

**858** | Thermo-Control  
**SERIES** | Digital-Display & Anti-Static

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# **HOT AIR GUN**

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**Users Manual**

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Thank you for purchasing our products

Please read this manual before using this product

Please properly after the play orders, for future reference.

## 一、Characteristic

- 1、 Closed loop sensor, microcomputer zero trigger control, LED display, power, rapid heating, precise and stable temperature, not the air influence, truly realized without lead welding demolition.
- 2、 adjustable air flow, air flow and the wind gentle, easy to adjust the temperature, can be adapted to a wide variety of applications.
- 3、 the handle is provided with an inductive switch, only holding the handle, the system enters the working mode; the handle into the handle frame, the system will enter the standby state, real-time and convenient operation.
- 4、 the system has the cold wind function, can extend the life of heating element and protection of hot air gun.
- 5、 the alloy shell, the compact, durable, beautiful, take a small work table.
- 6、 the use of brushless fan, very long service life, low noise.

## 二、 Specifications

Model	858	858D
Category	LED indicator	LED microcomputer digital display
Power	700W	
Airflow type	Brushless fan and soft wind	
Gas flow	120 L / min (max)	
Temperature adjustment range	100 °C——450 °C	
Display form	LED luminous tube	LED digital (resolution 1 °C)
The handle assembly length	120cm	
Body size	13.8cm (high) *10cm (W) *15cm (long)	
The weight of the body	1.55Kg	
The noise	Less than 45dB	

### 三、 Use

- 1、 To adapt to the desoldering various components, such as SOIC, CHIP, QFP, PLCC, BGA etc.
- 2、 For thermal shrinkage, drying, paint, adhesive removal, thawing, preheating, welding and adhesive.

### 四、 Operating instructions

- 1、 The desoldering station is put aside in the handle, the handle frame.
- 2、 Connect the power supply.
- 3、 Device required nozzle (as far as possible the use of large diameter nozzle).
- 4、 Turn on the power switch, display window to display a " - - - ", the rework stations to ask the standby state. (LED microcomputer digital display type)
- 5、 Set the temperature according to "▼" or "▲" button. (LED microcomputer digital display type)
- 6、 Rotational temperature control knob, set the required working temperature. (f LED indicator type)
- 7、 Pick up the rework stations handle, desoldering station normal heating work. Adjust the volume knob to make suitable for air volume, appropriate and stable temperature will be able to normal operation.
- 8、 After work, must be handle placed the handle frame, then remove automatically cut off the heating current welding table, enter the air cooling heating mode, when the temperature is below 100°C desoldering station into the standby state.
- 9、 Not long-term operation, should turn off the power switch.

Be careful: when can complete the job situation, as far as possible the use of low temperature and high air flow, which helps to extend the desoldering station heater life, ensure safety desoldering chip.

## 五、Set temperature

### 1、LED indicator type hot air desoldering station:

\* temperature scale line rotation temperature control knob to the desired.

### 2、LED microcomputer digital display type hot air desoldering station:

\* in the electrifying state, according to the “▼” or “▲” button, the temperature display window will display setting temperature.

\* press “▲” button, then set the temperature rise of 1 °C; press “▼” button, then set the temperature by 1 °C; if you press the “▲” key or “▼” key and do not put, the rapid temperature rise or fall. Release the button, the display window display of set temperature after two seconds, display the actual temperature or display " - - - " into the arcade state.

#### **Note: the symbolic description.**

- A. display " - - - ", said air outlet temperature lower than 100 °C, rework stations in standby state, the handle on the handle frame.
- B. display "S-E", said sensor desoldering station has a problem, need to replace the heater (heating body material and sensor module).
- C. when the studio, display temperature less than 50 °C, and no longer heating, said heater desoldering station may be damaged, need to replace the heater (heating body material and sensor module).

## 六、Rework stations use notice

- 1、Hot air desoldering station outlet and the surrounding may have high temperature, should be circumspect, to prevent burns.
- 2、With the handle must be placed in the handle frame, must never be placed table or other place.
- 3、Please keep the air outlet expedite, no obstruction.

4、 After work, must put the heating handle on the handle frame, let the machine automatically cooled to less than 100 °C (standby) to turn off the power switch.

5、 When using the air outlet and the distance of the object is at least 2 mm (with air outlet calculation).

6、 According to the work requirements, selection of appropriate nozzle, nozzle different, temperature may be slightly different.

## 七、 The replacement of the heating body

1、 The replacement of the heating body should be in the cold for replacement.

2、 As shown in the figure, the two fixing screw loosening the handle.

3、 Spin out the handle shell 1, then the handle shell 2 removal.

4、 Gently remove the fan, 3 screws and take the fixed wiring board.

5、 The wiring board in turn, connect the wire from terminal board and development body, pay attention to the connection position.

6、 Take out the body and the cover body of the mica paper from the steel pipe, take care not to break ground on the steel tube.

7、 The new body wrapped with mica wire, insert into the steel pipe, the heating body to put in place the attention.

8、 According to the original position of the connecting body of the connecting line.

9、 In the reverse order apart back with handle.

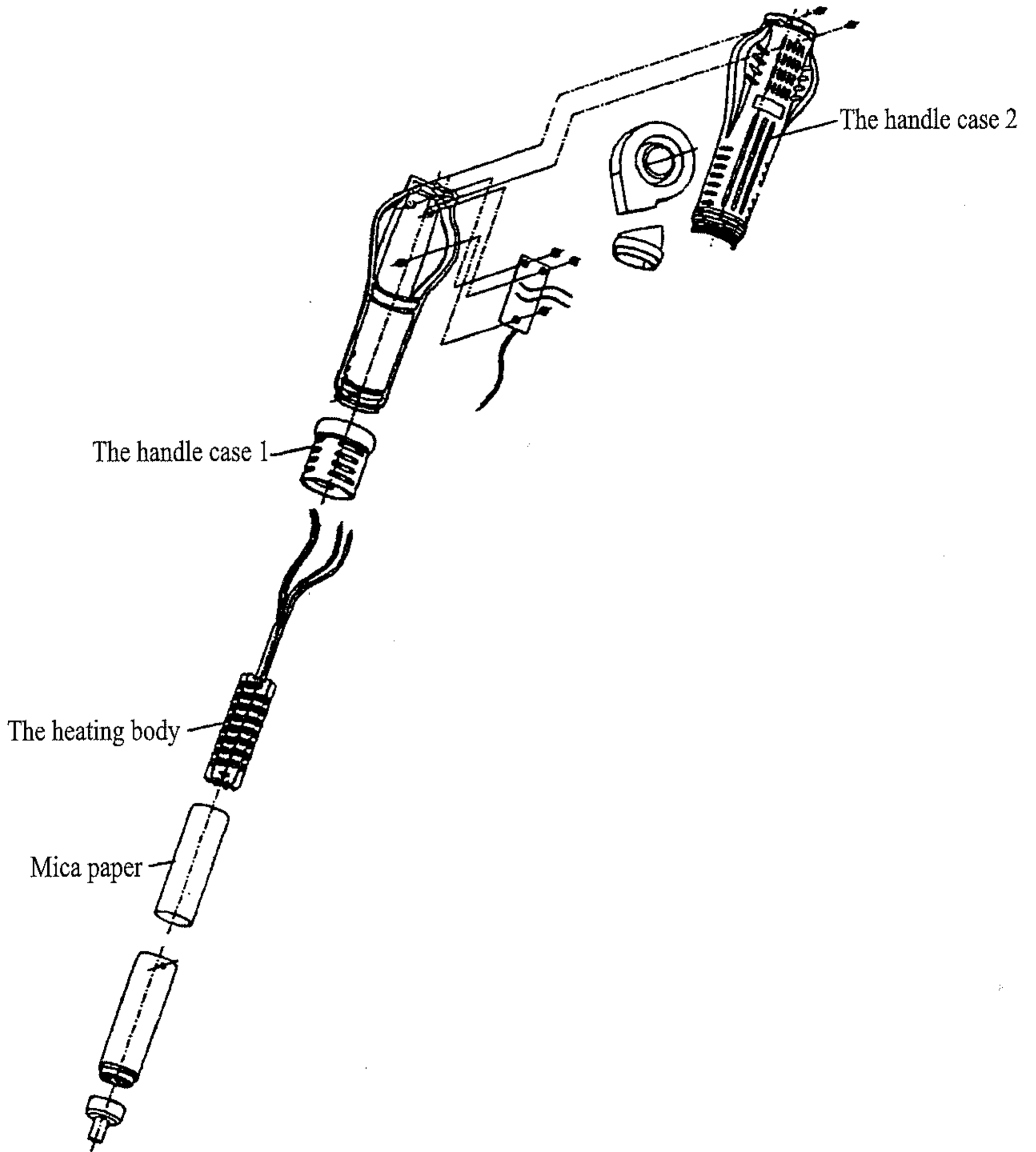
Be careful:

1、 The replacement of the heating body, be careful not to damage the pipe on the ground.

2、 Pay attention to the connection line fan replacement, do not damage.

3、 Install back handle shell 1, a handle shell on the fixed column in the fixing hole of steel pipe inner.

The replacement of the heating body diagram:



Replaceable unit

Serial number	Part name	Explain
1	The handle assembly	220V/110V
2	The handle shell	
3	The 858 circuit board (assembly)	LED indicator type
4	858D circuit board (assembly)	LED microcomputer digital display type
5	Fan	
6	858 the heating core	220V/110V
7	The handle frame	
8	A2084 nozzle	Φ 8.4m pipe
9	A2127 nozzle	Φ 12.7m pipe
10	A2064 nozzle	Φ 6.4m pipe

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Zhongshan city Dongfeng HanDing Electronics Equipment Factory

Address: No.60 Jinyi South road, Dongfeng town,

Zhongshan city, Guangdong province

Website:[www.zshanding.cn](http://www.zshanding.cn)

Tel : 0760-23605080