

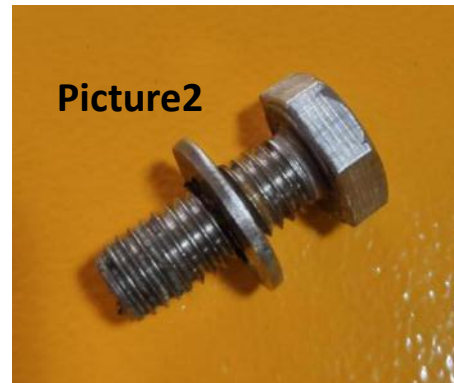
Operation—ZCZY-CS8

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Operation —How to stack two units of Incubator shaker

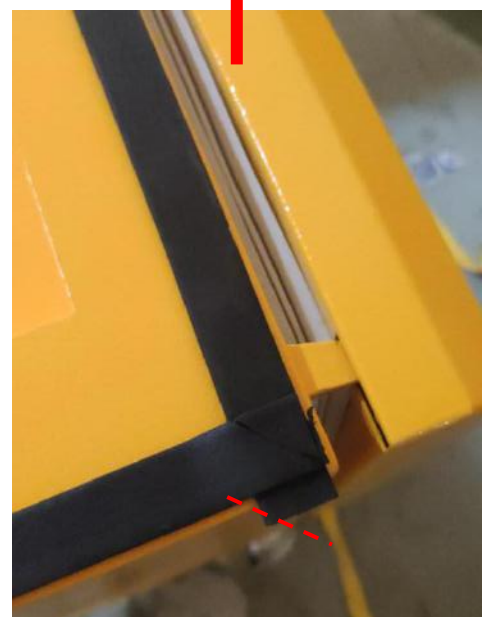
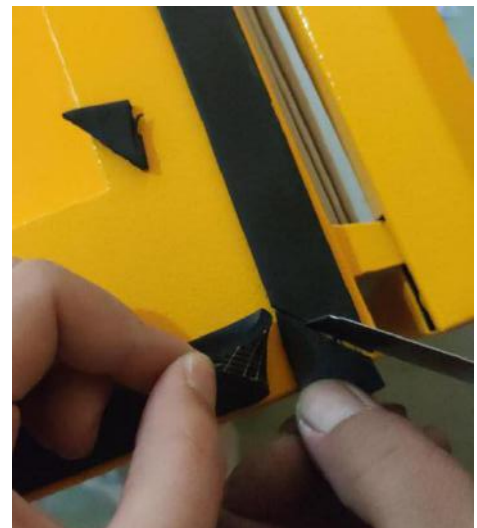
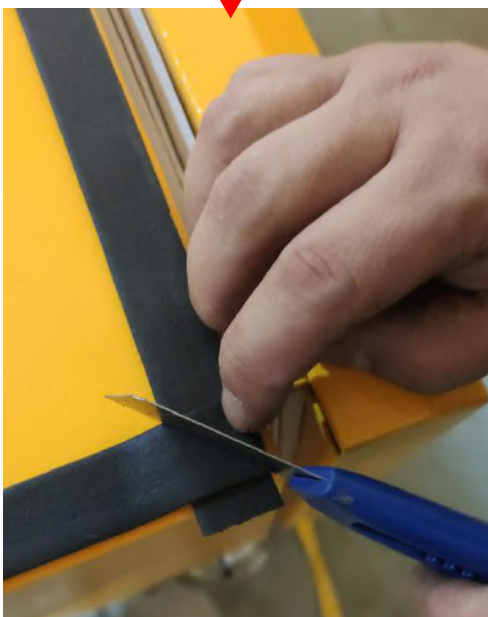
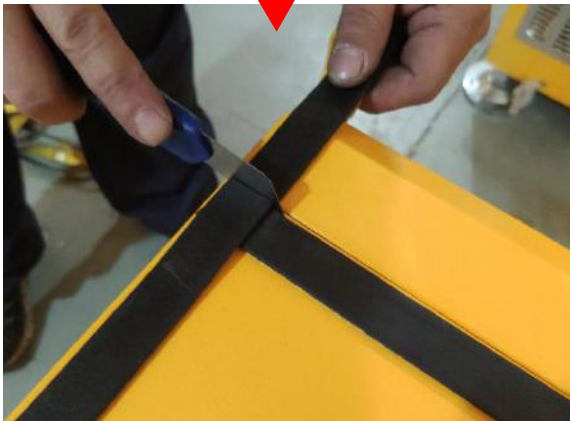
一、 Required tools:

- a. Internal hexagonal wrench (**Picture1**)
- b. Screws (**Picture2**)
- c. Shock absorbing strip (**Picture3**)
- d. Utility knife (**Picture4**)



二、 Operating steps:

1. Attach the shock absorbing strip to the top of the machine, align with the top edge, and cut off the extra parts(along diagonal).



2. Use a utility knife to cut out a rectangle and expose the screw holes to prepare for subsequent stacking installation.



3. Stack two units of the machine.



Note: The upper and lower holes are aligned.

4.Install the screws of both side of the machine by internal hexagonal wrench.



Foots installation

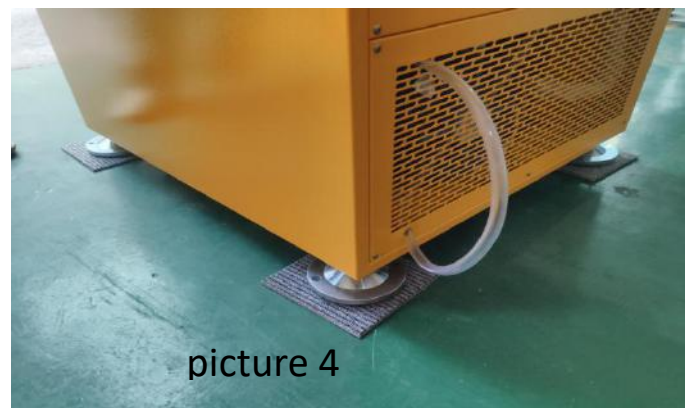
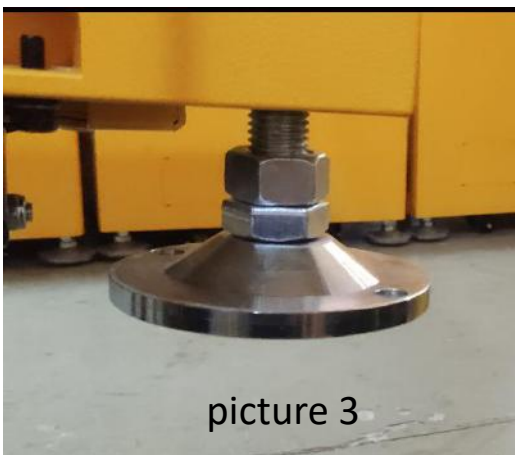
一、Foots installation

Required Tools:

- 1.No.36 Wrench (picture 1)
- 2.Foots: 4 (picture 2)

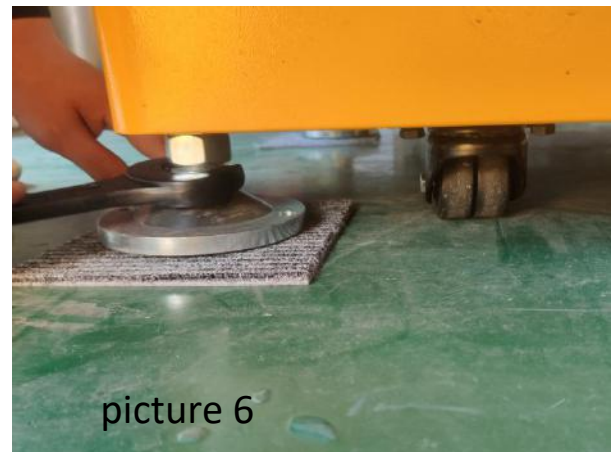
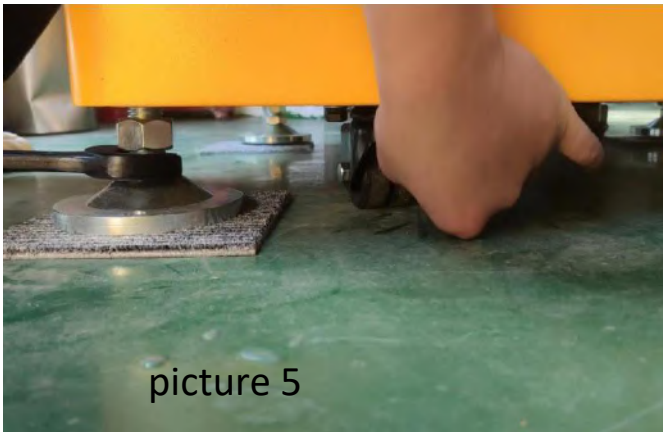


二、Operating steps:



1. There are two screws, the lower one is used to adjust the height, the upper one is used to fix. (picture 3)
2. Put the foot pads under the four feet. (picture 4)

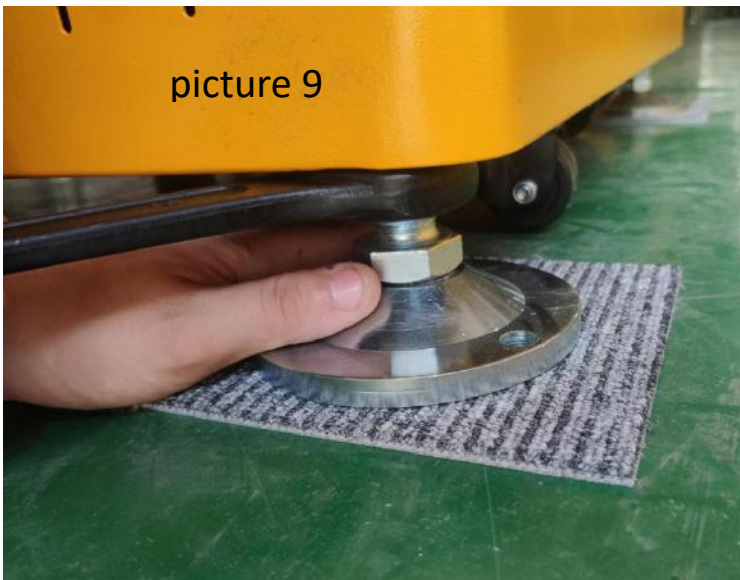
3. The lower screw is turned in below clockwise by 36 wrench until the caster can leave the ground .When tightening the foot, hold the wrench in one hand and the caster in the other hand. (picture 5,picture 6)



4. If it has 3 units, first to turn on the middle and bottom units and adjust the speed to 180rpm. Then you can touch the feet by your hand and make small adjustments when you feel shaking.



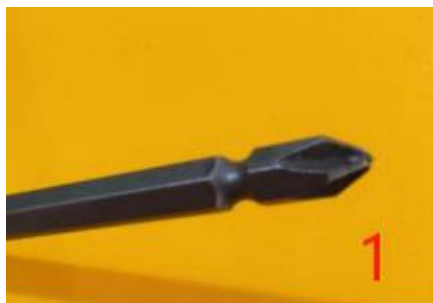
5. when you don't feel shaking about four feet, turn the upper screw. (Picture 8)
(Note: Do not tighten at this time, reserve some space that can be loosened.)
6. Turn on the third unit and adjust the speed to 180 rpm. Then you can touch the feet by your hand and make small adjustments when you feel shaking.
7. When the 3 units are running at the same time and the foots are not shaking, the upper screw can be tightened. (Picture 9)



How to pass CO₂ gas

一、Required tools:

- 1、phillips screwdriver
- 2、Adjustable wrench
- 3、Red pipe
- 4、Flow meter
- 5、Pressure reducing valve
- 6、CO₂ cylinder



二、Operating steps:



1. Fix the flow meter on the machine using screws, and transfer the pipe of bottom interface to the machine.



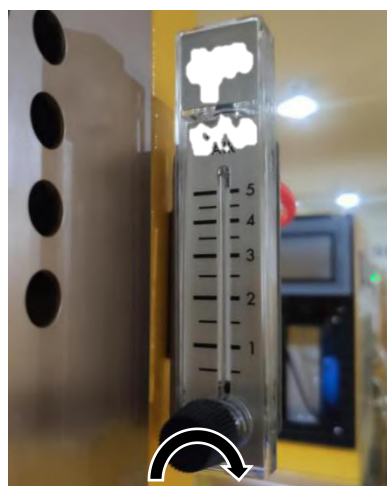
2. Connect the pressure reducing valve to the CO2 cylinder and tighten the screw by adjustable wrench.



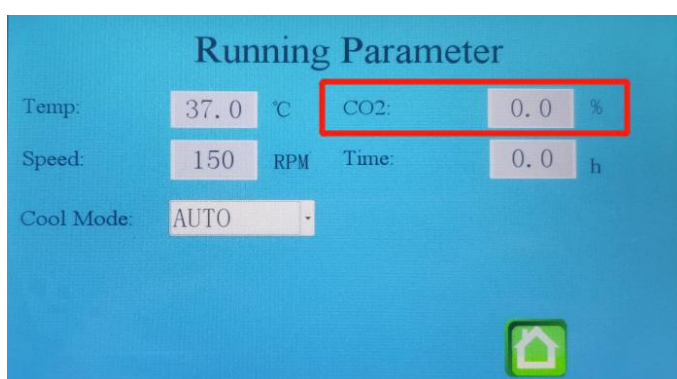
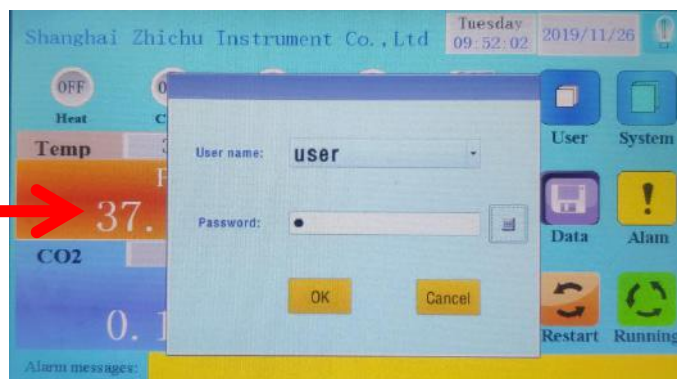
3. Connect the two ends of the red pipe to the interface below the flow meter and the pressure reducing valve.



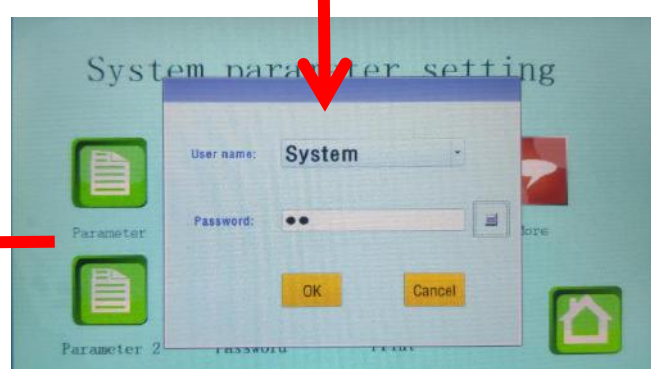
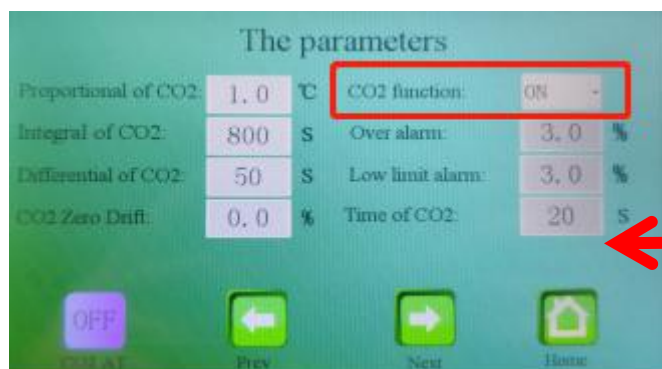
4. Turn the knob of the pressure reducing valve counterclockwise to the loosest position to prevent overshoot of CO2, and the pressure reducing valve is broken. The knob of the flow meter is adjusted clockwise to the tightest and the value is adjusted to the minimum.



- Turn on the machine and click “Running parameters”, then select “user” and enter password “3”, adjust CO₂ concentration. (Range 0-20%)



- Click “System parameters”, and select “System” and enter password “12”, then make sure “CO₂ function” is open.



7. open the valve of CO₂ cylinder and adjust the value of Pressure reducing valve to “0.05” (the dial on the left), and adjust the value of the flow meter to the scale “4”.



8. Finally, after the flowmeter is turned on, the pressure value will become smaller, and it needs to be adjusted again.



❖ Testing method:

After switching on the CO₂, there are two ways to verify that the gas pipe connection is leaking:

1. Apply soapy water to the interface below the flowmeter. If there is a bubble, it indicates that the pipe is leaking.
2. Pressure test method: set the CO₂ concentration to 0%, then close the CO₂ cylinder valve, observe whether the value of the value of pressure reducing valve changes, if the value becomes smaller, the gas pipe leaks.