

# UV curing machine instructions

## 1. Overview

1 ) The UV dryer has novel design , beautiful shape, good practical operation performance, famous brand lamps and imported speed regulating motors; its curing effect or technical parameters far exceed similar products; the operability and controllability of the imported speed regulating motor can fully meet the required requirements; the Teflon conveyor belt is a high temperature resistant and highly fatigue resistant material.

## 2) Technical parameters:

Specifications: Length 2500mm Width 800mm Height 1650mm

Power:13KW

Voltage: 380V (three-phase four-wire)

Effective irradiation area: 700mm long and 700mm wide

Effective drying area: 600mm long and 600mm wide

Maximum use height: 120mm

Lamp quantity: 2 PCS

Conveying speed: 1/25

## 3) Exhaust system:

The exhaust system uses a horizontal motor installed at the top of the machine body. The exhaust force is strong and uniform, which plays a good role in heat dissipation and ventilation.

## **2. Control switch**

- 1) Amperemeter : ① used to display the corresponding current of the lamp wattage when the UV lamp is turned on. ①**
- 2) Amperemeter : ② used to display the corresponding current of the lamp wattage when the UV lamp is turned on. ②**
- 3) Turn on the light ① : control the UV light ① to turn on and off.**
- 4) Turn on the light ② : control the UV light ② to turn on and off.**
- 5) Light on indication ① : The indicator light is on, indicating that the UV lamp ① is working normally.**
- 6) Light on indication ② : The indicator light is on, indicating that the UV lamp ② is working normally.**
- 7) Lamp timer ① : indicates the working time of the UV lamp ① .**
- 8) Lamp timer ② : indicates the working time of the UV lamp ② .**
- 9) Speed regulating motor: used to drive and adjust the speed of the conveyor belt.**
- 10) Power indicator: Turn on the main power, the power indicator works, and it means that the control panel is in good condition and you can proceed to the next step .**
- 11) Total power control: used to control the total power of the entire panel.**
- 12) Exhaust indication: controls the operation of the motor.**

## **3. Usage steps**

- 1) Open the lamp cover, adjust the lampshade to the required height of the product, and then close the cover.**
- 2) Turn on the main power switch and the power indicator light will be on.**
- 3) Turn on the air flow switch, the air flow indicator light will light up, and the air flow motor will work at the same time. (Note: When the air flow motor is working, it is normal to turn clockwise, otherwise the motor needs to be reversed) in the direction of the arrow.**
- 4) Turn on the speed regulating motor switch, twist the speed regulator, and select the appropriate speed to adapt to the use of the product.**
- 5) Turn on the UV lamp switch, and the ammeter will display the current corresponding to the wattage of the lamp tube (if you turn on the light and then turn it off and on again, you must wait for the lamp tube to cool down before starting again).**
- 6) When the work is completed, turn off the UV lamp first, then turn off the speed regulating motor, then turn off the fan switch, and finally turn off the power supply.**
- 7) The top air motor will generally start to rotate 2 minutes after the light is turned on. (Note: This function has been controlled and does not need to be set again)**

#### **4. Lamp system**

- 1) Independent control of lamps ;**
- 2) The lampshade can be adjusted in height;**

- 3) Independent cooling fan for lamp tube;
- 4) The lamp and air volume are adjustable;
- 5) The greenhouse uses filtered air for exhaust.

## 5. Notes

- 1) Ultraviolet rays can hurt your eyes, so be careful to protect them;
- 2) When replacing the lamp , use industrial alcohol to clean it;
- 3) Clean the lampshade and lamp tube regularly ;
- 4) Change the gearbox oil regularly ;
- 5) Check whether the exhaust motor works normally;
- 6) After working for two weeks, the screws of various parts of the machine are reinforced;
- 7) Replace the exhaust filter regularly ;
- 8) The exhaust motor should exhaust air appropriately.