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High-Powered LED UV Curing Chamber with Rotating Tray (523mm L x 460mm W x 200mm H)



SKU: 302139-365

High-Powered LED UV Curing Chamber with Rotating Tray

User Manual

Please read this user manual carefully before using the product

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1. Precautions

1) Make sure that the power cord is in good contact and the ground wire is reliably grounded

2) Please ensure that the working voltage of the UV oven is stable and normal

3) Mismatched power frequency will cause damage to the machine, please make sure your outlet is compatible with the system

4) Do not disassemble UV LED radiation head, it may cause UV light leakage.

5) To install or remove the UV LED head, be sure to turn off the power.

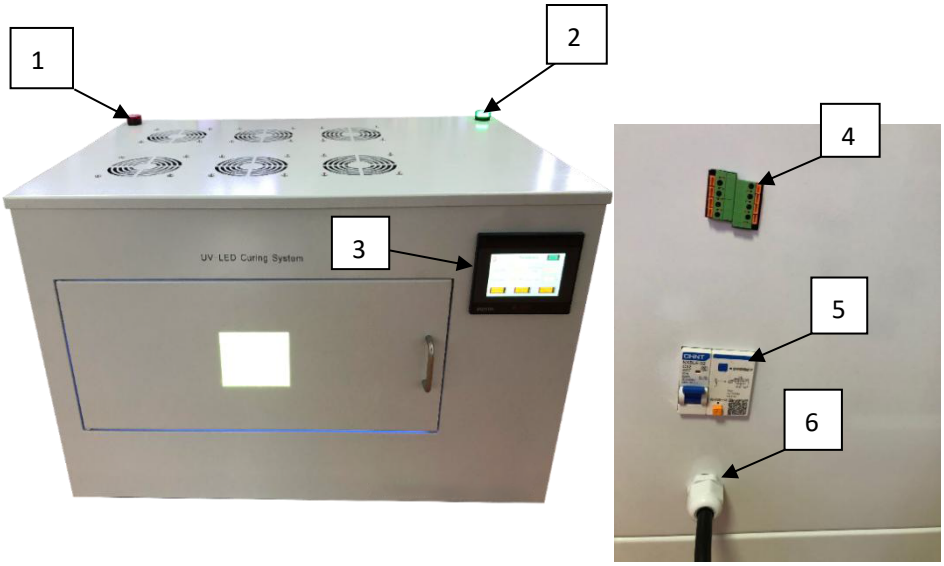
6) Do not use corrosive cleaners such as thinner, volatile oil, acetone, kerosene when cleaning the irradiation head and controller regularly. Please use a small amount of ethanol on a soft cotton cloth and carefully wipe.

7) To ensure the worker's safety and device well-being use in a cool, dry, ventilated, no high magnetic field, no high electric field environment.

8) UV LED light exposure is harmful to humans, prevent direct contact eyes or skin.

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2 . Components and features



1. Buzzer	An alarm will ring to indicate if the temperture is abnormal
2. Power Indicator	Indicates when the is power ON
3.Touch Screen	Displays real-time information collected while working such as current power, temperature, irradiation time , and more.
4. IO Terminal	Designed ports for connecting the foot pedal signal line
5. Leakage Switch	Main power switch
6. Power Cable	Oven external input power cord

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3. Installation

Installation precautions: Please check the condition of the UV oven

before installing and connecting to power.

Installation sequence: 1. Put the oven in right position

2. Plug in the power cord and check if the power current is working correctly

4 . Operation Instructions and Interface use

4.1 Operation Instructions

1. Turn the curing oven on using the ON/OFF switch.

2. Set parameters and select the corresponding function.

3. Place the product intended to cure in the oven, and close the door.

- On manual mode: press "Start" to get the oven working, then press "Stop" or open the oven door to stop work.

- Under automatic mode: close the door for the oven to start working, which will set the count down for the curing time, let the oven work for the predetermined time, it will automatically stop working when the timer reachs 0.

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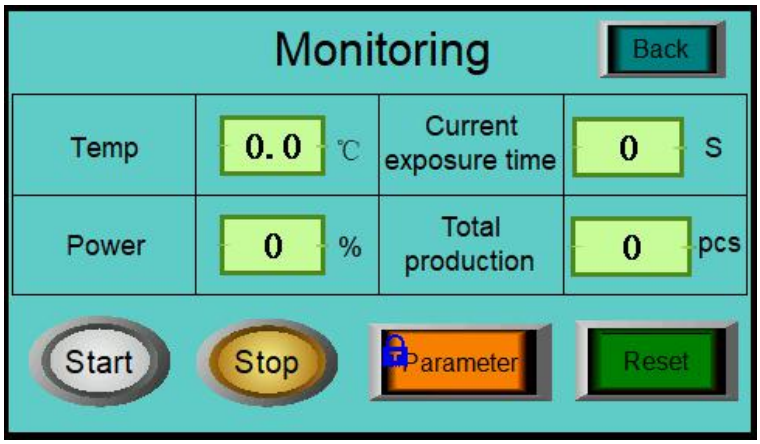
4.2 Interface use

Boot screen



Click the "Click to use" button to enter the monitoring interface.

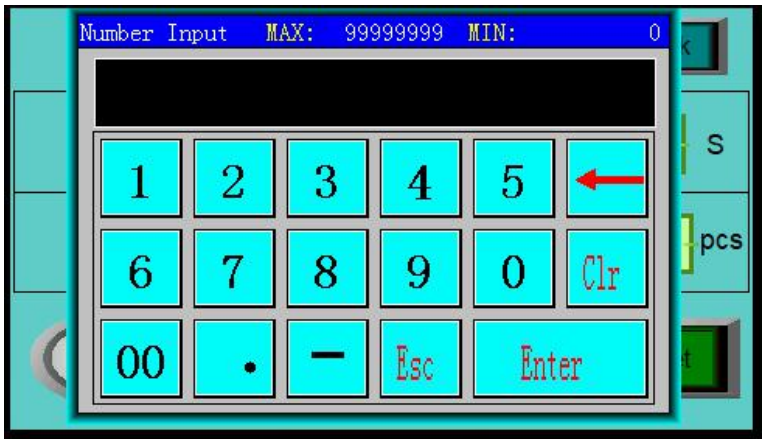
Monitoring screen



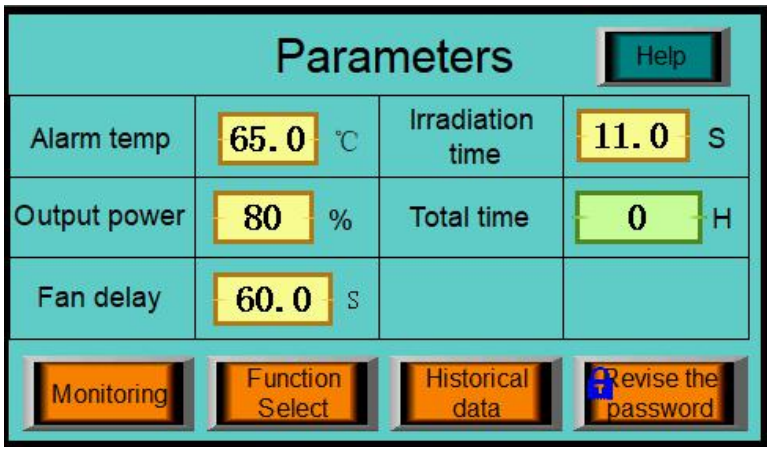
Temp	Current UVLED real-time temperature
Power	Current UVLED output power
Current exposure time	Current UVLED irradiation time
Total production	Production quantity statistics
Start	Start to work
Stop	Stop to work
Parameter	Jump to the parameter settings
Reset	Clear production quantity statistics

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Click "Parameter" to display the following screen, then enter "**666888**", and click "Enter".



After getting permission, go to "Parameter".



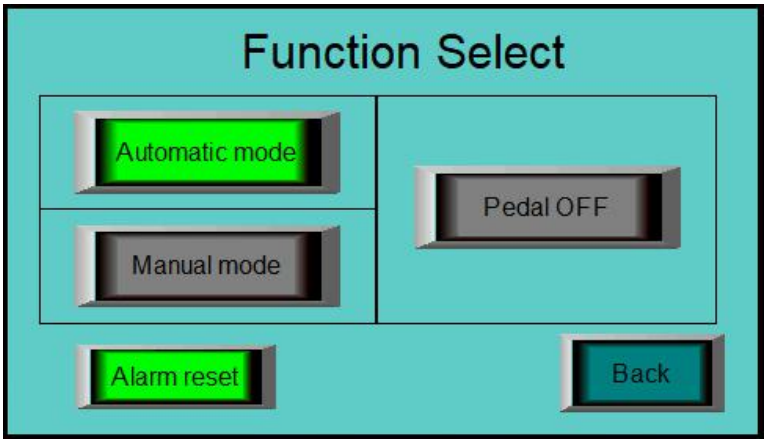
Parameter settings

Alarm temp	When the real-time temperature of the UVLED chamber oven surpasses the alarm temperature set, the UVLED is forcibly turned off and an alarm starts ringing to warn the operator (the alarm temperature setting range: 60℃-65℃)

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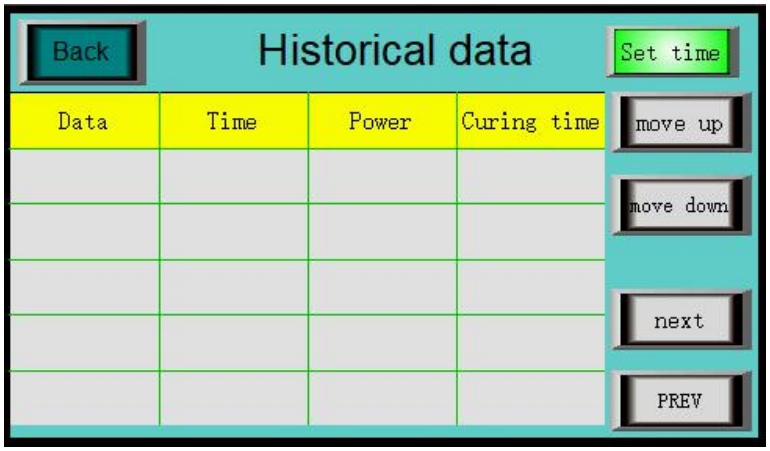
Output power	UVLED output power setting (range: 0-100%)
Irradiation time	UVLED irradiation time in automatic mode (range: 0-99.9S)
Total time	Acumulative UVLED historical irradiation time
Fan Delay	After the UVLED is turned off, the cooling fan will stop after a delay (range: 0-999.9S)
Help	Introductions to basic operation
Monitoring	Return to the monitoring interface
Function Select	Designed space to enter the function selection interface
Historical data	Store the irradiation time of each product with its corresponding irradiation power (the maximum storage is 100,000). Please note it will automatically overwrite the first data if it is full

Function selection screen



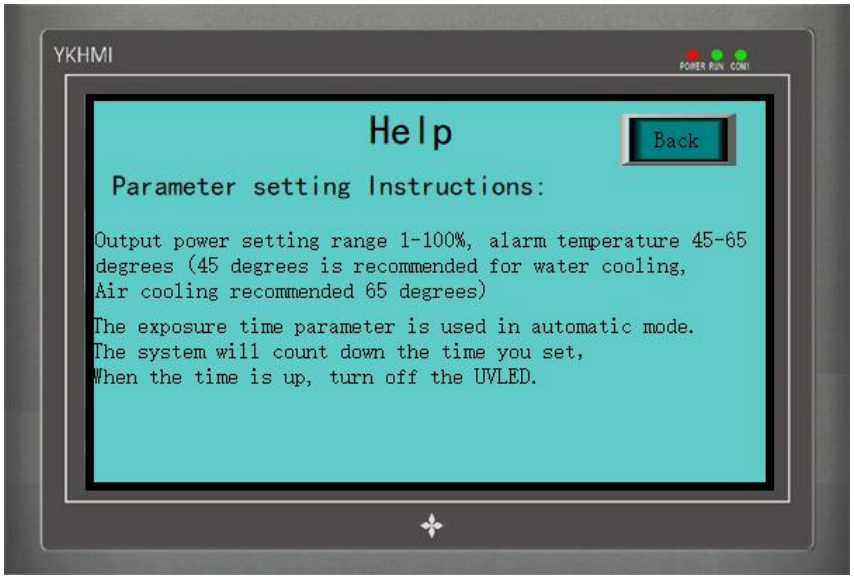
Automatic mode	When the door closes, the oven will start working and counting down, the UVLED lamp will turn off automatically when the time is up. You can turn it off earlier on the process by opening the door or pressing the "Stop" switch.
Manual mode	Close the door, the UVLED will turn on and start counting time (ie cumulative timing), open the door or click "Stop" to turn off the UVLED
Pedal OFF-ON	Foot pedal switch: After selecting this function, the "Start" button becomes invalid. This function must be used in conjunction with automatic mode or manual mode, (for example: automatic mode + foot pedal function, close the oven door, step on the foot pedal once to turn on the UVLED lamp and start the countdown, turn off the UVLED lamp automatically when the time is up, open the door halfway or click "Stop" to turn off the UVLED)

Historical data



Store the production date, time, irradiation power, and irradiation time of each product.

Help screen



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5. Main performance parameters

Dimensions	780L*550W*520H（mm）
Power supply	AC220V ±5% - 50HZ Single phase
Control mode	PLC
UVLED wavelength	365nm
Emitting window	500*400mm
Optical power adjustment	0-100% adjustable
cooling method	Fan cooling
Working temperature	-10℃- 40℃
Working environment humidity	10%--80%RH No condensation
Power consumption	≤2000W

6. Troubleshooting

Failure phenomenon	Cause of failure	Approach
No power on	Poor contact of the power cord	Check the power interface, whether the power cord plug is in good contact.
	Fuse blown	Open the electrical control cabinet of the machine and check whether the fuse is normal and whether the contact is good.

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