



# Collaborative Palletizing Workstation

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# Collaborative palletizing workstation

The world has entered the era of industrial 4.0 intelligent factory. As the largest industrial robot application market in the world, the palletizing robot industry develops rapidly. Effective combination and interaction among robots, human beings and working environment has become a trend in the future, and will be a great boost to the development of manufacturing industry in China.

Collaborative palletization redefines the concept of "ease of use" :

- >>> Installation and re-adjustment can be completed within 2 hours.
- >>> New path set-up within 5 minutes.
- >>> 8-12 boxes can be stacked per minute.
- >>> Up to 800 stacking paths can be set.
- >>> Maximum tray size 1500mm x 1500mm
- >>> Two products can be stacked simultaneously.
- >>> With label or identification function.

## Collaborative Robot

International first-class heavy-load cooperative robot, safe, efficient and cost-effective.

## Frame Assembly

Portable mobile base for more convenient application;  
7th axle lifting column.

## End effector

Lightweight and simple design,  
large suction and anti-dropping, patented products.

## Card Positioning System

Mechanical card positioning system is simple and practical.



## Operating system

15 inch high sensitive capacitive touch screen  
OK collaborative palletizing robot system V1.0

## Electric box control cabine

Independent research and development in the company,  
low energy consumption, high configuration, integrated  
electric control cabinet.



# Advantages of Collaborative Palletizer



## Simple programming

Visual programming is simple and efficient, and ordinary employees can easily manipulate robots without having to master the programming language.

The programming mode can be learned in half an hour and simple programming can be completed in 1 hour.



## Safety and stability

Industrial grade force-sensor with high reliability and safety;

Support 10-level collision detection and sensor safety detection;

Without loss of safety function in case of single fault;



## Flexible deployment

Integrated design, light and flexible, small footprint area;

Workstation deployment of new task setting is simple, quick and efficient;



## Wide applications

Widely used in food, pharmaceuticals, 3C, daily chemistry, e-commerce and other industries;



## Flexible Production

With fast switching of various functional scenarios, flexible production can be realized by human-machine cooperation, dual-computer cooperation and multi-computer cooperation.



## Economic and practical

Average recovery of investment within 6-12 months;

# Max series



## Easy to operate

Visual programming is simple and efficient, and ordinary employees can easily manipulate robots without having to master the programming language.  
The programming mode can be learned in half an hour and simple programming can be completed in 1 hour.



## Flexible deployment

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Workstation deployment of new task setting is simple quick and efficient.

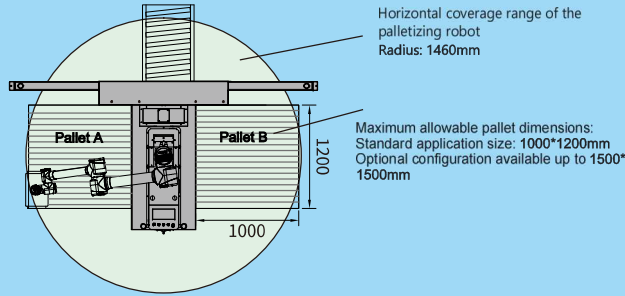


## Wide Application

Widely used in food,pharmaceutics, 3C,daily chemistry e-commerce and other industries;



## Product Parameters

Model	OK-GD30 Max
Robot load	30kg
Working radius	1460mm
Horizontal distance (Specification of cardboard)	
Vertical distance	Lifting type H2=2100mm
Stacking speed	<9pcs/min
Repeated positioning accuracy	±0.04mm
Communication mode	TCP/IP
Level Ip	Ip54
Temperature Range	0-55°C
Maximum Power Dissipation	3.6kw
Power supply from electric box	single-phase 220v/50HZ
Whole machine weight	≈350kg
Floor area	1505*1716mm
Equipment height	3.2m

## Palletizing Workstation Expansion and Supporting Solutions

Further ensure the safety of the workstation.

### Lidar sensor

- Non-contact, flexible setting of detection distance.
- Alarm and decelerate when approaching the yellow area.
- Immediately stop when entering the red area.

### Raster sensor

- Stable performance and strong anti-interference ability.
- High induction sensitivity and fast response.
- Long service life.

### Safety fence

- Physical protection, safe and reliable.