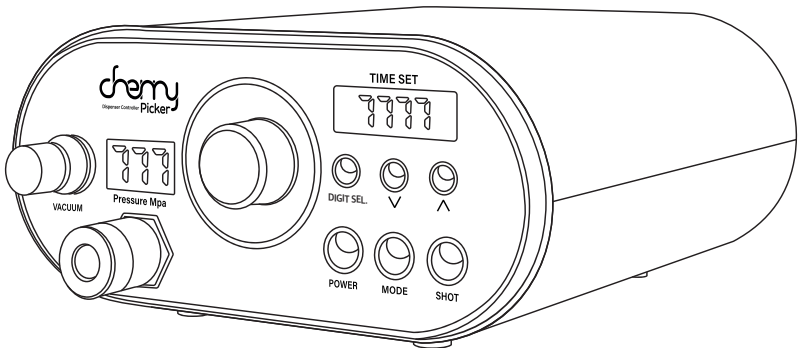


Cherry Picker user Manual

Compact Pneumatic Dispensing Controller



cherry®
Picker

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I . Precautions

Be familiar with the safety precautions and operating methods listed below to prevent damage to this product and any other products connected to it, and use it within the scope of the regulations of this product to avoid any dangers.

- Turn off the power after completion of use.
- Do not disassemble the machine personally and avoid the risk of electric shock.
- Product grounding: This product's power grounding wire must use a reliable grounding wire outlet.
- Power line suitable for use: Use the dedicated electric wire enclosed with this product, check that the power is correct before use, and check that there is no damage or short circuit before use.
- Keep the surface of the product clean and dry, and do not operate it in an environment vulnerable to moisture or corrosion.
- Since the gas source maintains a clean state and there should be no foreign matter and water in the organic matter, it is recommended to attach a filter paper to the gas source. In addition, it is recommended to use a separate regulator for the stable supply of compressed air.
- When connecting or disconnecting the compressed air pipe, be careful not to cause air leakage due to damage to the fitting.
- In case of an error, contact our technical sales department. (82-32-832-5920)

II . Product description

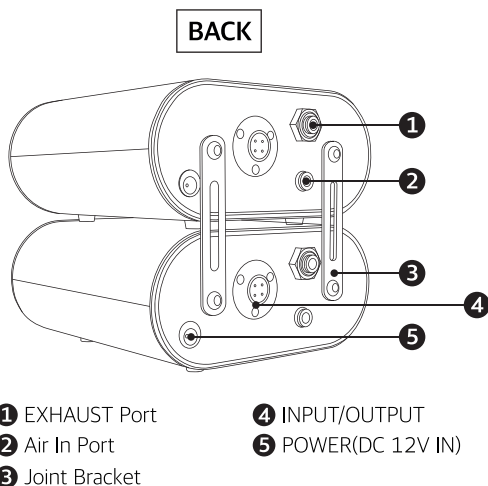
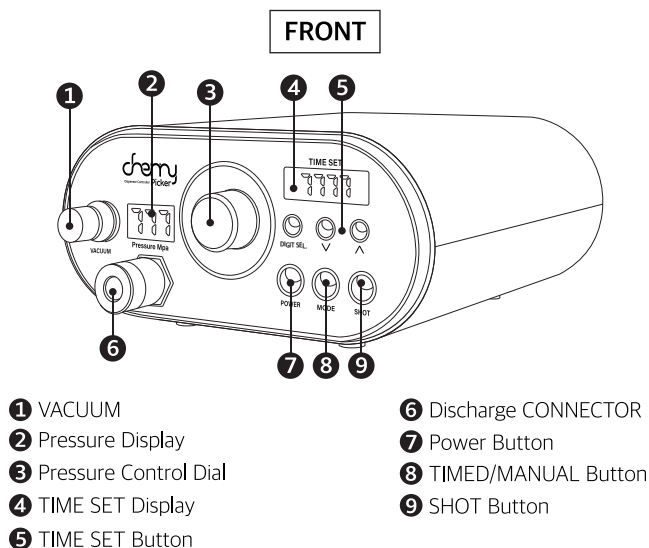
Cherry Picker is a low-cost model of our high-precision pneumatic calibration dispenser cherry, optimized for large-scale dispensing processes. It can be used in large quantities in production lines that require dispensing processes such as precision machinery and high-tech product manufacturing processes. Its sophisticated design, simple manipulation, and compact composition only contain the core of ‘Cherry’.

Connect the syringe containing the liquid and use it after setting the pressure, vacuum, discharge time. We provide you 2 Mode. The first is TIMED Mode which discharges as much as the time set by the user. The Second is MANUAL Mode which discharges manually. Cherry Picker allows flexible utilization for various processes.

1. Product Specifications

Item	CHERRY Picker
Product Overview	Compact Pneumatic Dispensing Controller
Discharge Mode	TIMED/MANUAL
Discharge time Setting Range	0.01~ 9999sec
Discharge Pressure Setting Range	0 ~ 0.7 Mpa
Vacuum Pressure Setting Range	0 ~ -0.1Mpa
Display Method	Digital
Supply Air Pressure	MAX 0.8Mpa (Discharge pressure + less than 0.1Mpa)
Power	12V/1A
Dimension	W155 X D183 X H75 (Including All Protrusions)

2. Product Appearance & Name of Each Part



3. Components

No.	Item	Quantity
1	Cherry Picker Body	1set
2	4P I/O Connector	1ea
3	Power Cable	1ea
4	Foot Switch	Option
5	Silencer for Exhaust Port	Option
6	User manual	1ea

III. How to Install & Operate Equipment

1. Preparing to use the Equipment

- ① Connect the air supply source to the AIR IN PORT at the rear of the equipment to supply air.
- ② Connect the syringe of the desired size and the adapter tube to the discharge connector on the front of the equipment.
- ③ Connect the discharge interlocking device such as a robot to the 4P connector on the rear of the equipment.
- ④ After connecting the power cable to the power at the rear, turn it on by pressing the front ON/OFF switch.

2. Discharge Mode

(1) TIMED MODE

Whenever the shot button is pressed, it is discharged for a preset time. With the AUTO mode off, operate it with the TIMED/MANUAL button on the front of the equipment in the TIMED state.

(2) MANUAL MODE

Operate the TIMED/MANUAL button on the front of the equipment in the MANUAL mode, which causes the liquid to discharge during the time the shot button is pressed.

3. How to Operate

- ① Set discharge pressure, vacuum pressure, discharge time according to the desired discharge volume.
- ② The required pneumatic pressure can be set through the vacuum control dial. Turning to the left makes the vacuum stronger, and turning to the right makes the vacuum weaker. (Turn all the way to the right to disable the vacuum)
- ③ The required discharge pressure can be set through the pressure control dial. Turning to the left lowers the discharge pressure, and turning to the right increases the discharge pressure. The pressure changing in real time can be seen in the display window directly to the left of the pressure control dial.
- ④ TIME SET Button allows you to set the discharge time in TIMED Mode. First, press MODE button to select TIMED MODE. The user can select the number of digits to change from right to left by pressing DIGIT SEL button. Then, the selected digit will flash. The user can set the desired time via the UP, DOWN button. To change the decimal point position, you can use the SHOT button. Whenever you press the SHOT button, the decimal point will be moved from right to left. You can escape from all time settings by pressing the MODE button.
- ⑤ At the end of the above operation, the required mode can be selected during the TIMED/MANUAL mode, and the required mode can be released when the Shot button is pressed.

Cautions

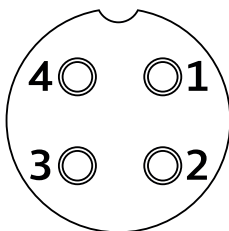
1. Be sure to study and work on precautions before using the device.
2. If you set the vacuum pressure too high, it can cause entering liquid to the machine.
3. The equipment and the environment of the equipment should be kept clean at all times before and after the use of the equipment.

4. Contextual Response Manual

Abnormal Situation	Response
When the vacuum becomes weaker than the set value	<ol style="list-style-type: none"> 1. Check if anything is blocking the rear exhaust port and remove it 2. Check if the air supply is smooth
When you press the shot button or give a discharge signal, but the discharge does not work	<ol style="list-style-type: none"> 1. Check if the air supply is smooth 2. Check if the discharge time is properly entered 3. Check if the pressure setting is correct
<ul style="list-style-type: none"> • In the event of an abnormal situation, take measures in order from the first response method. • If the abnormal situation is not resolved after taking the above measures, or if any other abnormality occurs, please contact our technical sales department. 	

5. External Input/Output Signal

(1) I/O 4 PIN



PIN No.	Func.
1	GND(SHOT)
2	I/O IN(SHOT)
3	OUT(END)
4	GND(END)



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