expenses and a quick return on investment. Operation of the robot is extremely simple and is performed via an intuitive interface. High flexibility of palletiser comes from the use of a manipulator and a pallet pattern generator. All-purpose gripper allows palletisation of cargo of varying formats and weights. The system can be provided with a pallet divider storage to enable layering paper dividers in the palletising cycle. Efficiency of the Palletising Robot and the range of movements performed is customised.



## ALL-PURPOSE SOFTWARE FOR ROBOTIC SOLUTIONS

Europa Systems offers versatile management software – a platform integrating various robotics solutions along with web access – that is a digital twin in visual form to enable remote mobile control from anywhere within the Wi-Fi range.

### ES WCS Features:

- Pallet pattern generator (grippers, pallet patterns, dividers)
- Customisable controls
- Diagnostics (graphical states, signals, alarms, notifications)
- Multi-level access system
- Additional modules (service control, maintenance)
- Reporting (PDF, Excel, CSV, TXT)
- Multiple types of communication – integrity with different MES / ERP systems
- WEB version - Application

### EUROPA SYSTEMS

Żabów 76B, 74-200 Pyrzyce, Polska

T: +48 91 579 03 50

[sales@europasystems.com](mailto:sales@europasystems.com)

[www.europasystems.com](http://www.europasystems.com)