

## YIHUA 938BD+I

# YIHUA 938BD+I Soldering and Hot Air Rework Station Instruction Manual

Brand: YIHUA | Model: 938BD+I

## 1. SAFETY PRECAUTIONS

Please read and understand all safety instructions before operating the YIHUA 938BD+I Soldering and Hot Air Rework Station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always operate the device in a well-ventilated area to avoid inhaling fumes.
- Wear appropriate personal protective equipment, including safety glasses and heat-resistant gloves.
- Keep the device away from flammable materials.
- Do not touch the soldering iron tip or hot air nozzle when the device is powered on or cooling down, as they reach very high temperatures.
- Ensure the power supply is 100V~110V. For safety, **do not use with 200V~240V power supply.**
- Unplug the device from the power outlet when not in use or before performing any maintenance.
- Keep out of reach of children.

## 2. PRODUCT OVERVIEW

The YIHUA 938BD+I is a versatile 2-in-1 rework station combining a soldering iron and a hot air gun. This compact unit is designed for a wide range of electronic repair and assembly tasks.

### 2.1 Key Features

- **2-in-1 Functionality:** Integrates a soldering iron and a hot air gun into a single smart station.
- **Adjust Mode (PID Temperature Correction):** Allows for precise temperature calibration to match the set temperature with the actual tip temperature, compensating for environmental changes or tip

replacements.

- **Sleep Mode:** Extends the lifespan of the heater by automatically reducing the temperature when the tool is idle. The timer can be set to 0 or 10 minutes. Setting the timer to 0 minutes disables sleep mode.
- **Low Cost Maintenance:** Both the hot air gun handle and soldering iron handle are replaceable, allowing for quick and economical replacement of heater cores when their lifespan ends.
- **Versatile Applications:** Suitable for heat shrinking, drying, paint removal, adhesive removal, defrosting, preheating, and various soldering tasks.
- **Safety Certified:** This product is PSE certified for safety.

## 2.2 Product Components



Figure 1: YIHUA 938BD+1 2-in-1 Soldering and Hot Air Rework Station



2 機能  
を1  
ステーションに

ホットエア  
リワークステーション  
100°C~480°C  
120L/分

はんだごて  
ステーション  
200°C~480°C  
120L/分



Figure 2: Overview of the YIHUA 938BD+I station, highlighting its dual functionality for hot air rework and soldering.



Figure 3: The control panel of the YIHUA 938BD+1, showing the digital display for temperature, sleep mode indicator, air flow display, and power switches for hot air and soldering.

### 3. SETUP

#### 3.1 Hot Air Gun Holder Installation

1. Remove the screws from the main unit.
2. Align the holder with the main unit.
3. Tighten the screws to secure the holder.
4. Place the air gun in the holder and connect the cable.



Figure 4: Step-by-step guide for installing the hot air gun holder onto the main unit.

### 3.2 Soldering Iron Stand (X-2 Holder) Assembly

1. Slide the solder reel holder into the stand.
2. Insert the reel shaft.
3. Wet the sponge with water.
4. Connect the soldering iron.



Figure 5: Instructions for assembling the soldering iron stand, including placing the solder reel and wetting the cleaning sponge.

### 3.3 Hot Air Nozzle Attachment

1. Insert the screw into the nozzle.
2. Tighten the nut.
3. Insert the nozzle onto the air gun.
4. Tighten the screw to secure the nozzle.



Figure 6: Visual guide for attaching the hot air nozzles to the hot air gun.

## 4. OPERATING INSTRUCTIONS

### 4.1 Soldering Iron Operation

The soldering iron features precise temperature control and a sleep mode for extended tip life.

- **Temperature Range:** 200°C to 480°C.
- **Temperature Control:** Utilizes PID temperature correction for stable and accurate temperature at the tip.
- **Sleep Mode:** When the soldering iron is not in use and its temperature is below 200°C, sleep mode activates. This helps to preserve the tip and heater. The sleep mode timer can be set to 0 or 10 minutes. Setting it to 0 minutes disables the sleep mode.

# はんだごて

温度範囲：200°C~480°C  
温度制御：✓  
PID温度補正：✓  
スリープモード：✓



## スリープモード

はんだごては200°C以下、使わないままで、スリープモードがONになる。はんだごてを持ち上げ、スリープモードがOFFになり、こて先の温度はすばやく上昇する。

Figure 7: Details on the soldering iron's temperature range, PID control, and sleep mode functionality.

## 4.2 Hot Air Gun Operation

The hot air gun provides controlled heat for various rework tasks.

- **Temperature Range:** 100°C to 480°C.
- **Standby Mode:** When the hot air gun is placed in its holder, it enters standby mode and cools down to 200°C. When picked up, it quickly heats back up to the set temperature, allowing for immediate use.

# ホットエア

温度範囲：100°C~480°C  
温度制御：✓  
PID温度補正：✓  
待機モード：✓



ホルダーに戻って待機  
モードをONになる

インホルダー：まで冷却し、  
持ち上げてから、待機モ  
ードをOFFになる

アウトホルダー：すばやく  
設定温度まで加熱する

Figure 8: Information regarding the hot air gun's temperature range and its automatic standby mode when placed in the holder.

## 4.3 Adjustable Mode

If there is a discrepancy between the set temperature and the actual tip temperature due to environmental factors or tip changes, use the adjustable mode to calibrate the tip temperature to match the set temperature.

## 5. MAINTENANCE

### 5.1 Soldering Iron Tip Maintenance

- Regularly clean the soldering iron tip using the provided cleaning wire and wet sponge to remove excess solder and oxidation.
- After cleaning, apply a small amount of fresh solder to the tip to prevent oxidation and ensure optimal performance.

# YIHUA X-2 ホルダー

多機能のはんだごて台

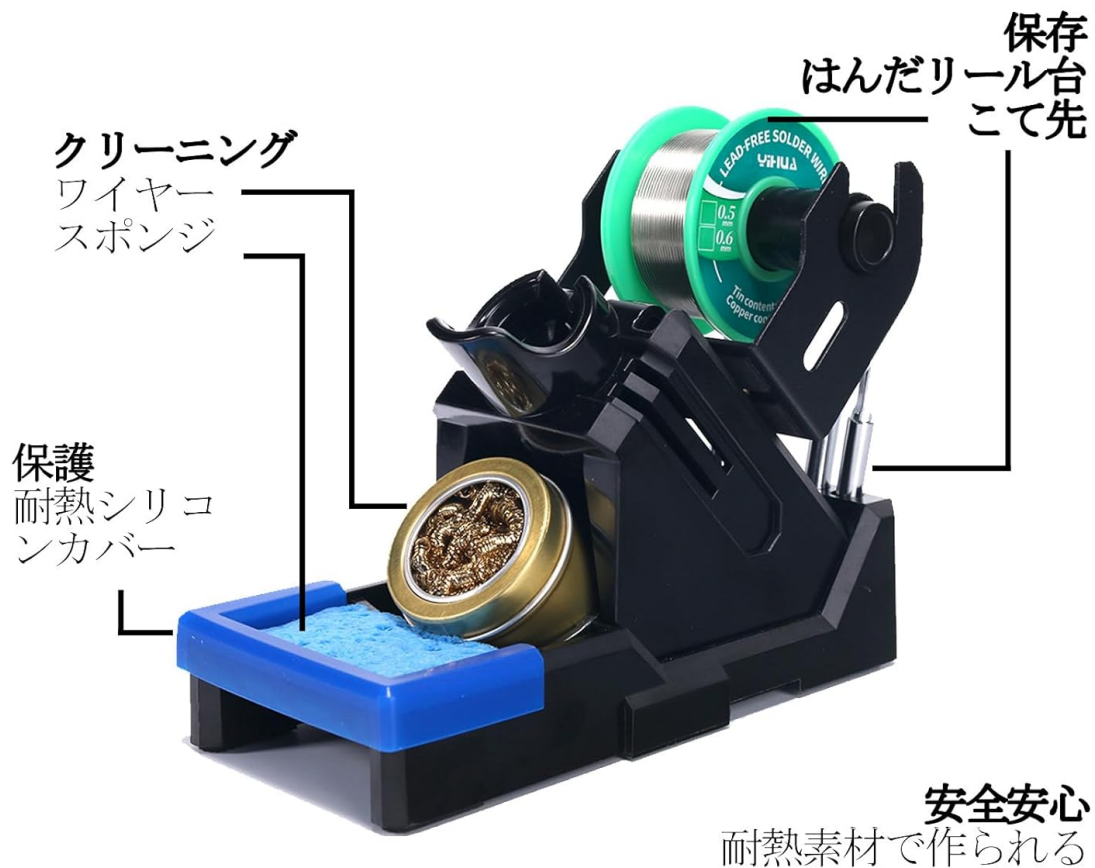


Figure 9: The YIHUA X-2 holder includes a cleaning wire, sponge, and a heat-resistant silicone cover for convenient maintenance.

## 5.2 Heater Core and Handle Replacement

The hot air gun handle and soldering iron handle are designed to be replaceable. When the heater core reaches the end of its lifespan, a message will be displayed on the screen. Simply replace the handle to quickly resume operation, minimizing downtime and cost.

## 6. TROUBLESHOOTING

- **Device not powering on:** Check the power cable connection and ensure the power switch is in the 'ON' position. Verify the power outlet is functional.
- **Temperature not reaching set value or unstable:** Ensure the heating element is properly installed. Use the adjustable mode to calibrate the tip temperature if necessary.
- **Hot air gun not blowing air:** Check for any obstructions in the air nozzle or fan. Ensure the hot air gun handle is correctly seated in its holder.
- **Soldering iron not heating:** Inspect the soldering iron tip for excessive oxidation or damage. Clean or replace the tip if needed. Verify the handle is securely connected.

- **Error message on display:** Refer to the specific error code in the full product manual (if available) or contact customer support for assistance.

## 7. SPECIFICATIONS

Specification	Value
Brand	YIHUA
Model Number	938BD+I
Product Dimensions (D x W x H)	15 x 13.6 x 10 cm
Voltage	100V
Wattage	750 W
Maximum Temperature	480 °C
Unit Count	1
Country of Origin	China

## 8. WARRANTY AND SUPPORT

YIHUA is committed to providing high-quality products and excellent customer service.

- **Warranty:** This product comes with a 1-year maintenance warranty from the date of purchase.
- **Certification:** The YIHUA 938BD+I is PSE certified, ensuring compliance with Japanese electrical appliance safety standards.
- **Customer Support:** For any questions or inquiries, please feel free to contact the YIHUA JAPAN OFFICIAL STORE on Amazon. Our team is available year-round to assist you.