



ROBOTIKAGM

COLLABORATIVE PALLETIZING WORKSTATION

ESTACIÓN DE TRABAJO COLABORATIVO DE PALETIZADO

- 🔗 FLEXIBLE Y EFICIENTE
- 📄 AMPLIAS APLICACIONES
- 📦 ECONÓMICO Y PRÁCTICO

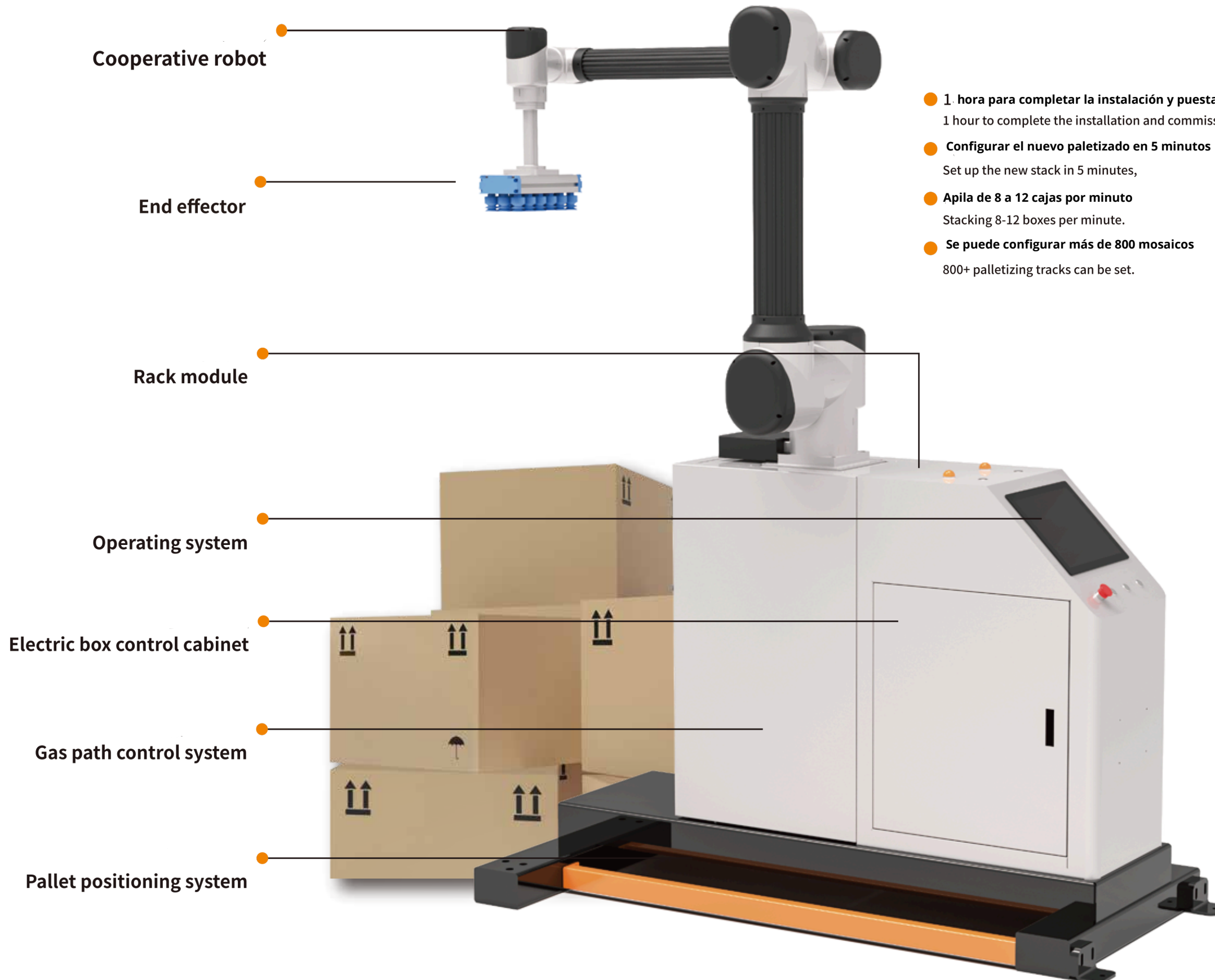


Structure overview

DESCRIPCIÓN GENERAL DE LA ESTRUCTURA



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Cooperative robot

End effector

Rack module

Operating system

Electric box control cabinet

Gas path control system

Pallet positioning system

- 1 hora para completar la instalación y puesta en marcha
1 hour to complete the installation and commissioning.
- Configurar el nuevo paletizado en 5 minutos
Set up the new stack in 5 minutes,
- Apila de 8 a 12 cajas por minuto
Stacking 8-12 boxes per minute.
- Se puede configurar más de 800 mosaicos
800+ palletizing tracks can be set.
- La carga máxima del robot son de 50 kg
The maximum load of the robot is 50 kg
- Puede apilar dos tipos de productos al mismo tiempo
Can stack two kinds of products at the same time.
- Tiene la función de identificar la dirección de las etiquetas
It has the function of identifying label direction.
- Puede realizar un agarre simple y doble
Can achieve single and double grasp free switching function.

Ventajas de rendimiento
Performance advantage

- **Es fácil de operar, iniciar y utilizar**
The foundation is easy to operate, start and use, convenient debugging;
- **Tamaño pequeño, flexible y fácil desplazamiento**
Small footprint, flexible, drag at will;
- **Se adapta a todo tipo de cajas y apilados**
Meet all kinds of boxes and stacks;
- **Variedad de almacenamiento de mosaicos, llamada a mosaicos sin repetir ajustes**
A variety of formula storage, call at will, no need to repeat Settings;
- **Se utiliza en industria en diferentes sectores, como la alimentación, bebidas, medicamentos, productos químicos, industrias eléctricas y electrónicas**
The industry is widely used, such as food, household paper, alcohol, medicine, daily chemical, electrical and electronic industries.
- **Fácil ajustes de parámetros, el tipo de paletizado se puede seleccionar manual y se puede alinear automáticamente sin demasiados ajustes**
Input basic parameters, the pile type can be selected at will, and can be automatically aligned without too much manual setting;
- **Prevención mecánica de colisiones, mayor seguridad. También se puede equipar con vallado de seguridad**
With mechanical collision prevention, higher safety, can also be equipped with guardrail or grating;
- **Elevación automática según la altura de paletización, hasta 2.5 metros**
Automatic lifting according to the height of the palletizing, up to 2.5 meters;
- **Opera todo el día, ahorra tiempo y mano de obra**
All-day operation, save time, save people and labor;



Ventajas de rendimiento
Performance advantage

- **Estructura simple, fácil de operar, fácil mantenimiento, adecuado para todo tipo de embalaje de productos**
Simple structure, convenient maintenance, easy operation, easy maintenance, suitable for all kinds of products packing;
- **Robot colaborativo, estable y eficiente, seguro y confiable**
Cooperative robot, stable and efficient, safe and reliable, one-click start;
- **La máquina tiene un alto grado de automatización con el robot, lo que reduce la mano de obra**
The machine has a high degree of automation with the robot, reducing labor;
- **Configuración de alta gama y precio asequible**
High-end configuration, friendly price
- **El modelo estándar es de acero de carbono y se puede personalizar según las necesidades del cliente**
Standard model is carbon steel, can be customized according to customer needs.



WP-30S collaborative palletizing robot

WP-30S ESTACIÓN DE TRABAJO COLABORATIVO DE PALETIZADO



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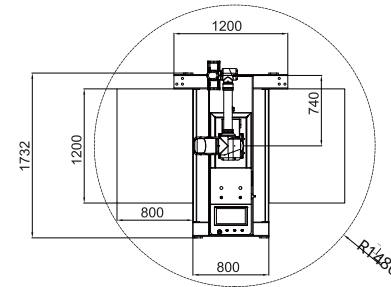
AMPLIAS APLICACIONES



ECONÓMICO Y PRÁCTICO



Distancia horizontal
Horizontal distance
(Specification of cardboard)
(Especificación del cartón)



TECHNICAL PARAMETERS

Model number	WP-30S
Maximum load (KG)	30KG
Working radius (mm)	1480mm
Maximum palletizing time (pcs)	≤8PCS/min
Maximum stacking height (mm)	≤2150mm

Repeated positioning accuracy (mm)	±0.04mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1000mm*800mm
Equipment appearance size (mm)	L1732mm*W1200mm*H2390mm
Size of wooden box (mm)	L2200mm*W1450mm*H1900mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%,
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT
IP level	IP54
Temperature range	0-50°C
Machine weight (KG)	600kg

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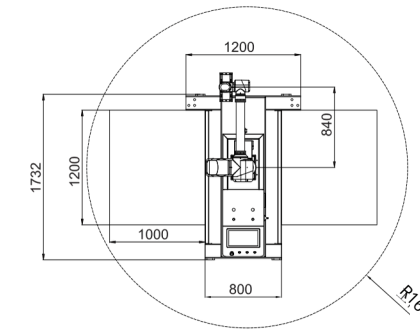
ECONÓMICO Y PRÁCTICO



TECHNICAL PARAMETERS

Model number	WP-30
Maximum load (KG)	25KG
Working radius (mm)	1680mm
Maximum palletizing time (pcs)	≤10PCS/min
Maximum stacking height (mm)	≤2350mm

Horizontal distange
(Specification of cardboard)



Repeated positioning accuracy (mm)	±0.04mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1200mm*1000mm
Equipment appearance size (mm)	L1732mm*W1200mm*H2490mm
Size of wooden box (mm)	L2200mm*W1450mm*H1900mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT
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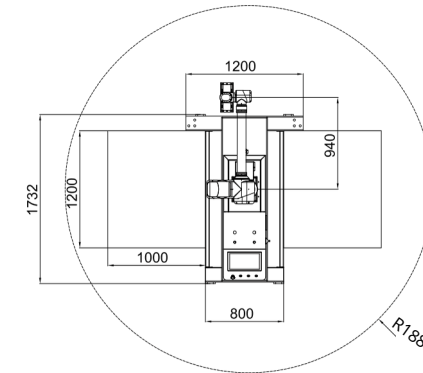
ECONÓMICO Y PRÁCTICO



TECHNICAL PARAMETERS

Model number	WP-30L
Maximum load (KG)	20KG
Working radius (mm)	1880mm
Maximum palletizing time (pcs)	≤12PCS/min
Maximum stacking height (mm)	≤2550mm

Horizontal distange
(Specification of cardboard)



Repeated positioning accuracy (mm)	±0.04 mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1300mm*1200mm
Equipment appearance size (mm)	L1732mm*W1200mm*H2590mm
Size of wooden box (mm)	L2200mm*W1450mm*H2000mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%,
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT
IP level	IP54
Temperature range	0-50°C
Machine weight (KG)	600kg

WP-30S collaborative palletizing robot

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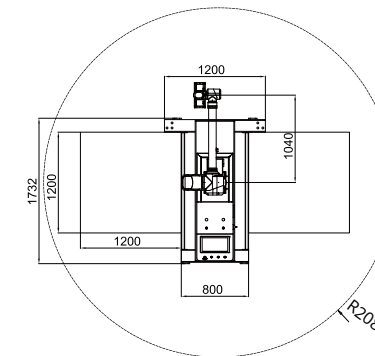
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TECHNICAL PARAMETERS

Model number	WP-30XL
Maximum load (KG)	15KG
Working radius (mm)	2080mm
Maximum palletizing time (pcs)	≤12PCS/min
Maximum stacking height (mm)	≤2750mm

Horizontal distange
(Specification of cardboard)



Repeated positioning accuracy (mm)	±0.04 mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1400mm*1200mm
Equipment appearance size (mm)	L1732mm*W1200mm*H2690mm
Size of wooden box (mm)	L2200mm*W1450mm*H2000mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%,
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT
IP level	IP54
Temperature range	0-50°C
Machine weight (KG)	600kg

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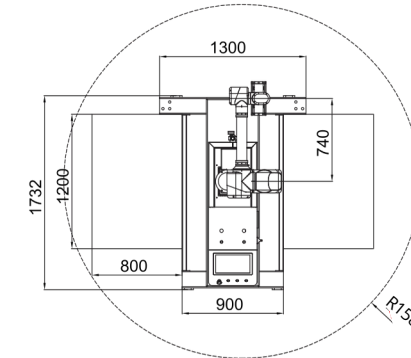
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TECHNICAL PARAMETERS

Model number	WP-50S
Maximum load (KG)	50KG
Working radius (mm)	1580mm
Maximum palletizing time (pcs)	≤6PCS/min
Maximum stacking height (mm)	≤2250mm

Horizontal distange
(Specification of cardboard)



Repeated positioning accuracy (mm)	±0.04mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1200mm*900mm
Equipment appearance size (mm)	L1732mm*W1300mm*H2525mm
Size of wooden box (mm)	L2250mm*W1450mm*H1900mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%,
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT
IP level	IP54
Temperature range	0-50°C
Machine weight (KG)	650kg

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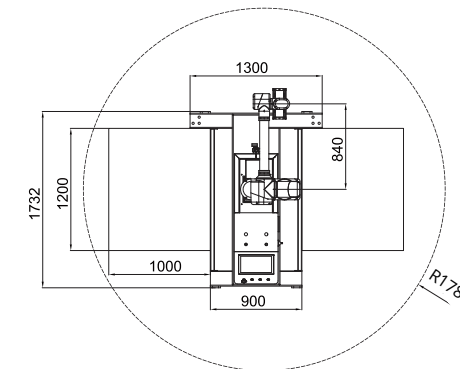
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TECHNICAL PARAMETERS

Model number	WP-50
Maximum load (KG)	45KG
Working radius (mm)	1780mm
Maximum palletizing time (pcs)	≤6PCS/min
Maximum stacking height (mm)	≤2450mm

Horizontal distange
(Specification of cardboard)



Repeated positioning accuracy (mm)	±0.04mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1200mm*1100mm
Equipment appearance size (mm)	L1732mm*W1300mm*H2615mm
Size of wooden box (mm)	L2250mm*W1450mm*H1900mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%,
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT
IP level	IP54
Temperature range	0-50°C
Machine weight (KG)	650kg

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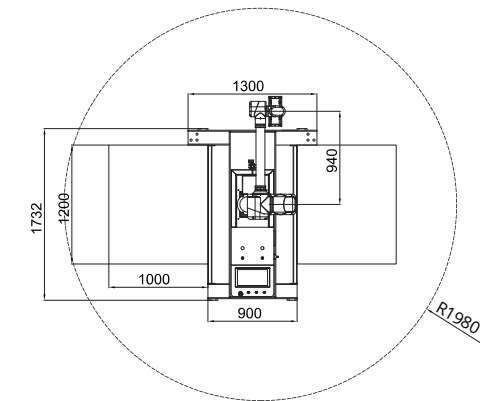
ECONÓMICO Y PRÁCTICO



TECHNICAL PARAMETERS

Model number	WP50L
Maximum load (KG)	40KG
Working radius (mm)	1980mm
Maximum palletizing time (pcs)	≤6PCS/min
Maximum stacking height (mm)	≤2650mm

Horizontal distange
(Specification of cardboard)



Repeated positioning accuracy (mm)	±0.04mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1300mm*1200mm
Equipment appearance size (mm)	L1732mm*W1300mm*H2715mm
Size of wooden box (mm)	L2250mm*W1450mm*H2000mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%,
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT
IP level	IP54
Temperature range	0-50°C
Machine weight (KG)	650kg

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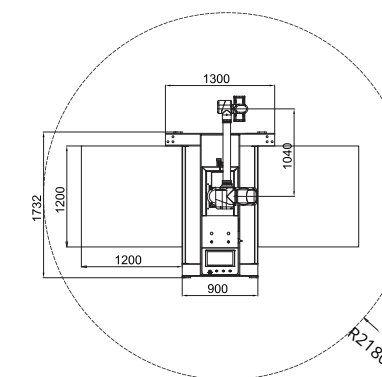
ECONÓMICO Y PRÁCTICO



TECHNICAL PARAMETERS

Model number	WP50XL
Maximum load (KG)	35KG
Working radius (mm)	2180mm
Maximum palletizing time (pcs)	≤6PCS/min
Maximum stacking height (mm)	≤2850mm

Horizontal distance
(Specification of cardboard)



Repeated positioning accuracy (mm)	±0.04mm
Pallet arrangement	Manual, one left and one right
Maximum fitting tray (mm)	1400mm*1200mm
Equipment appearance size (mm)	L1732mm*W1300mm*H2815mm
Size of wooden box (mm)	L2250mm*W1450mm*H2000mm
Maximum power (KW)	3.5KW
Reference air consumption	240-460L/min
Power supply requirement	220V±10%, 50Hz±5%,
Gas supply requirement	0.5~0.7Mpa
Communication mode	EtherCAT接口、扩展IO
IP level	IP54
Temperature range	0-50°C
Machine weight (KG)	650kg

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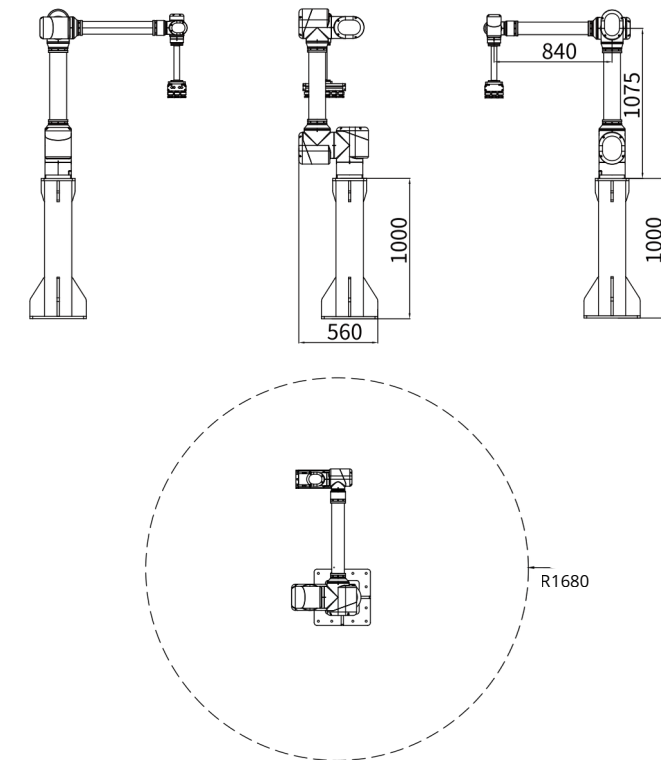
ECONÓMICO Y PRÁCTICO



TECHNICAL PARAMETERS

Machine type	WB-20
load	25Kg
Robot maximum travel	1680mm
Packing time (Pcs/min)	10 PCS
Carton size length (mm)	450
Carton width (mm)	300
Carton size height (mm)	300

Equipment size
Operating range



Total power (kW)	3Kw
Air pressure supply (kgf/cm ²)	5kgf/cm ² , 0.6 Mpa
Net weight of machine (kg)	150Kg
Machine dimensions (mm) (L × W × H)	Host machine: 2000*1250*1300 Electric box: 700*450*1400
Power supply type	AC 220V 50Hz