

# MalocherBot Palletizer S

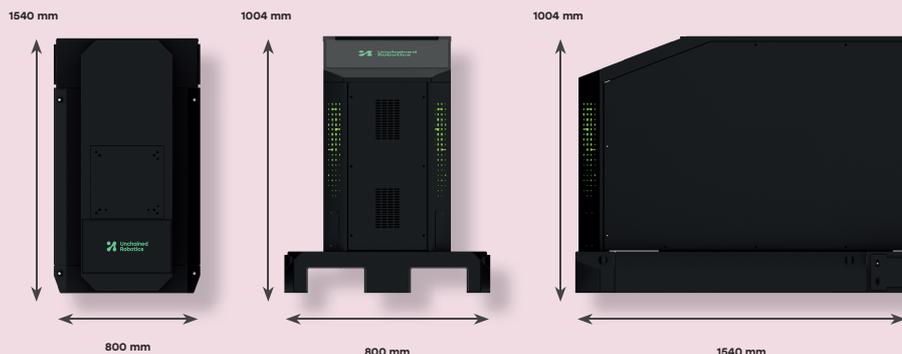
## Technical Specifications



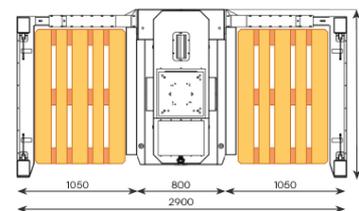
### Introduction

The MalocherBot Palletizer S is a compact and flexible palletizing solution designed for a range of lighter palletizing tasks. Supporting a variety of robot brands, a wide array of gripper options, and standardized safety features, it delivers fast cycle times and reliable performance. Its modular design ensures rapid and seamless integration into existing production lines while meeting both European and ISO pallet standards.

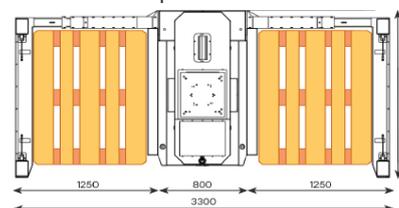
### Base Unit Dimensions



Footprint EURO Pallet



Footprint ISO Pallet



### Robot Compatibility

<b>Universal Robots UR20</b>	Payload: 20 kg Reach: 1750 mm
<b>Doosan H2017</b>	Payload: 20 kg Reach: 1700 mm
<b>Doosan P3020</b>	Payload: 30 kg Reach: 2030 mm
<b>FANUC CRX-25iA</b>	Payload: 30 kg Reach: 1890 mm

### Gripper Compatibility

<b>OnRobot 2FGP20</b>	Payload: 20 kg Weight: 5 kg
<b>OnRobot VGC10</b>	Payload: 6 kg Weight: 0.8 kg
<b>PIAB piCobot L</b>	Payload: 16 kg Weight: 1.38 kg
<b>PIAB KENOS KV</b>	Customizable. Payload, weight, and size variable

### Performance

<b>Max. Speed</b>	15 s per cycle (single or multi-pick)
<b>Max. Payload (incl. gripper)</b>	30 kg
<b>Pallet Size</b>	EURO and ISO
<b>Max. Stacking Height</b>	2.20 m incl. pallet

Note: Performance data depend on factors such as configuration and box specifications.

#### Compatible Robot Brands



#### Compatible Gripper Brands



### Safety Features

Safety Option	ID	Robot Operation During Pallet Change	Mechanical Separation of Access Areas	Footprint with Euro Pallet W x D in mm	Susceptibility to Interference
<b>Cobot Mode</b>	S01	Safe speed across the entire area, stop upon contact	No	Small 2900 x 1550	Very Low
<b>3 Laser Scanner</b>	S02	Stop or switch to Cobot mode	No	Large 4400 x 3000*	Medium (e.g., dust, insects)
<b>Enclosure with 2 Light Curtains</b>	S03	Continue operation on free pallet side	Yes	Medium 3100 x 2780	Low
<b>Enclosure with 1 Light Curtain</b>	S04	Stop or switch to Cobot mode	No	Medium 3100 x 2780	Low
<b>Enclosure with Sliding Doors</b>	S05	Continue operation on free pallet side	Yes	Small 3100 x 2280	Very Low

\*For UR20 at full speed; exact scanner radius depends on the robot and cycle time.

