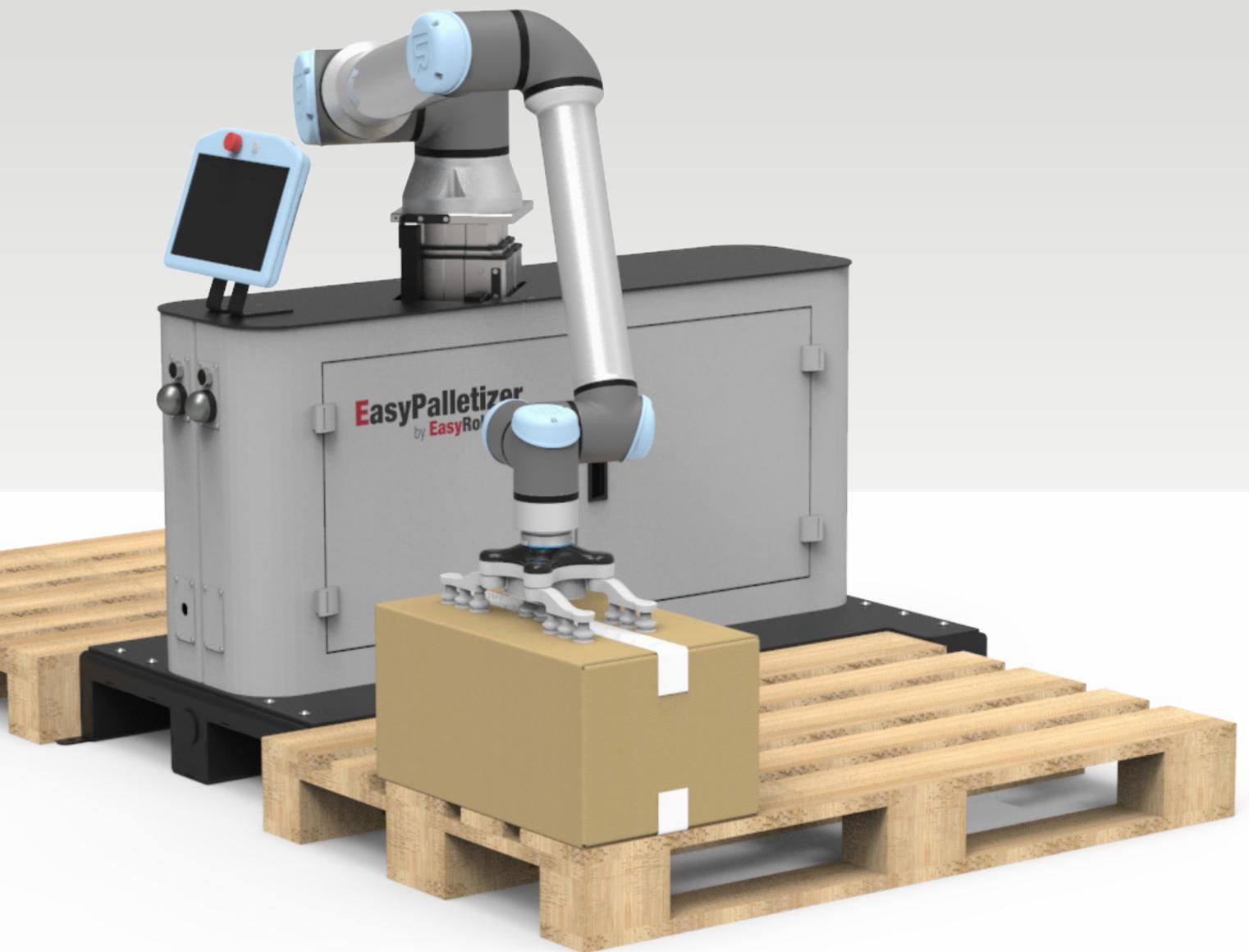# EasyPalletizer

EasyRobotics®
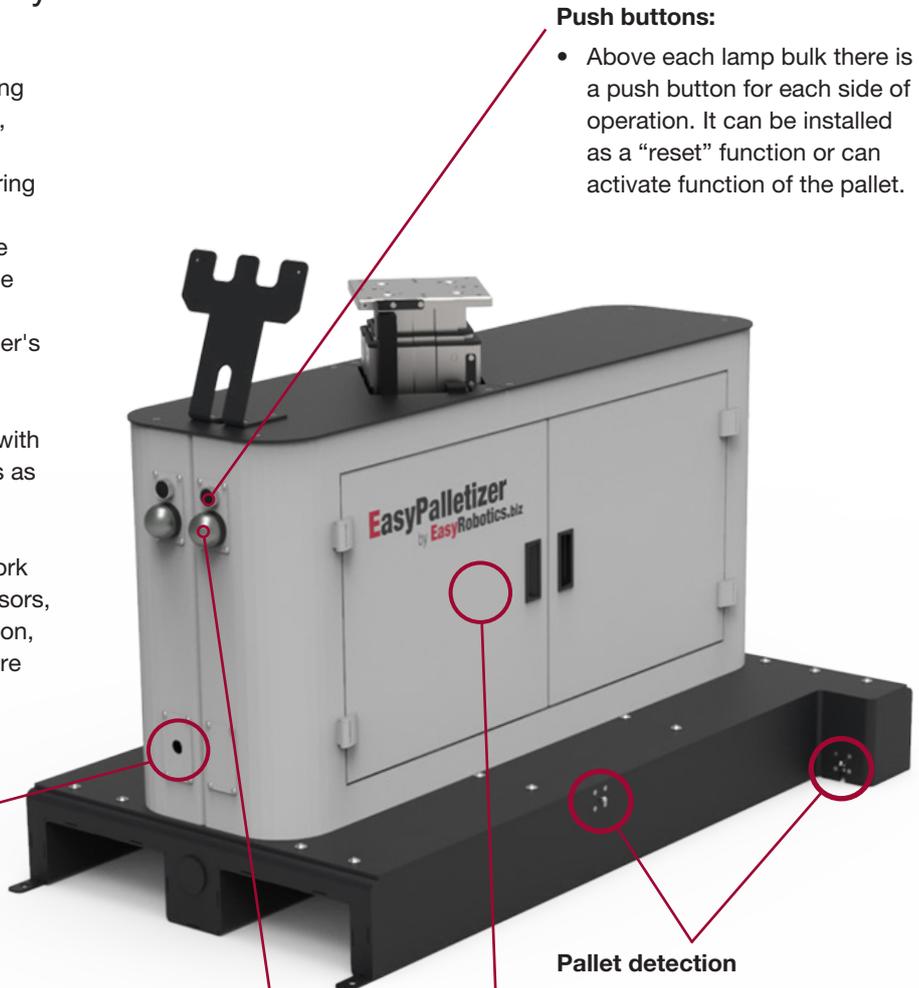*- we move your parts*

EasyPalletizer

The EasyPalletizer, is a platform designed for the purpose of making palletizing easy and mobile inside a factory.

EasyPalletizer is a stationary palletizing robot for loading pallets with cartons, boxes or workpieces. The system is placed next to the conveyor belt. During the operation, robot automatically grabs cartons or workpieces from the conveyor, and then, depending on the installed program, puts it down on a pallet in accordance with the customer's requirements.

The EasyPalletizer can be equipped with robotarm from several manufacturers as well as Lifting module from SKF.

EasyPalettizer can simultaneously work with two pallets. Pallet detection sensors, placed on 2 sides of the loading station, ensure correct docking of pallet before starting palletizing.

Push buttons:
- Above each lamp bulk there is a push button for each side of operation. It can be installed as a "reset" function or can activate function of the pallet.

Ethernet RJ45 connector
- Ensuring monitoring or access via third part products from outside of the palletizer does the palletizer come with a small plugin for an ethernet cable.

Multipurpose lamps and ethernet plug
- At the front of the EasyPalletizer are two I/O connectable multipurpose lamps (with multiple configurable colors).

Pallet detection
- The EasyPalletize consist of four detection pins on each pallet site which ensure correct docking of pallet before starting palletizing. By the functionality loading stability is ensured as well as a safe operation stabling the components.

Function:

There are several applications which make the Palletizer the right choice to the industry;

1. Floor level palletizing.
2. Load transfer stations to mobile robots form conveyer or other fixed units.
3. Unload/load transfer systems.
4. Dual palletizing system.

Automatic solution
- When one pallet is completely loaded, the robot automatically starts to process another one. Then the finished pallet can be removed, and a new one can be placed in the EasyPalettizer. Meanwhile the robot can continue its work.
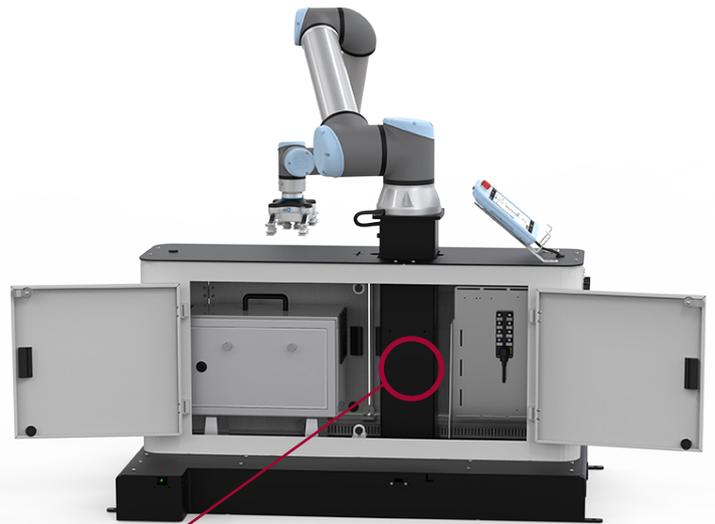
Applications

There are several applications which make the Palletizer the right choice to the industry;

- Floor level palletizing,
- Load transfer stations to mobile robots form conveyer or other fixed units.
- Unload/load transfer systems
- Dual palletizing system.

EasyRobotics understands the industrial requirement of palletization with a collaborative robot arm. Robots are fast and help to improve the quality of packaging.

Additionally, they not only make palletizing and packaging of goods more systematic, which is important in the reduction of storage costs, but also ensure a clean packing process, especially essential for food and pharma goods.

Delivery options
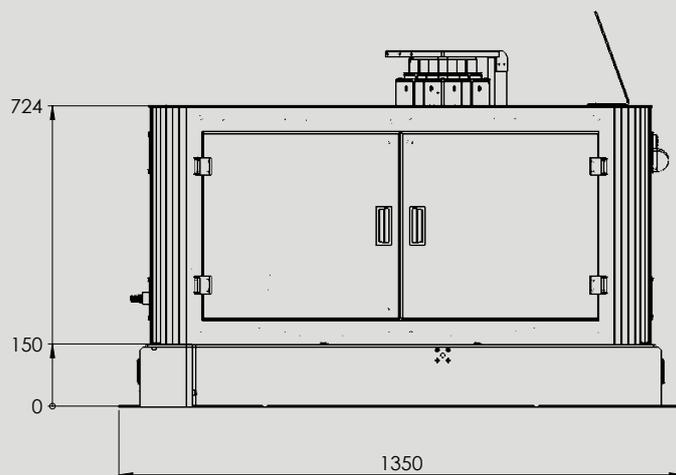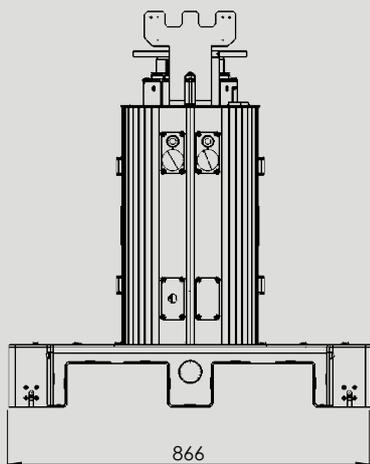
The standard Palletizer can be delivered with:

- Fixed pedestal (not mounted).
- SKF pedestal (not mounted).

Controller compartment

- EasyPalletizer has a lot of space inside the controller compartment, that is used to protect the robot-arm controller from external influences. There is a components plate for mounting of products inside console, like communication, air equipment etc.

BENEFITS

- Automatic and robotic palletizers have many qualities that elevate them above manual palletizers.
- Load stability.
- Precision.
- Operation speed.
- Safe movement of boxes.
- Fewer associated worker injuries.
- Moving packaged units much easier, safer and less labor intensive.
- Movable palletizing cell with fast mechanical setup with a pallet jack.
- Flexibility for manufacturing.
- Capex optimized.

724

150

0

866

1350

Product order overview

PT1001	Palletizer One Base	For 2 Pallets with 4 sensor and 2 led lights. L1350 x W866 x H655 mm, Weight 220 kg
PT1002	Palletizer One with Liftkit	For 2 Pallets with 4 sensor and 2 led lights with SKT Liftingkit (not mounted). L1350 x W866 x H855 mm, Weight 265 kg
PT1003	Palletizer One with fixed Pedestal	For 2 Pallets with 4 sensor and 2 led lights with fixed Pedestal (not mounted). L1350 x W866 x H855 mm, Weight 265 kg
PT1001-S	Palletizer One Base Stainless Steel	For 2 Pallets with 4 sensor and 2 led lights. L1350 x W866 x H855 mm, Weight 220 kg
PT1002-S	Palletizer One with Liftkit Stainless Steel	For 2 Pallets with 4 sensor and 2 led lights. with LiftKit (not mounted). L1350 x W866 x H855 mm, Weight 265 kg
PT1003-S	Palletizer One with fixed Pedestal Stainless Steel	For 2 Pallets with 4 sensor and 2 led lights with fixed Pedestal 700 mm (not mounted). L1350 x W866 x H855 mm, Weight 245 kg
PT1010	Palletizer Two Base	For 2 Pallets with 4 sensor and 2 led lights. L1350 x W1085 x H855 mm, Weight 200 kg
PT1011	Palletizer Two with fixed Pedestal	For 2 Pallets with 4 sensor and 2 led lights with fixed Pedestal (not mounted). L1350 x W1085 x H855 mm, Weight 230 kg
PT1012	Palletizer Two with Liftkit	For 2 Pallets with 4 sensor and 2 led lights. with LiftKit (not mounted). L1350 x W1085 x H855 mm, Weight 230 kg

Danish manufacturer and supplier of robotic cells for all types of automation.

EasyRobotics ®
- we move your parts

EasyRobotics ApS
Mommarkvej 5
DK-6400 Sønderborg
Phone: +45 31 25 06 02
info@easyrobotics.dk
www.easyrobotics.biz