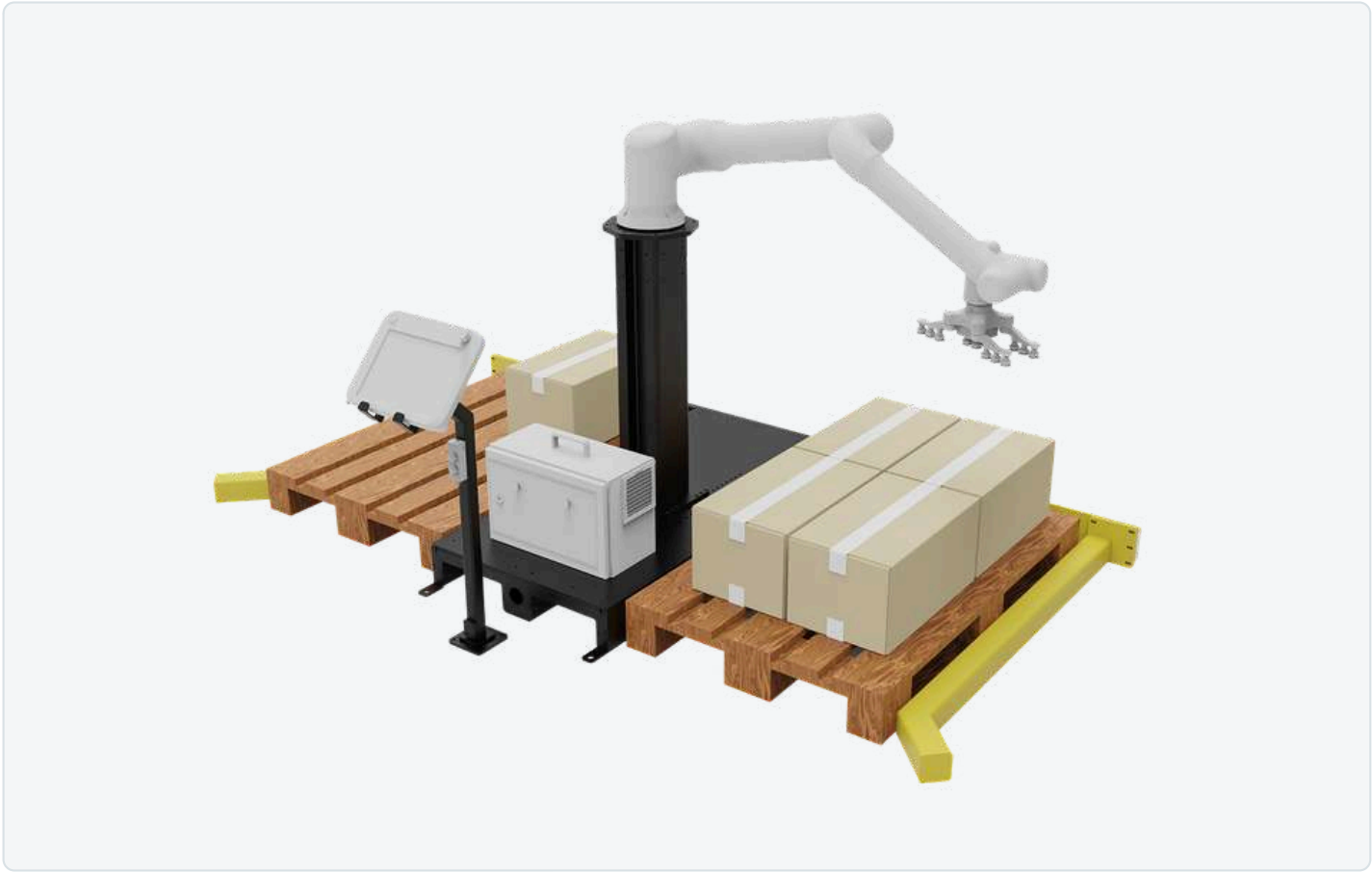
PALLETIZING | MECHANICAL DUAL-PALLET PLATFORM

EasyPalletizer Basic

Robust, flexible palletizing foundation for modern automation

Four pedestal configurations. Two pallet positions. One mechanically simple industrial platform.



2 pallet positions

500-1200 mm guide range

99% of modern cobots

Industrial robots by validation

! **Remember to order the robot-specific adapter plate separately in the online configurator.**

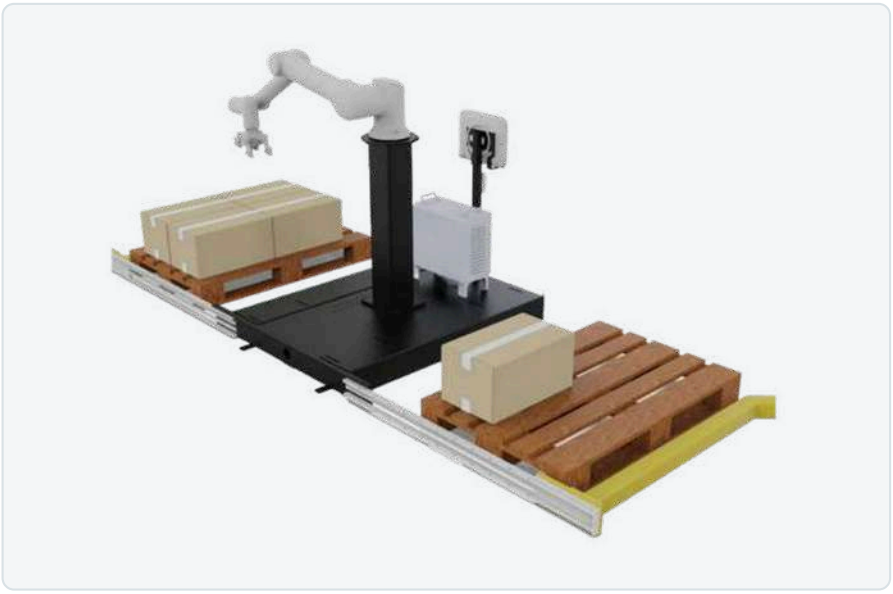
PRODUCT PAGE

PTB-1001 | PTB-1002 | PTB-1003 | PTB-1004

EasyRobotics ApS | Sønderborg, Denmark

A rigid platform for repeatable palletizing

A high-mass steel base,definedrobot mounting geometry and M12 floor anchoring createa stable foundation for controlled palletizing cycles.



260 kg

2

pallet positions - left & right

170 mm

01 Heavy-duty steel structure

A robust mechanical base supports predictable robot motion and long service life in demanding production areas.

02 Anchored for operation

The base must be secured to a suitable floor with M12 anchor bolts before production.

03 Adjustable robot position

The pedestal can be moved front or back using the prepared mounting pattern to match reach and pallet geometry.

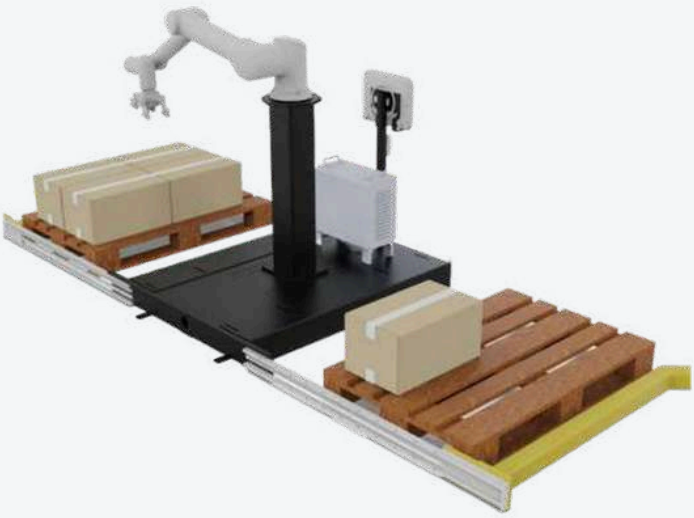
04 Organised controller area

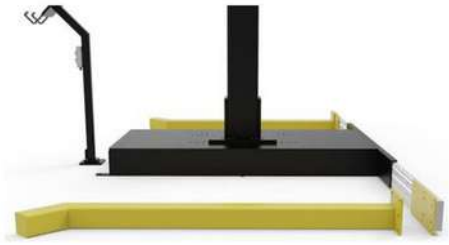
A 600 x 500 mm open controller area supports accessible mounting and controlled cable routing.

100% mechanical Basic concept	**No compressed air**	**No standard I/O**
No pallet sensors	**Flexible teach-pendant frame**	**Transported in a wooden crate**

One platform. Multiple pallet formats.

Adjustable wings and removable side tubes allow the pallet geometry to be set around the robot reach, pallet format and conveyor position.





500-1200 mm

ADJUSTABLE WING DISTANCE

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

1 SET WIDTH

Adjust the wing distance within the documented 500-1200 mm range.

2 POSITION PALLETS

Configure two pallet locations - left and right of the robot base.

3 SET ROBOT OFFSET

Move the pedestal front or back using the prepared hole pattern.

4 VALIDATE REACH

Check pick point, farthest pallet corner and maximum stack height.

Lock all guides after adjustment. Validate the complete layout with the selected robot, gripper, payload and cycle dynamics.

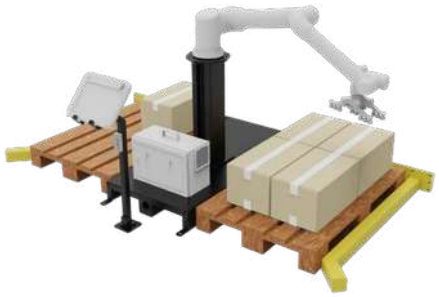
Four configurations. One common base.

Select the pedestal architecture that matches conveyor height, pallet stack and robot reach.

PTB-1001 **Without pedestal**

260 kg published base mass

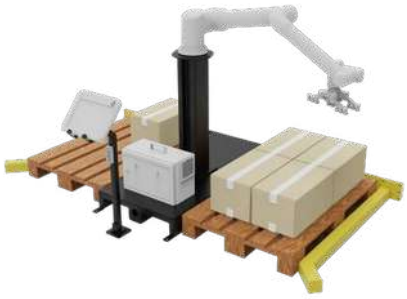
Engineering-ready base configuration.



PTB-1002 **Fixed pedestal**

865 mm nominal | 330 kg

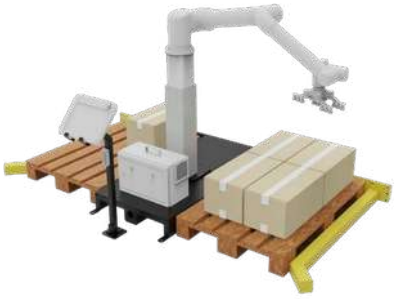
For standard conveyor and pallet heights.



PTB-1003 **Fixed pedestal**

1200 mm | 350 kg

For higher pick points or taller stacks.



PTB-1004 **Lifting column**

876-1776 mm | 900 mm stroke

Dynamic height adjustment; 290 kg published unit mass.

LIFTING COLUMN INTEGRATION

Modbus and software support are documented for Universal Robots, Omron/Techman and Doosan. Other brands require project-specific programming and validation.

Published source documents contain both 835 mm and 865 mm references for PTB-1002. Confirm the current approved project drawing.

Robot compatibility without platform lock-in

99% of modern cobots. Many industrial robots. Custom interface when needed.

99%

OF MODERN COBOTS

STANDARD OR CUSTOM

Standard cobot integration

Verify the robot base pattern, mass, payload, reach, cable routing and stack geometry.

Industrial robot integration

Many compact industrial robots can be used after validation of base moments, dynamics, anchoring, guarding and safety architecture.

Does not fit?

EasyRobotics can engineer a custom adapter plate, mounting interface or pedestal geometry.

DO NOT OMIT THE ADAPTER PLATE

Select the exact robot model in the EasyRobotics online configurator / partner portal. The plate is ordered separately unless explicitly included in the quotation.

Final suitability is subject to project-specific engineering, reach study and risk assessment.

CONFIGURE: easyrobotics.biz/login

ROBOT MASS · BASE MOMENT · PAYLOAD · REACH · STACK HEIGHT · DYNAMICS · GUARDING · CABLES

Options, variants and engineered configurations

Build the palletizing concept around the process. Published options and project-specific additions are confirmed in the quotation.

Safety scanner cover

PUBLISHED

Published optional cover / bracket for project-specific scanner integration.

Stainless steel execution

CUSTOM

Custom execution for hygiene, corrosion resistance or demanding environments.

Fixed pedestal - 865 mm

VARIANT

Standard fixed-height configuration for PTB-1002.

Fixed pedestal - 1200 mm

VARIANT

Standard fixed-height configuration for PTB-1003.

Lifting column - 876-1776 mm

VARIANT

Height-adjustable PTB-1004 configuration with 900 mm stroke.

Robot adapter plate

CONFIGURATOR

Standard plate via configurator; custom interface on request.

Custom pallet / conveyor geometry

ENGINEERED

Engineered guides, offsets and reach geometry for the approved layout.

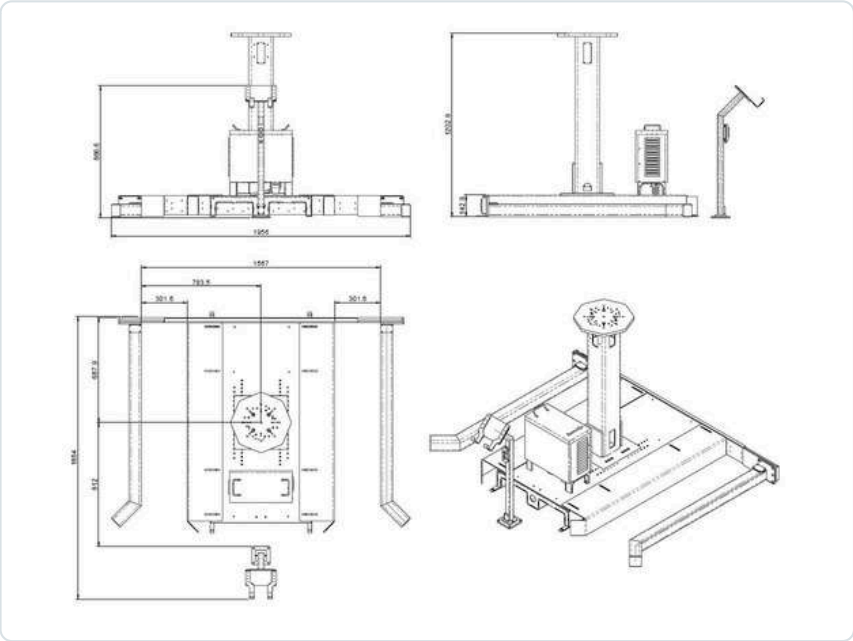
Industrial robot & safety package

ENGINEERED

Pedestal, anchoring, guarding, cables and project-specific risk validation.

Only the PTB references on page 8 are published standard product references. Non-standard additions are assigned in the approved quotation.

Technical data & integration envelope



PTB SERIES

EasyPalletizer Basic

Published platform data

2 PALLETS | 4 CONFIGURATIONS

Base length	1350 mm	Pallet formats	GMA / EUR1 / EUR3 / GLOB / APAC / AUS
Arm span - retracted	1867 mm	Teach-pendant frame	Base or floor mounting
Arm span - extended	3655 mm	Controller area	600 x 500 mm; open height
Base mass - PTB-1001	260 kg	Pallet sensors	Not included
Pallet positions	2 - LH / RH	Air / interface	None / none
Wing adjustment	500-1200 mm	Floor anchoring	M12 bolts required
Extender adjustment	170 mm	Pedestal position	Adjustable front / back

Dimensions and masses are published source values. The approved project drawing, quotation and order confirmation take precedence.

1. Confirm pallet & conveyor geometr y
2. Validate robot reach and load
3. Select pedestal variant
4. Order adapter plate
5. Anchor and risk-assess the cell

The CE marking of the partly completed machinery is not a CE marking of the complete robot cell. The integrator must complete the risk assessment and conformity validation.

Ordering overview

Published variants plus configurator and quotation items

Reference	Variant / item	Configuration / note
PTB-1001	**EasyPalletizer Basic - without pedestal**	**H: 835 mm, W: 870, L: 1350, Wt: 200 kg, For 2 pallets with with two adjustable Pallet Grid, without Pedestal**
PTB-1002	**EasyPalletizer Basic - fixed pedestal**	**H: 865 mm, W: 870, L: 1350, Wt: 200 kg, For 2 pallets with with two adjustable Pallet Grid, Fixed pedestal 865 mm**
PTB-1003	**EasyPalletizer Basic - fixed pedestal**	**H: 835 mm, W: 870, L: 1350, Wt: 200 kg, For 2 pallets with with two adjustable Pallet Grid, Fixed pedestal 1200 mm**
PTB-1004	**EasyPalletizer Basic - lifting column**	**H: 835 mm, W: 870, L: 1350, Wt: 200 kg, For 2 pallets with with two adjustable Pallet Grid, Lifting column 876–1776 mm**
Configurator item	**Robot-specific adapter plate**	Select the exact robot model. Ordered separately unless stated in the quotation.
Quotation item	**Safety scanner cover / stainless execution**	Published scanner-cover option and custom stainless configuration.
Engineering item	**Custom geometry / industrial robot integration**	Robot interface, pallet guides, conveyor geometry, guarding, cables and safety engineering.

REMEMBER THE ADAPTER PLATE

Scan the QR code or openeasyrobotics.biz/l ogin.If no standard plate fits, request a custom interface.

EasyRobotics ApS

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Errors and omissions excepted. Specifications, dimensions, masses, pedestal heights, scope of supply, options, availability and order references may change without notice. Published source documents contain some variant-summary differences; the current quotation, approved drawings and order confirmation take precedence. The complete robot cell requires a project-specific risk assessment and conformity validation.