

EasyPalletizer Flex

Flexible dual-pallet platform. Industrial steel. Built for changing production.

A robust palletizing base with adjustable pallet geometry, movable robot pedestal and modular safety and conveyor interfaces - designed for repeatable production and future reconfiguration.



● Compatible with 99% of modern cobots

● Many industrial robots

● All major pallet formats



REMEMBER THE ROBOT ADAPTER PLATE

Select the exact robot model in the EasyRobotics configurator and order the matching adapter plate separately. If a standard plate does not fit, the interface can be customized.



Industrial strength - engineered for repeatability

High-mass steel construction creates a stable mechanical reference while remaining practical to relocate with a standard pallet lifter.



HIGH-MASS STEEL PLATFORM

Move the platform with a pallet lifter for layout changes. Anchor and level it before production.

375 kg

Base platform

430-440 kg

Configured pedestal variants

4 x M14

Floor anchoring

Approx. 90%

Factory pre-assembled

1 Premium steel structure

Load-bearing elements are manufactured in industrial steel for rigidity, vibration resistance and long service life.

2 Stable in production

The platform is anchored to the floor and supports repeatable robot, conveyor and pallet geometry.

3 Protected controller space

Integrated enclosure keeps the robot controller and interface hardware organized and protected.

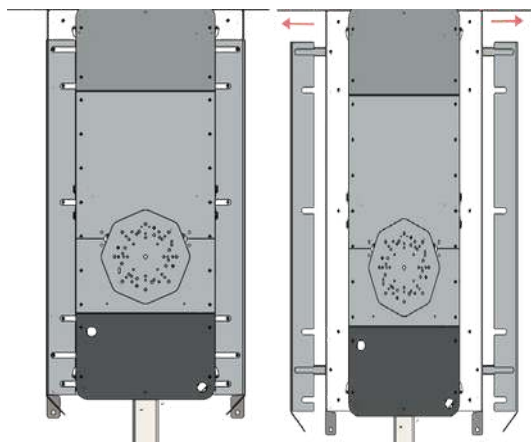
4 Professional cable routing

Side entry and controlled routing provide service access without loose cables across the work area.

One platform for all major pallet formats

Adjustable base width, foldable pallet arms and extension geometry allow the same platform to follow changes in pallet size, robot reach and line layout.

Flexible pallet geometry



CLOSED

EXTENDED

- Pallet arms fold out when support is required
- Arms fold away to keep the work area open
- Extension kit adjusts up to 170 mm for pallet size and reach
- Non-standard pallets and load carriers can be configured

PALLET FORMAT MATRIX

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

DUAL-PALLET WORKFLOW

01 Load

Present product from conveyor or upstream process.

02 Palletize

Build the programmed pattern on the active side.

03 Exchange

Remove the completed pallet at the idle side.

04 Continue

Switch sides with minimal waiting.

The platform is designed for all common pallet types and sizes. Final stops, clearances and safety distances are confirmed for the actual application.

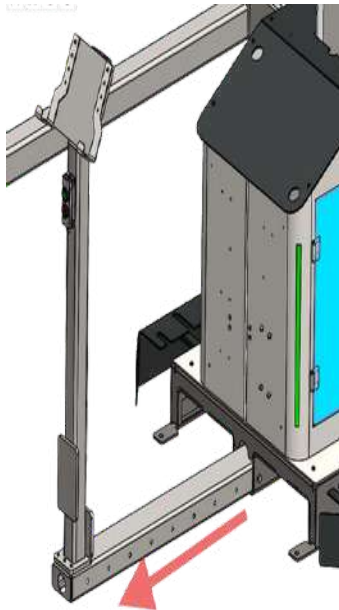
Robot and operator architecture

The robot, pendant, light curtain and pallet zone can be arranged as one clear, validated operating concept

99%

99% of modern cobots. Many industrial robots.

Standard cobots are supported through robot-specific adapter plates. Compact and medium industrial robots can also be integrated after checking robot mass, payload, base moments, reach, dynamics, mounting pattern and guarding.



Adjustable teach pendant holder

The holder can be adjusted up to 1400 mm and moved forward to create an ergonomic operator station.

UP TO 1400 mm



Prepared for a light curtain

The forward pendant position allows a light curtain to be placed between the automated work area and the operator interface. The final safety function must be selected and validated in the cell risk assessment.



ADAPTER PLATE IS A SEPARATE ORDER ITEM

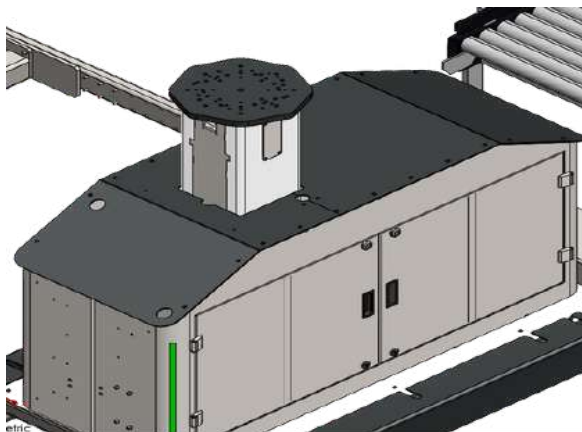
Choose the exact robot in the online configurator. Custom adapter plates and robot consoles are available when a standard interface does not fit.



ROBOT CHECK: mass | payload | base moments | reach | dynamics | mounting | guarding

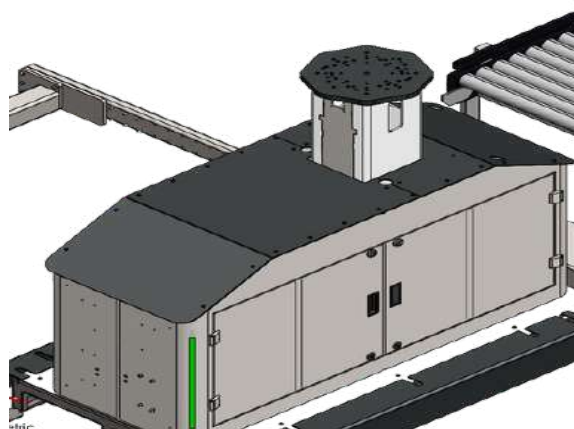
Move the robot pedestal forward or back

The interchangeable top cover lets the pedestal position follow the selected robot, reach envelope, conveyor position and pallet layout.



PEDESTAL FORWARD

Optimizes reach towards the conveyor or front pallet zone.



PEDESTAL REARWARD

Creates more rearward reach and changes the robot working envelope.

PEDESTAL AND HEIGHT OPTIONS



PTF-1001

Fixed movable pedestal

865 mm
430 kg



PTF-1002

Fixed movable pedestal

1200 mm
440 kg



PTF-1003

Movable lifting column

876-1776 mm
430 kg



ENGINEERED

Custom height or console

Project-specific
Quotation

The current commercial reference for the first fixed pedestal is 865 mm. Confirm the approved project drawing and robot reach before ordering.

Programmable status. Modular options.

Pre-wired signals support clear operator feedback, while published and engineered options adapt the platform to the production line.

Standard signal architecture

- 2** Operator buttons
- 2** Pallet sensors
- 2** Multi-colour LED lamps
- 8 x M12** Pre-wired distributor
- Modbus** Robot interface

Fully programmable LED status



Digital outputs can command yellow, red, green, blue, daylight white, flashing combinations or light off. Use the colours for pallet status, production state, call-for-material or faults.

OPTIONS AND INTEGRATION PACKAGES

1 PTC-1000

EasyConveyor 420 mm

1020 x 420 x 700 mm

2 PTC-1001

EasyConveyor 620 mm

1020 x 620 x 700 mm

3 Safety Scanner Cover

Mechanical scanner integration

Quotation item

4 Carton holder

Interlayer cardboard / paper handling

Quotation item

5 Light curtain package

Posts, interface and safety engineering

Project-specific

6 Custom robot interface

Adapter plate, pedestal or industrial robot console

Configurator / quotation

Safety devices, software and validation are application-specific and may require separate engineering.

Install for stability. Validate the complete cell.

EasyPalletizer Flex is a partly completed machine. The final robot cell must be integrated, risk-assessed and validated for the actual process.

1

Verify layout and floor

Check robot reach, pallet access, conveyor location, concrete quality and safety distances.

2

Set platform geometry

Adjust pallet arms, extension and robot pedestal position for the approved layout.

3

Anchor and level

Use four M14 anchors suitable for the floor and level the complete base.

4

Install adapter and robot

Follow robot manufacturer torque, cable and mounting requirements.

5

Connect process and safety

Integrate Modbus, buttons, sensors, LEDs, conveyor and selected safety devices.

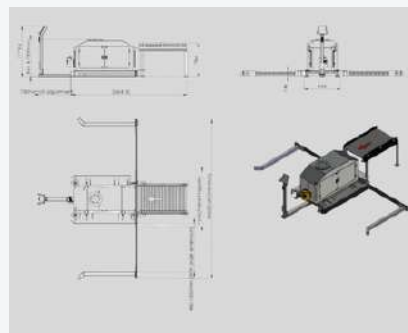
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Validate before production

Complete risk assessment, stop-time testing, functional checks and conformity documentation.

Technical summary

Base footprint	1500 x 1030 mm
Pallet positions	2 - left and right
Pallet detection	2 sensors
Operator feedback	2 buttons + 2 programmable LED lamps
Interface	Modbus
Compressed air	Not required for standard platform
Floor anchoring	Required - 4 x M14
Robot compatibility	99% of modern cobots; many industrial robots after validation



The CE marking of the platform is not a CE marking of the complete robot cell. The integrator remains responsible for the final safety concept, Performance Level, guarding, restart prevention and conformity of the complete machinery.

Ordering overview

Published product references, conveyors and separately required robot interface

Order no.	Product / configuration	Published main data
PTF-1000	EasyPalletizer Flex Base	1500 x 1030 x 845 mm 375 kg
PTF-1001	Fixed movable pedestal - 865 mm	1500 x 1030 x 865 mm 430 kg
PTF-1002	Fixed movable pedestal - 1200 mm	1500 x 1030 x 1200 mm 440 kg
PTF-1003	Movable lifting column - 876-1776 mm	1500 x 1030 x 876-1776 mm 430 kg
PTC-1000	EasyConveyor - 420 mm width	1020 x 420 x 700 mm
PTC-1001	EasyConveyor - 620 mm width	1020 x 620 x 700 mm
Configurator item	Robot-specific adapter plate	Select and order separately
Quotation / engineering	Scanner cover, carton holder, light curtain, custom interfaces	Project-specific scope



ORDER THE MATCHING ADAPTER PLATE

Open the EasyRobotics configurator / partner portal, select the exact robot and add the adapter plate. It is included only when explicitly stated in the quotation.



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CONFIGURATOR / PARTNER PORTAL

easyrobotics.biz/login

Product: easyrobotics.biz/product/easypalletizer-flex



Errors and omissions excepted. Technical data, dimensions, weights, illustrations, option scope, product names, order references and availability may change without notice. The current quotation, approved project drawings and order confirmation prevail. Robot compatibility and the safety of the complete cell must be validated for the actual application.