

# AOYUE<sup>®</sup>

## 853A

## PREHEATER

### Features:

- ◆ Digital temperature display with closed loop sensor that Controls temperature.
- ◆ Wide range of adjustable temperature from 98°C~380°C.
- ◆ Large infrared quartz heater surface making circuit board Preheating faster and more precise.

Manufacturer:

**AOYUE TONGYI ELECTRONIC EQUIPMENT FACTORY**

Jishui Industrial Zone, Nantou, Zhongshan City,

Guangdong Province, P.R.China

<http://www.aoyue.com>

## I. Specifications

Model:	853A
Power Consumption:	600W
Voltage:	220V / 50Hz±10% 110V / 60Hz±10%
Temperature Range:	98°C~380°C
Machine Dimensions:	220*247*73mm
Heating Surface:	130*130mm

## II. Package Listing

1 Preheating Station	1 Circuit Board Holder
1 Power Cord	1 Instruction Manual

## III. Application

Suitable for repairing communication equipment and electronic PCBs that require preheating.

## IV. Operation

A. Preheating of Components (Use with rework stations).

1. Plug the power cord to power supply and place PCB on the circuit board Holder. Adjust the holder in such a way that the component to be heated is at the center of the preheating surface.
2. Set the temperature according to the components' size and circuit boards' thickness. Turn on the power switch. The station will start to heat up and stabilize at desired temperature.

### B. Removal of Components

1. Place the PCB on the board holder and position the component to be removed at the center of the infrared heating surface.
2. Set the temperature according to component's solder melting point. Caution: Temperature setting is very important. A good command of temperature setting is necessary since this could easily damage the PCB or the components. The PCB could be deformed or burned if the temperature is too high otherwise the component will not be detached if the temperature is too low.
3. Turn on the machine and let the temperature stabilize, pay attention to the components solder until it starts to shimmer. Use an IC popper to remove the component when the solder is completely melted. Do not move the PCB immediately after removing the component since it is still hot and this will cause the movement of nearby components. Turn off the power switch and wait for it cool down before removing the PCB.