EasyPalletStation

Modular dual-pallet architecture for cobots, industrial robots and mobile automation

A robust, floor-anchored palletizing platform that combines one or two pallet stations with the pedestal, robot and safety concept best suited to the application.

- Compatible with 99% of modern cobots
- Many industrial robots
- Configurable for mobile robots / AMRs

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ORDER THE ROBOT ADAPTER PLATE

Select the robot model in the EasyRobotics configurator and order the matching adapter plate separately. If no standard interface fits, a custom plate can be engineered.

Built for stable, repeatable palletizing

High-mass steel modules create a defined reference for pallet placement, robot reach and repeatable end-of-line handling.

STRUCTURAL PLATFORM

160 kg

EPS-1000 dual-station set without pedestal

220 kg

EPS-1000 with standard pedestal

950 mm

Standard fixed pedestal height

Floor anchored

Required for production use

ROBUSTNESS ARCHITECTURE

1 **Rigid steel structure**

The robust frame resists movement and provides a repeatable mechanical datum.

2 **Open pallet access**

The low station height allows straightforward pallet exchange by pallet truck or forklift.

3 **Flexible pallet geometry**

Adjustable positioning supports common pallet standards from EUR to GMA and APAC.

4 **Modular pedestal interface**

Use the standard fixed pedestal or engineer a different pedestal, lifting column or mobile robot interface.

Dual-pallet flow keeps the process moving

With two pallet positions, the robot can continue on one side while the completed pallet is exchanged on the other.

01 Load

Present cartons, boxes or workpieces from the conveyor or upstream process.

02 Palletize

The robot builds the selected pattern on the active pallet.

03 Exchange

Remove the completed pallet and place an empty pallet at the idle side.

04 Switch

The robot changes side and production continues with minimal waiting.

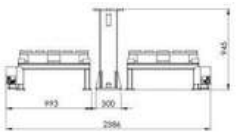
Supported pallet formats

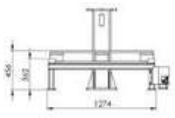
GMA	1219 x 1016 mm
EUR 1	1200 x 800 mm
EUR 3	1200 x 1000 mm
GLOB	1067 x 1067 mm
APAC	1100 x 1100 mm
AUS	1165 x 1165 mm

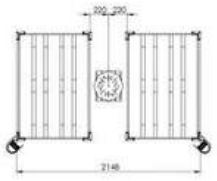
PALLET FORMAT FLEXIBILITY

Operational benefits

- One or two pallet positions
- Good operator and forklift access
- Fast changeover between left and right
- No compressed-air requirement
- Pallet detection is project-specific







Pallet-present sensors are not included as standard. Add detection and interlocks when required by the risk assessment or process sequence.

One platform. Multiple robot architectures.

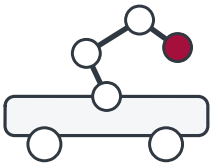
The mechanical station can be configured around the robot, reach envelope, payload, plant logistics and required safety concept.

Collaborative robots

Designed for 99% of modern cobots. Validate reach, base load, tool and pallet geometry.

Industrial robots

Many compact and medium industrial robots can be integrated after engineering review of mass, moments, dynamics and guarding.



Mobile robots and AMRs

The station can be adapted to different mobile robots, AMRs, AGVs or mobile manipulators with project-specific docking, height and handover interfaces.

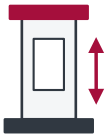
PEDESTAL ARCHITECTURE

Standard fixed pedestal

950 mm

Alternative fixed height

Project-specific



Lifting column

For variable stack height

Mobile robot interface

Custom dock / handover

Do not omit the adapter plate.

Select the exact robot model in the online configurator. The plate is ordered separately; a custom interface can be engineered when required.

ROBOT SELECTION CHECK

Reach | payload | base moments | mounting pattern | pallet envelope | safety concept

Configure the station around the process

Start with a single pallet module or specify the complete dual-pallet set with a central pedestal.

EPS-1000 | Dual-pallet set

1 x fixed pedestal, 2 x pallet stations

Station module	1274 x 874 x 362 mm
Configured weight	220 kg
Pedestal height	950 mm
Pallet positions	2
Best for	Continuous left/right palletizing

EPS-1001 | Single pallet station

1 x pallet station, without pedestal

Station module	1274 x 993 x 362 mm
Module weight	Confirm in quotation
Pedestal	Not included
Pallet positions	1
Best for	Custom layouts and staged expansion

TYPICAL BUILD-UPS

1. **Single station + existing robot**
2. **Dual station + fixed pedestal**
3. **Dual station + lifting column**
4. **Station + mobile robot logistics**

Overall installed envelope depends on pallet format, pedestal, robot, guarding and safety devices.

Options and engineered integration

Combine published options with project-specific engineering to match the robot, factory layout and safety strategy.

PUBLISHED OPTION

SC-1000 | Safety Scanner Cover

Mechanical cover for the selected scanner arrangement. Scanner hardware and safety programming are application-specific.

Robot adapter plate | Configurator item

Select the robot-specific plate separately. A custom plate is available when the standard interface does not fit.

ENGINEERED OPTIONS

1 Alternative pedestal

Fixed height, lifting column or customer pedestal.

2 Mobile robot adaptation

AMR / AGV docking, mechanical handover and height matching.

3 Pallet detection

Sensors, confirmation logic and interlocks.

4 Conveyor integration

Infeed height, pick position and control handshake.

5 Custom pallet geometry

Stops, guides and frames for the selected pallet or load carrier.

6 Industrial robot package

Robot console, adapter, anchoring and safety concept.

CONFIGURATION PRINCIPLE

Robot › **Adapter plate** › Pedestal › Pallet station › Safety concept

Options may require project engineering, safety validation and a separate quotation.

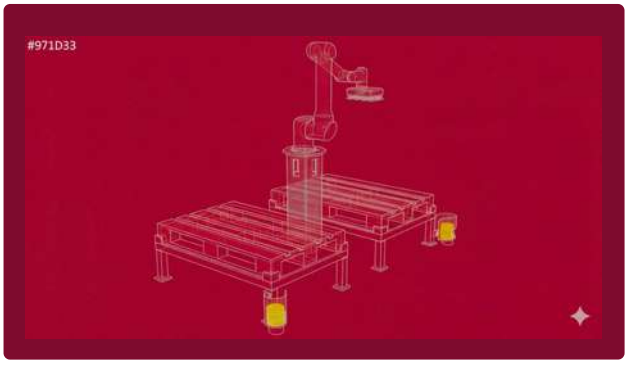
Install for stability. Validate the complete cell.

The platform is one component of the automation system. Final safety and conformity depend on the complete application.

1. **Verify layout and floor**
   Check pallet access, robot reach, concrete quality and safety distances.
2. **Anchor the stations and pedestal**
   Use floor anchors suited to the substrate and expected loads.
3. **Install adapter plate and robot**
   Follow the robot manufacturer's mounting requirements.
4. **Set pallet positions**
   Configure stops and clearances for the selected pallet standards.
5. **Integrate process and safety**
   Connect conveyor, gripper, scanner or guard system and cell control.
6. **Validate before production**
   Complete risk assessment, stop-time tests, reach review and functional validation.

Technical summary

Pallet positions	EPS-1000: 2 | EPS-1001: 1
Floor anchoring	Required
Teach pendant mounting	Flexible - base or floor
Pallet sensors	Not included as standard
Controller enclosure	Not included
Compressed air	Not required
Standard interface	None
Robot compatibility	99% of modern cobots; many industrial robots after validation



The station does not constitute a complete CE-marked robot cell. The integrator is responsible for the final risk assessment, guarding, safety performance and conformity of the complete machinery.

Ordering overview

Published product references and the separately required robot interface.

Order no.	Product / configuration	Scope
EPS-1000	EasyPalletStation dual-pallet set	L: 1274 mm W: 874 mm H: 362 mm |1 fixed 950 mm pedestal + 2 pallet stations
EPS-1001	EasyPalletStation single module	L: 1274 mm W: 993 mm H: 362 mm | 1 pallet station, no pedestal
SC-1000	Safety Scanner Cover	Optional mechanical cover
Configurator item	Robot-specific adapter plate	Must be selected and ordered separately
Quotation / engineering	Alternative pedestal, mobile robot interface, sensors and custom integration	Project-specific scope

REMEMBER THE ADAPTER PLATE

Select the exact robot model in the EasyRobotics configurator. The adapter plate is not assumed to be included unless stated in the quotation. A custom interface can be engineered when required.

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CONFIGURATOR / PARTNER PORTAL

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Select robot model, adapter plate and project options.