

Custom LED UV Curing Chamber 300mm x 200mm



SKU: 510229-365

Custom LED UV Curing Chamber

User Manual

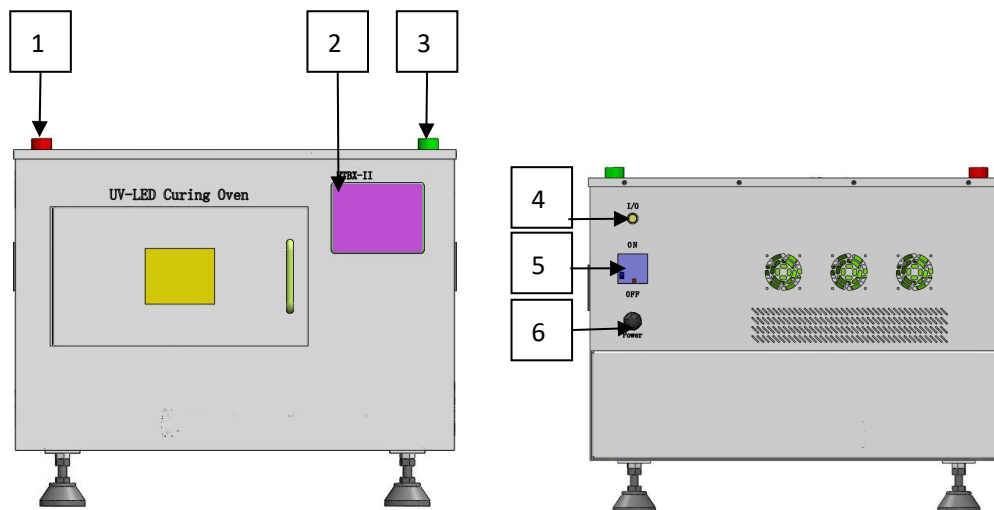
Please read this user manual carefully before using the product

1. Overview

- Equipped with intelligent safety door protection function, the UVLED light is immediately turned off when opening the door in any mode.
- It provides automatic and manual mode options. In automatic mode, it works according to the irradiation time you set and cycle numbers. The UV LED lamp will automatically turn off after the number of cycles or time; In manual mode, it needs to be turned on manually. The UV LED lamp will be turned off when the time is up.
- Equipped with functions such as digital dimming, production counting, historical data query, formula data, etc.

2. Main structure and working principle

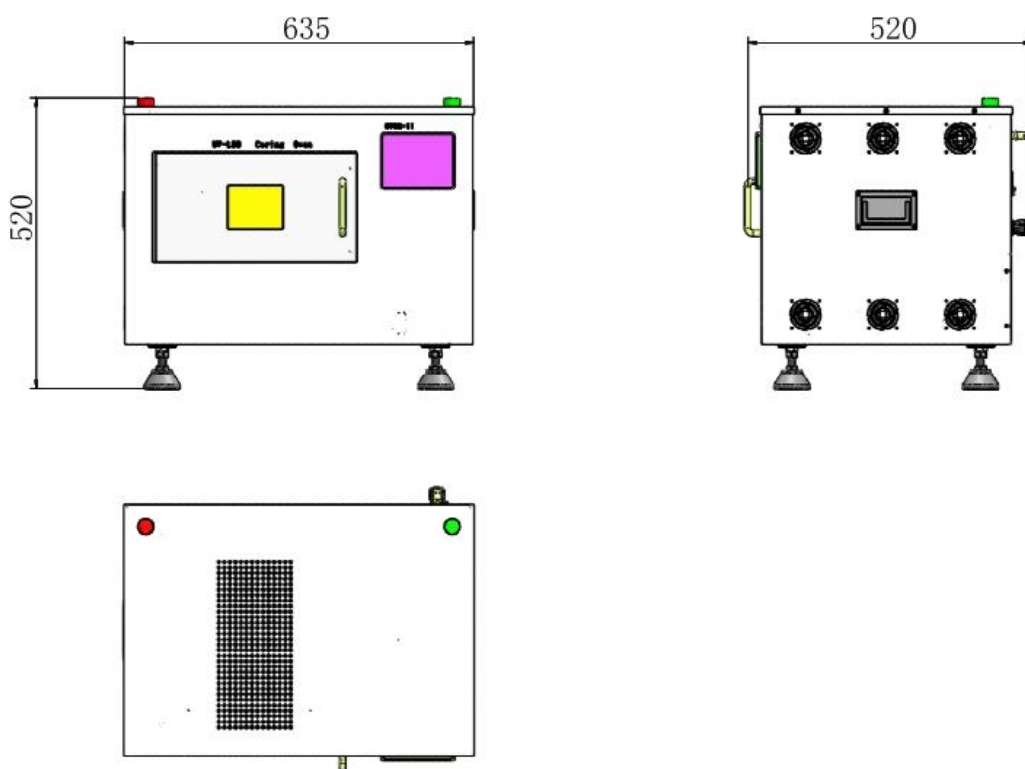
2.1 Main structure



1. Buzzer	Abnormal alarm
2. Touch screen	Display the current real-time power, temperature, irradiation time and other parameters, at the same time start, stop the oven operation and parameter settings

3. Indicator light	Indicates whether the power is on or off
4.IO terminal	Connecting the foot pedal signal cable
5. Leakage switch	Main switch for power supply
6. Power cord	External input power cord for oven

2.2 Dimensions:



3 . Main performance parameters

Overall dimensions	635mm*520mm*520mm (L*W*H)
Power	Single phase AC110V 60HZ
Power consumption	600W (current 6A)max
Emitting window	300mm*200mm
Wavelength	365nm
Optical power	500mW/cm ²

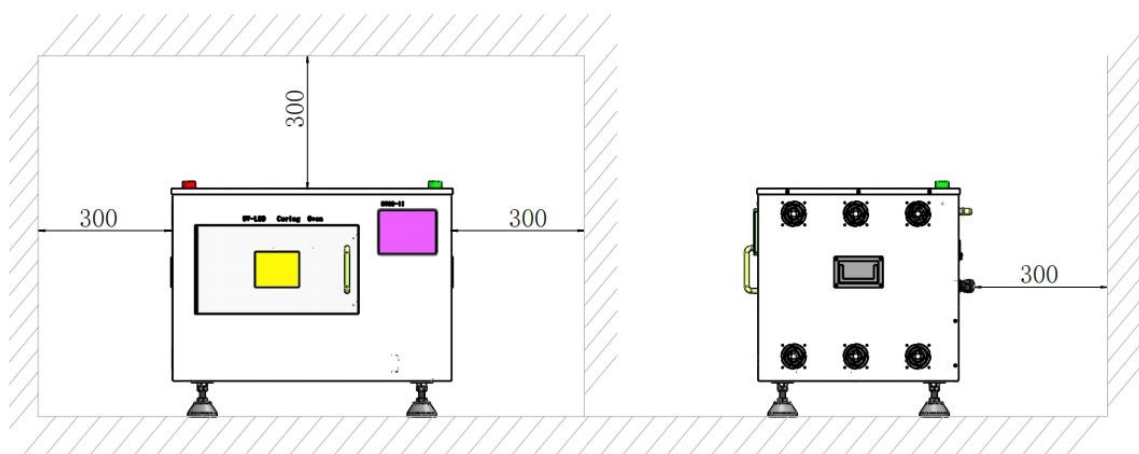
Cooling method	air cooling
Net weight	41KG
Operating Temperature	-10°C to 50°C (non-corrosive, no dust)
Working environment humidity	10% - 80% RH without condensation

4. Installation

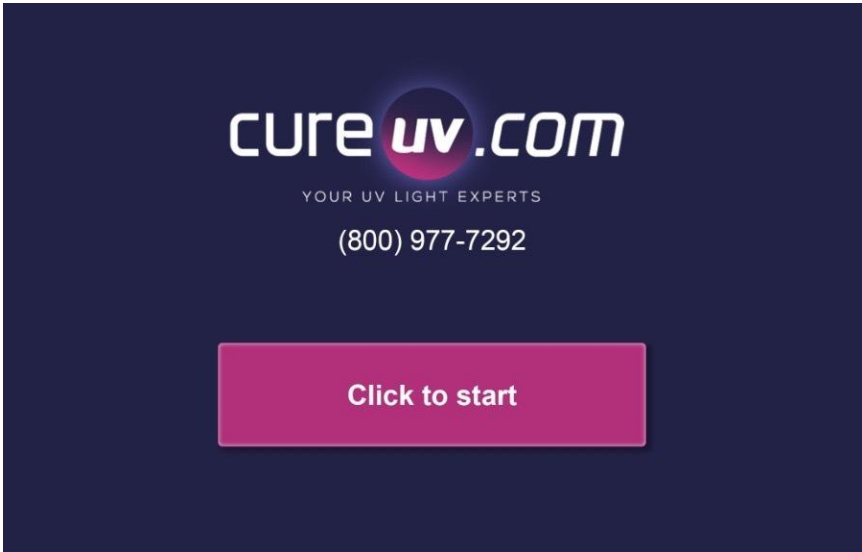
Installation precautions: Open the package, check whether the UV oven is in good condition, and whether the accessories are complete (product + foot pedal).

Installation sequence:

- Put the UV LED OVEN in right place,the working environment needs ventilation to ensure effective heat dissipation of the machine.
- Plug the power cord, first confirm whether the power supply type matches the machine; High voltage danger, please check perform relevant operations in a power off state.
- Foot pedal installation, the aviation plug on the foot pedal corresponds to the dedicated interface at the rear of the machine, which can be inserted and tightened (Please install as needed).
- Installation space requirements, with a minimum spacing of 300mm, as shown in the following figure.

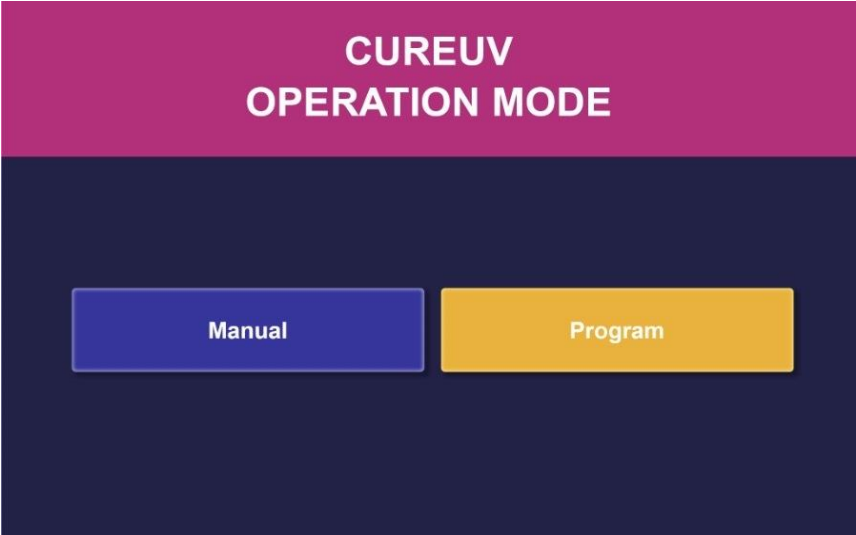


5. Operating instructions



Boot page

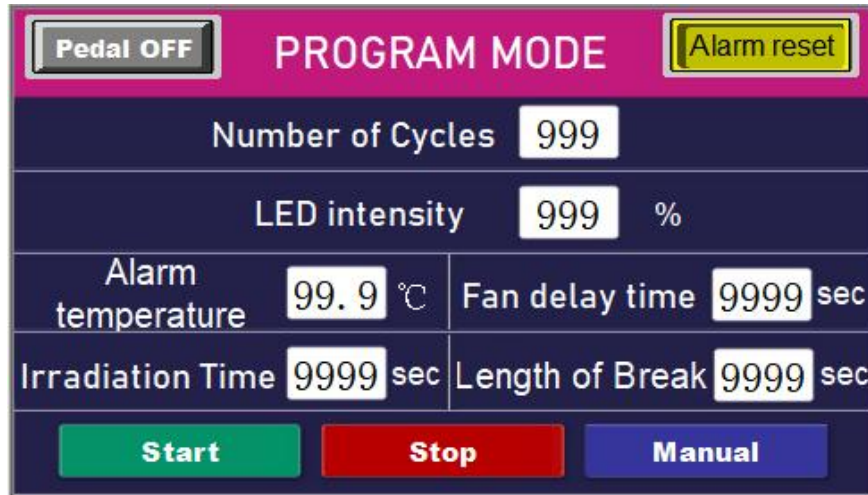
Click the "Click to start" to enter the monitoring page.



Select Manual / Program mode

Program Mode:

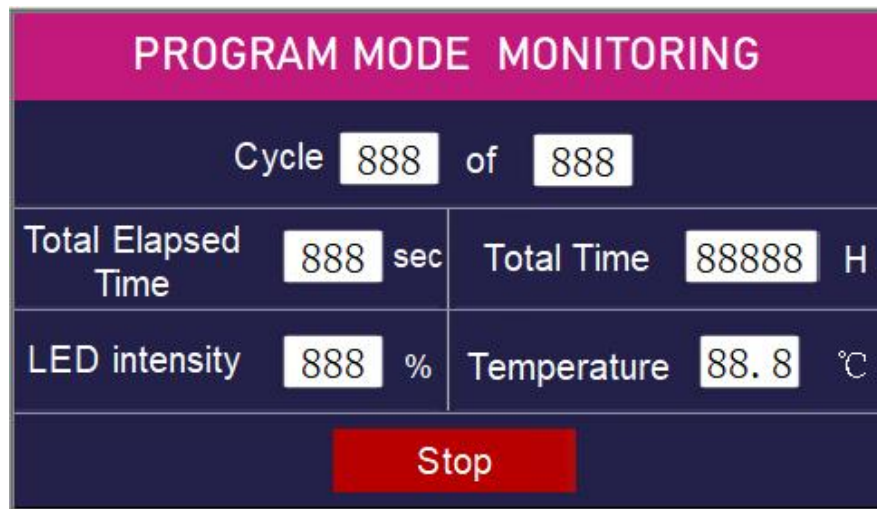
Click Program to go to the program page



Program mode page

Number of Cycles	Setting of cycle times, cycle running according to the set number of times when working, and end running after accumulating to the set number of times.
LED intensity	UV LED power output setting (range: 1-100%)
Alarm temperature	Alarm temperature setting (range: 0-65°C)
Fan delay time	Fan delay off time (range: 0-999S)
Irradiation Time	UV LED exposure time (range: 0-999S)
Length of Break	UV LED irradiation interruption time (range: 0-999S)
Pedal OFF/ON	Foot pedal switch, (the start button on the page is ineffective when turned on and requires a foot pedal to activate)
Alarm reset	Alarm reset button, release the cause of the alarm and then press the button to release the alarm
Start	Turn on
Stop	Stop work
Manual	Switch to manual page

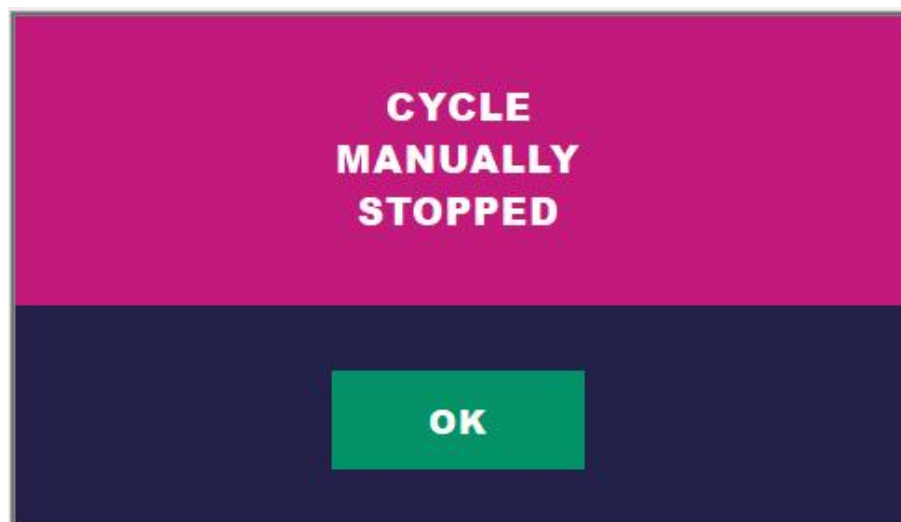
Click Start, run and go to the program mode monitoring page



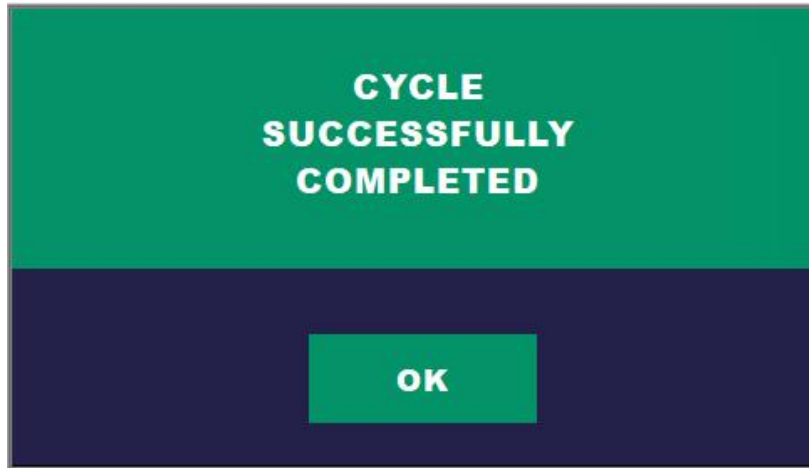
Program Monitoring

Cycle □ of □	Displays the current number of cycles and the accumulated number of cycles
Total Elapsed Time	Display of operating exposure time
Total Time	Displays total cumulative UVLED exposure time
LED intensity	Displays current operating power
Temperature	Displays the current lamp temperature
Stop	stop button

If you stop manually before the end of the run, the manual stop confirmation page will pop up, click OK to return to the program setting mode page.

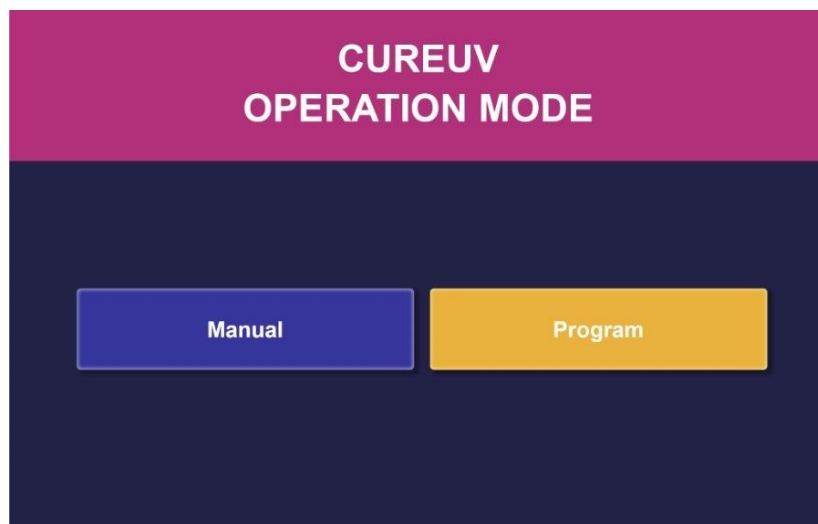


When the autorun finishes the completion page pops up, click OK to go back to the program mode page



Manual Mode:

On the mode selection page, click Manual to enter the manual mode page.

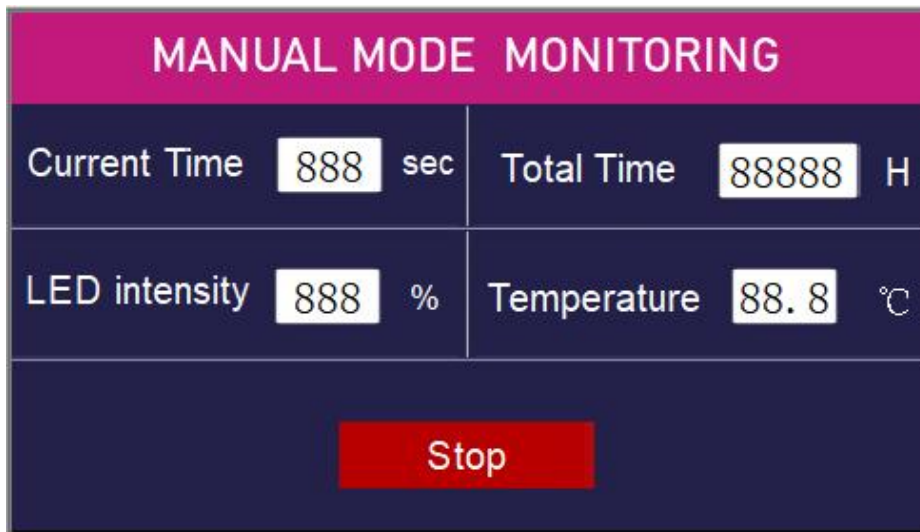




Manual Mode

Led Intensity	Manual power setting (range: 1-100%)
Timer	Setting of irradiation time (setting range 0-999S, if set to 0 it runs all the time, if greater than 0 it runs in countdown)
Alarm temperature	Alarm temperature setting (range: 0-65°C)
Administ	Administrator function, enter the correct password (password: 891227), can be shielded from the security door sensor, to achieve the function of opening the door does not extinguish the light
Pedal OFF/ON	Foot pedal switch, (the start button on the page is ineffective when turned on and requires a foot pedal to activate)
Alarm reset	Alarm reset button, release the cause of the alarm and then press the button to release the alarm
Start	activation button
Stop	stop button
Program	Switch to the program page

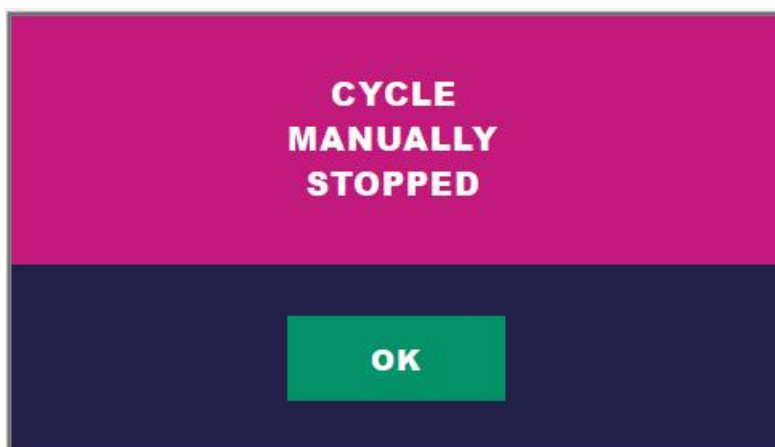
Click Start, and when it runs, it jumps to the manual monitoring page.



Manual Monitoring

Current Time	Display the current running time, cumulative time when set to 0, countdown time when set to more than 0
Total Time	Displays the cumulative total exposure time of the UVLEDs
LED intensity	Displays current operating power
Temperature	Displays the current lamp temperature
Stop	stop button

Manual stop will pop up the manual stop confirmation page, click OK to go back to the manual mode page.



When the countdown is complete, the completion page pops up, click OK to return to the manual mode page





Temperature alarm pop-up window will appear when the temperature exceeds the set alarm temperature during operation.



Alarm pop-up when opening the security door when curing is not complete



Examples of quick operations

	<p>1. Click on  and  to go to the program page</p>
	<p>2. Setting parameters, specifically within the parameter range according to the product required settings</p>

Program mode

Number of Cycles <input type="text" value="999"/>	
LED intensity <input type="text" value="999"/> %	
Alarm temperature <input type="text" value="99.9"/> °C	Fan delay time <input type="text" value="9999"/> sec
Irradiation Time <input type="text" value="9999"/> sec	Length of Break <input type="text" value="9999"/> sec

Click to start running, a pop-up monitoring page will appear

Cycle <input type="text" value="888"/> of <input type="text" value="888"/>	
Total Elapsed Time <input type="text" value="888"/> sec	Total Time <input type="text" value="88888"/> H
LED intensity <input type="text" value="888"/> %	Temperature <input type="text" value="88.8"/> °C
<input type="button" value="Stop"/>	

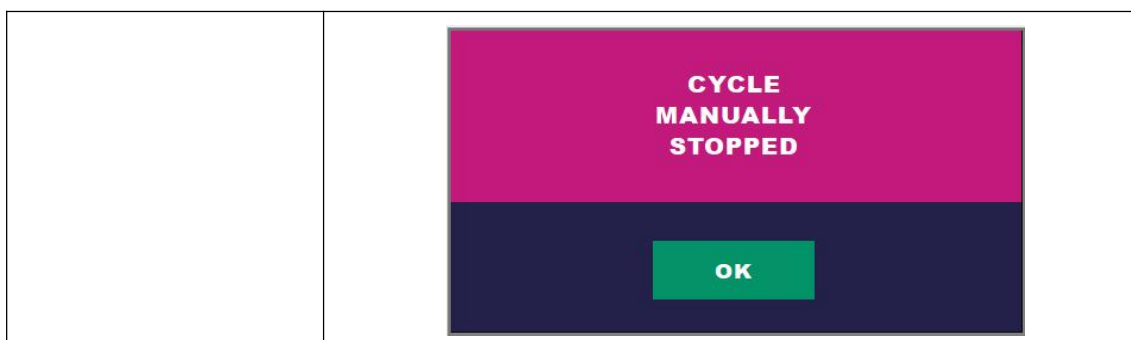
3. When the autorun finishes, the CYCLE SUCCESSFULLY COMPLETED page will pop up, click OK to confirm and return to the program page.

**CYCLE
SUCCESSFULLY
COMPLETED**

4. If you click in the middle of the program, it will pop up the manual stop page and click OK to return to the program page.

**CYCLE
MANUALLY
STOPPED**

manual mode	<p>1. Click on  and  to go to the manual page</p>
	<p>2. Set the parameters, specifically in the parameter range according to the product required settings</p> 
	<p>Click  to start running, a pop-up monitoring page will appear</p>
	
	<p>3. When the autorun finishes, the END OF TIME page will pop up, click OK to confirm and return to the program page.</p> 
<p>5. If you click  in the middle of the process, the manual stop page will pop up and click OK to return to the manual page.</p>	



6. Common faults and treatment methods

Fault phenomenon	Reason for failure	Treatment
No power on	Poor power cord contact	Check the power connector, power cord for good contact.
	Leakage protection tripped	Open the machine's electric control cabinet and check whether the leakage protector is normal and has good contact.
Over Temperature Alarm	<ol style="list-style-type: none"> 1 Alarm temperature setting is too low. 2 Temperature sensor failure. 	<ol style="list-style-type: none"> 1 Set the alarm temperature to 65°C. 2 Enable the backup temperature sensor. (Contact factory)
UV lamp does not light up	<ol style="list-style-type: none"> 1 Control wire is loose and miswired. 2 Alarms appear. 3 Door Sensor Failure 4 Other reasons 	<ol style="list-style-type: none"> 1 Strictly follow the wire number wiring and tighten the screws. 2 Follow the touch screen prompts to troubleshoot the alarm. 3 Replacement of sensors 4 Contact the manufacturer to provide a failure analysis.

7. Maintenance of equipment

- Clean the surface dust every day to keep the body clean, and clean the dust of the cooling fan port regularly to keep the cooling channel normal (normally cleaned once a month, depending on the environment).
- Turn on the light to check whether the UV lamp is irradiated according to the set power, if it is abnormal, stop working, contact the staff for inspection, or contact the manufacturer.
- Equipment running for a month should be systematic maintenance, UVLED glass inspection, to see whether the pollution, UV lamp aging and other work.

8. Cautions

- Make sure the power cord is in good contact and the ground wire is reliably grounded!
- Make sure the working voltage of UV LED oven is stable and normal!
- Power supply frequency mismatch will cause machine damage!
- It is an industrial equipment, non-professionals please do not disassemble!

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