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# **PCB Extend and Retract gate conveyor**

## **User's Manual**



**Be sure to carefully read this manual before use \* to ensure proper use of the product.**

## **Preface**

Thanks to buy the company's products, the Company to express my sincere thanks. This manual hardware configuration, device operation, and maintenance of electrical diagrams have been described. Please fully understand this manual, the proper use.

Although the contents of this manual seeks to correct, but if there is such as when questions or errors are found, please contact with the company.

## **Warning:**

the device can only be maintained by professional and service personnel or the training of qualified personnel to operate

Before powered, make sure the external input power supply with the device rated voltage and power match

Please equipment of the reliable grounding

all of the mechanical of this equipment, the operation should attention to personal safety

## **Note:**

Please read this user manual carefully before operating this equipment, remember Caution

Do not install this equipment in the vicinity electromagnetic interference source

Do not modify the electric box of hardware and software programs, the transformation in

danger,

please keep this manual press the manual requires maintenance of equipment

Although the contents of this manual are correct, please contact us if you find any doubts or errors.

## packing list:

- Core machine
- User Manual
- as customers have special requirements, please refer to procurement contracts check

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## Preparation before use

- Please use 220V single-phase 50Hz capacity fixed power supply above 200W
  - The machine must be safely grounded and must be connected to the ground bus
  - The ground wire must be well fixed to the metal part of the fuselage
  - To ensure safety, it is forbidden to bring your body close to the running equipment
    - Do not install the machine in dust, oil mist, conductive dust, corrosive gases, flammable gases, moisture, shock, vibration, high temperature and outdoor environment.
    - Avoid using corrosive solvents to wipe the machine, neutral detergent should be used
    - Please keep this price manual for future maintenance and maintenance.

### Notes:

1. There is no reliable grounding and there is a danger of electric shock.
2. After the air is connected, the cylinder valve will act. Please do not put your hand into the machine to prevent pinching.

# Chapter 2 Machine operation

## 2..1 Boot precautions

1. To ensure safety, physical contact with moving parts is prohibited.
2. Check for any debris in the machine.
3. Check for any debris or PCB on the track.

## 2.2 Instructions

### ■ Button function description

- **Automatically** - the knob is turned to the "auto" position word, into the automatic operation device
- **Manual** - When the knob is rotated to the position of "Manual", the device enters the manual operation state
- **Extend** - when running manually, click on the "Extend" button and the docking platform extends out of the rack.
- **Retracting** - When running manually, click the "Retract" button, the docking platform will retract the position in the rack , automatically run the device alarm, click the button, the device alarm clears
- **Pause** - When the "Pause" button is pressed, the docking station platform will no longer extend outside the rack
- **Emergency stop** - when the "Emergency stop" button is pressed, the device stops all running actions



## Chapter 3 Fault Description

### 3.3.1 Fault handling and maintenance equipment must do the following points:

1. The principles familiar with the equipment and electrical schematics.
2. Familiar with the installation position of each mechanical device and electrical equipment in the equipment, and understand its performance and role.
3. Correctly analyze the cause of the fault.
4. Find the faulty part and the failed component
5. Targeted maintenance.

### 3.3.2 Frequently fault causes and troubleshooting

Fault content	cause of issue	Approach
Jam into the board	The height of the left side is different from the height of the upper computer.	Use a spanner wrench to adjust the threaded rod to make the height consistent
Belt does not turn	Motor is damaged or the belt is too loose	Replace the motor or adjust the tension to tighten the belt
The main power switch indicator is off.	The switch is broken, the wire is loose, the power cord Open circuit	Unplug the plug and open it to make the panel. Check if the thread is loose. If it is loose and re-crimped, if it is not loose, please replace the button

# Chapter 4 Maintenance

## Weekly

- Check that the shipping belt is too loose and keep the belt clean.
- Wipe off the dirty oil with a cloth or paper and then lubricate the ball screw.
- Test whether the delivery of the product is smooth.
- Check the belt track for wear.
- Oil the lead screw for at least 2 weeks.