



Palletizer: Fully automatic robot palletizing system

Product introduction - Mobile palletizing robot

According to the rich application scenarios in China, we have specially developed this very cost-effective palletizing robot.

This advanced automation solution effortlessly handles a variety of products, ensuring precise and efficient stacking onto pallets. Increase productivity, reduce labor costs, and improve workplace safety.



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Background

Traditional industrial robot



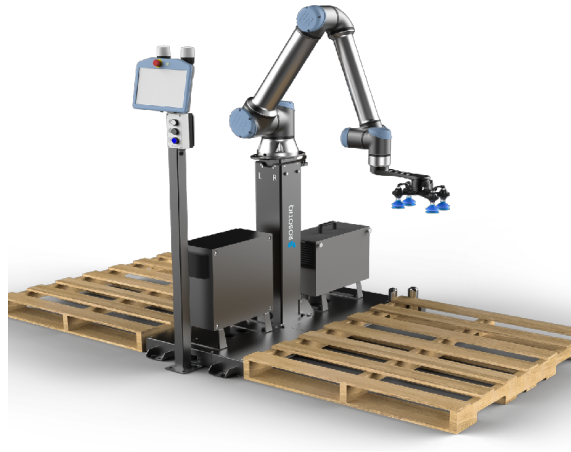
Advantages:

Fast speed, heavy load, strong rigidity

Disadvantages:

- Large area
- complicated operation
- bulky and inflexible
- Cost (\$ 140,000 +)

collaborative robot assembly



Advantage:

Small footprint, simple operation, flexible deployment

shortcoming:

- slow
- Small load
- Poor rigidity
- Cost (\$70,000+)

Customized robot for packing



Advantage:

Small footprint, simple operation, flexible deployment

- high speed,
- heavy load,
- Strong rigidity,
- High cost performance(\$30,000)

Features

Feature 01:small footprint

The footprint of half a wooden pallet can meet the installation requirements;

Feature 02:easy to operate

Most of the palletizing robots on the market are still traditional code or drag instruction programming, the operation is simple but very tedious;

Through non-programming parameterized Settings, only need to input numbers, AI algorithm automatically generates palletizing track and path, reducing drag teaching time, easier operation;

The graphical operation interface allows ordinary workers to get started in 5 minutes;



Feature 03:flexible deployment

Most of the palletizing robots on the market still play footing, and the deployment is not flexible; It can be moved quickly by forklift to improve the utilization efficiency of the machine;After the production line is shut down, it can be quickly switched to other production lines to improve machine utilization efficiency

Feature 04:strong capacitability

Programming-free software AI algorithm allows customers to create new recipes in 5 minutes; reduce equipment J/C downtime

Configuration

■ Hardware Configuration



High Speed

7-8 boxes / min, if need more, could use
2-3 box per movement, discuss later

Safe

Man-machine collaboration, power off
maintenance

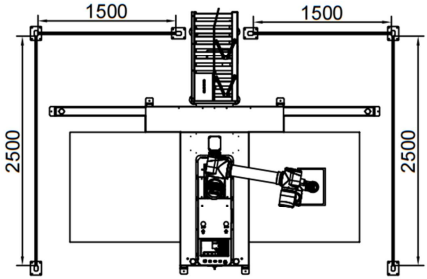
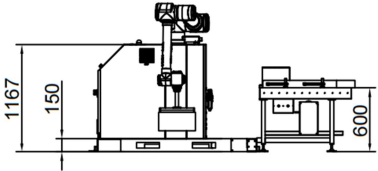
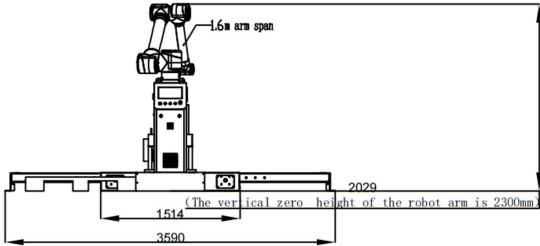
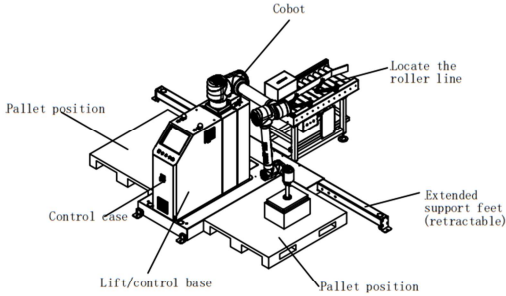
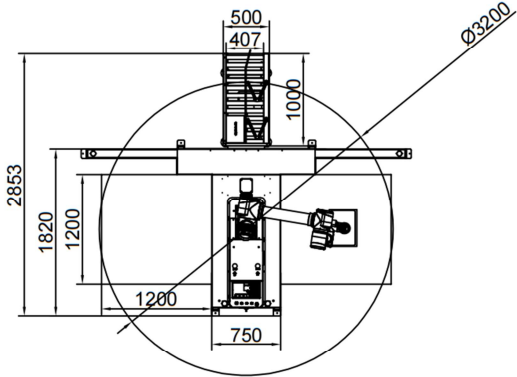
Large range

Max 36kg load capacity
pallet height: 2400mm

Easy operation

Simple operation, strong applicability

-Drawing-



1. The height of the fixed base of the palletizing robot can be 1600mm (including the pallet height), and the safe height required by the plant is 2800mm

2. The lifting base of the cooperative palletizer robot can place the carton at a height of 2100mm (including the pallet height), and the safe height required by the plant is 3400mm

设计 DESIGN				版本 标记		图纸变更内容				签名	年月日
日期 DATE		2022/2/21	重量 WEIGHT								
审核 CHECK			材质 MATERIAL	6061铝合金	名称 NAME						
核准 APPROVED			比例 SCALE	1:1	图号 TITLE					版本 REV	00