

Instruction Manual



FY-2H

Our equipment is approved by the following car manufacturers (China)



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1. Precaution

1. Read this manual carefully before installing or servicing this equipment.
2. This equipment is designed for paint drying applications. Adjust correct temperature and check minimum safe distance from heat source when using. Improper servicing can cause paint surface damage.
3. Installation and servicing must be performed by a qualified installer or service agency.
4. The system has been designed for easy installation, low operating costs and minimal maintenance. The warranty does not cover lamp tube defects resulting from misuse or improper operation.
5. Disconnect power source when the equipment is not in use for a long period.
6. The lamp tube should not be perpendicular to the ground when the equipment is operating. Otherwise, it will shorten the life of the lamp tube.

2. Specifications

Model	FY-2H
Input Power Source	Single Phase 220V 50/60Hz
Input Power (W)	2 × 1000
Curing Area (mm)	1200 × 1000
Temperature (°C)	35 - 80
Time Setting	0 - 60 mins Adjustable
Light Intensity (%)	10 - 100

3. Installation

The shortwave infrared curing lamp is divided into 3 parts (a base, a frame and a cassette)

1) Installation of the base:

- a. Open the packing of the base.
- b. Install the four wheels on the base and tighten up the screws.

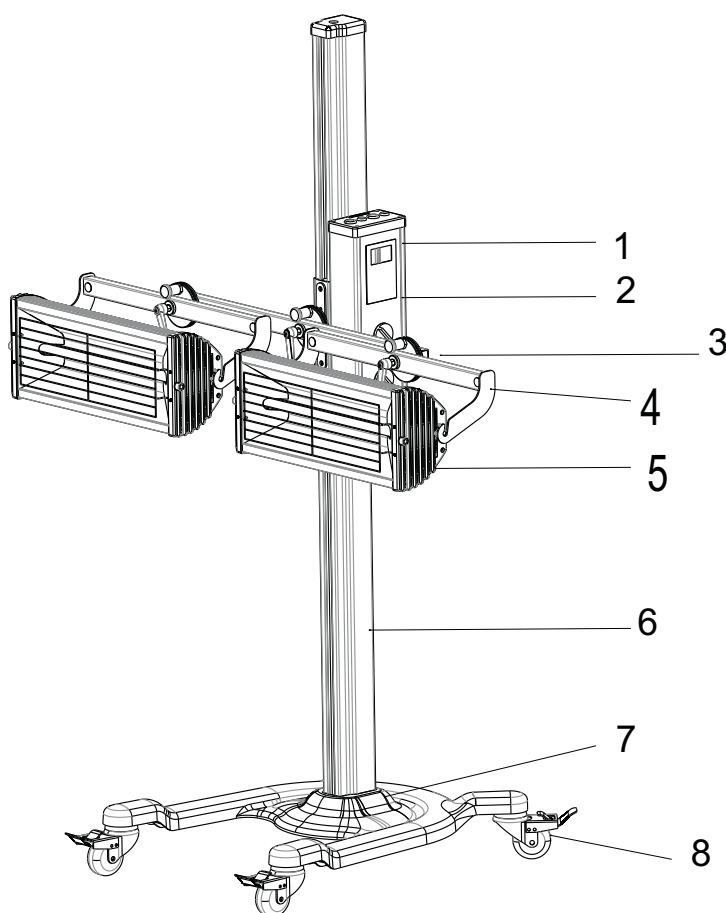
Usually, the wheels with brakes are mounted on the rear of the base.

2) Installation of the frame:

- a. Open the packing of the frame.
- b. Put the column onto the top of the base, line up the screw holes and tighten up with screws.

3) Installation of the cassette:

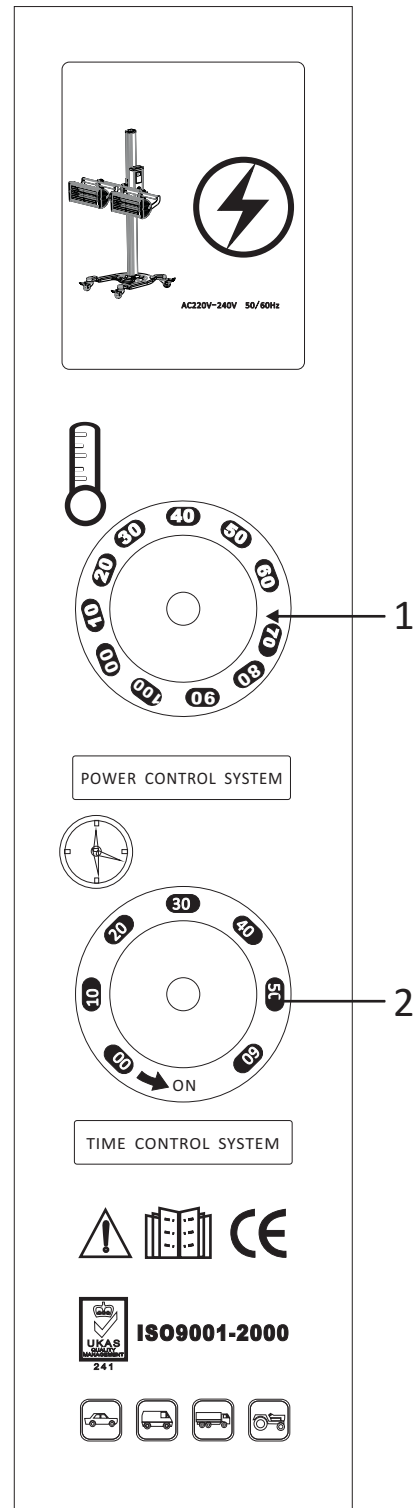
- a. Open the packaging of cassette with care.
- b. Connect cassette with holder and tighten up by screws.
- c. Connect control wires and adjust the angle of the lamps.



1. Main switch
2. Control box
3. Cassette
4. Cassette
5. Holder
6. Column
7. Base
8. Caster

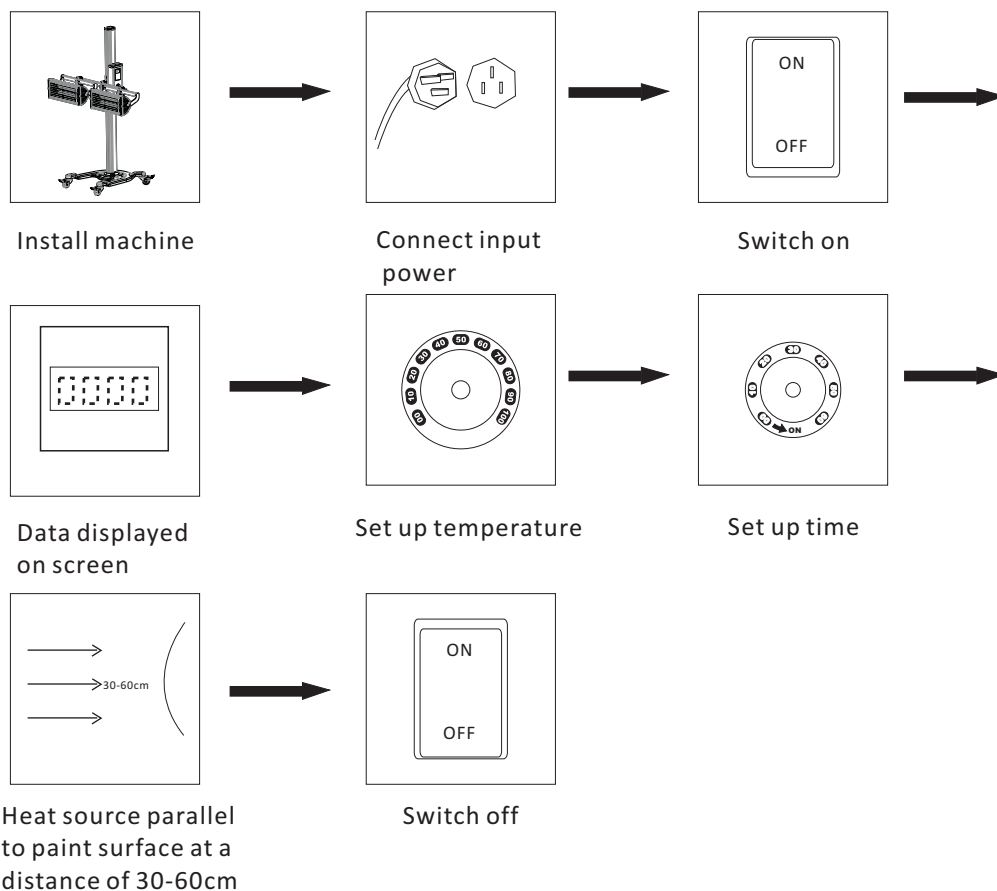
4. Controls

1. Power Adjustment
2. Time Adjustment



5. Operation

1. Connect electricity supply. Make sure that the supply cable is at least 4mm² at 220V
Note: Make sure that the facility supply voltage and frequency are the same as shown on the equipment name plate.
2. Connect to power supply AC 220V. Switch on the equipment. The LED display will show the normal voltage as 220V.
3. Set time and power according to the requirements of paint used for curing to achieve the best curing result (usually, the values are set at 15 mins in time and 70% in power).
4. Adjust the distance from heat source to paint surface (usually, keeping a distance of 45cm from the paint surface is the best).
5. Protect the lamp against shocks and vibrations even when it is cold.
6. During the curing process, the paint surface must be clean without water and impurities.
7. Preferably do not touch quartz with bare hands. If grease or chemical compound have been deposited on quartz, simply clean before lighting with cloth moistened with alcohol.



6. Troubleshooting

1) Troubleshooting

PROBLEM	CAUSE	SOLUTION
Lamp tube does not work	1) Lamp tube damaged 2) Lamp not plugged in 3) SCR damaged	1) Check lamp tube 2) Check connections 3) Check SCR
Lamp tube lights all the time	1) SRC damaged	1) Check SCR
Digital display does not work or is incomplete	1) Flat wire unplugged in circuit board 2) Digital display damaged	1) Check flat wire 2) Check digital display
Can not adjust temperature and time switches	1) Potentiometer damaged 2) Timer damaged	1) Check whether the potentiometer is in proper working condition 2) Check whether the timer is in proper working condition

6. Troubleshooting

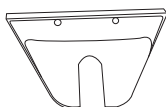
2) Lamp Tube Replacement



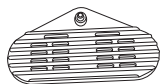
(1)



(2)



(3)



(4)



(5)



(6)

1. Prepare cassette for replacement.

2. Remove the grille of cassette.

3. Remove the plates on both ends of the cassette.

4. Remove the fixed plates from both ends of the cassette.

5. Loosen fixed screws and remove connections. The lamp can now be replaced.

6. Repeat the above steps in reverse order to install the new lamp.

8. Circuit Diagram

