

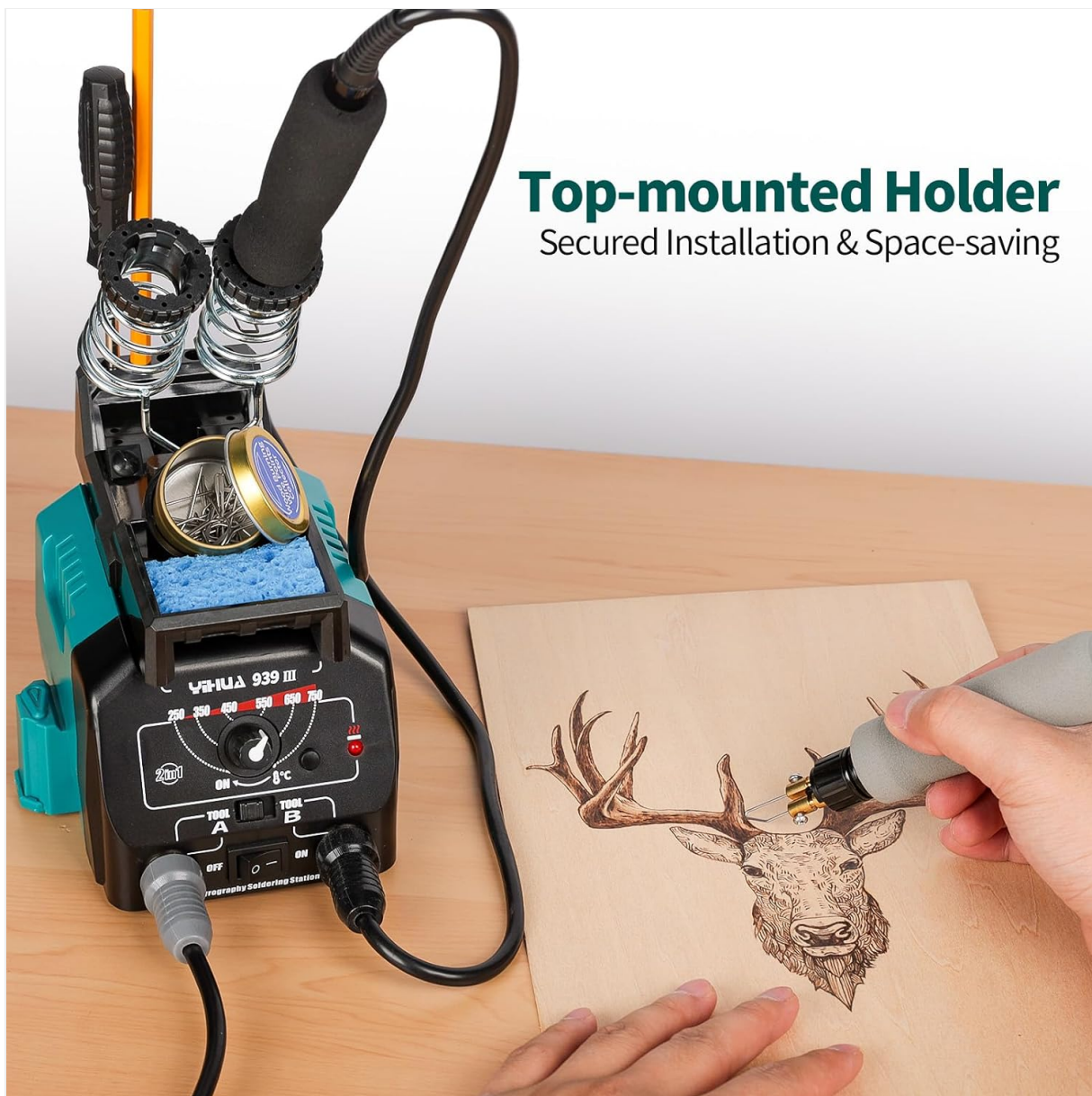
YIHUA 939-III

YIHUA 939-III Pyrography Station User Manual

Model: 939-III

1. INTRODUCTION

Thank you for choosing the YIHUA 939-III Pyrography Station. This device is designed for wood burning and other pyrography applications, offering precise temperature control and dual-pen functionality for enhanced creative flexibility. This manual provides essential information for safe and effective operation, setup, maintenance, and troubleshooting.



Top-mounted Holder

Secured Installation & Space-saving

Image: The YIHUA 939-III Pyrography Station, showcasing its compact design and dual pen setup.

2. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before using the pyrography 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 from burning materials.
- Keep the pyrography pens and tips away from flammable materials.
- Do not touch the hot tips or metal parts of the pens. They can reach temperatures up to 750°C and cause severe burns.
- Always place the pens in the designated holder when not in use or when cooling down.
- Ensure the power cord is not damaged and is properly connected to a grounded outlet (230V AC, Type F plug for EU).
- Unplug the station from the power outlet when changing tips, cleaning, or when the device is not in use.
- Keep out of reach of children. This is not a toy.
- Do not use the device near water or in damp conditions.
- Wear appropriate safety glasses to protect your eyes from sparks or debris.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- YIHUA 939-III Pyrography Station Main Unit
- 2 x Pyrography Pens (Wire-Nib Type)
- 20 x Wire-Nib Style Pyrography Tips
- 1 x Dual Pen Holder
- 1 x Cleaning Sponge
- 1 x Screwdriver
- 1 x Pair of Tweezers
- 2 x Practice Wood Pieces
- 2 x Stencil Boards



Image: All components included in the YIHUA 939-III Pyrography Station kit.

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and controls of your YIHUA 939-III Pyrography Station:

Slots(for Temporary Nib Storage)

Pen B

Dual-Pen Holder

Cord (for Pyrography Pen)

Heat-resistant Grip

Pen A

Indicator Light

Temperature Dial

Temperature Control Knob

Power Cord



Image: Labeled diagram of the YIHUA 939-III Pyrography Station components.

- **Temperature Control Knob:** Adjusts the heat of the pen tips.
- **Temperature Dial:** Displays the selected temperature range (250°C to 750°C).
- **Indicator Light:** Illuminates when the pen is heating.
- **Toggle Switch (Pen A/Pen B):** Selects which pen is active.
- **Power Switch:** Turns the station ON/OFF.
- **Dual-Pen Holder:** Provides a safe resting place for both pens.
- **Cleaning Sponge:** Used for cleaning pen tips.
- **Wire Nibs:** Interchangeable tips for various burning effects.

5. SETUP

Follow these steps to set up your pyrography station:

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Position the Station:** Place the main unit on a stable, heat-resistant surface in a well-ventilated area.

3. **Connect Pens:** Plug the connectors of the two pyrography pens into the designated receptacles on the front of the main unit (Pen A and Pen B).
4. **Install Pen Holder:** Attach the dual pen holder to the top of the station. Place the cleaning sponge in its designated slot on the holder.
5. **Power Connection:** Ensure the power switch is in the OFF position. Plug the power cord into a suitable 230V AC grounded electrical outlet.
6. **Install a Nib:** Using the provided screwdriver and tweezers, loosen the screws on the pen tip, insert your desired wire-nib, and tighten the screws securely. Refer to the 'Nib Replacement' section for detailed instructions.

6. OPERATING INSTRUCTIONS

6.1. Temperature Control

The YIHUA 939-III offers a wide temperature range from 250°C to 750°C (482°F to 1382°F). Adjust the temperature knob to suit the material and desired burn effect. Lower temperatures are suitable for lighter marks, while higher temperatures create darker, deeper burns.

- Turn UP/DOWN the nib's temperature to control the burn mark's color intensity.
- Try and select the suitable temperature for wood of different densities or for other material (gourd, foam or leather etc.)



Image: Adjusting the temperature on the pyrography station.

6.2. Dual Pen Operation

The dual-pen feature allows you to switch between two different pens (and thus two different nibs) without

waiting for cooling or changing tips. Use the toggle switch on the front panel to select Pen A or Pen B.

Dual-Pen and Toggle Switch

- Toggle between Pen A and Pen B. Alternately use two types of wire nibs without the hassle to repeatedly remove and install pen nibs.

Less Waiting and More Fun



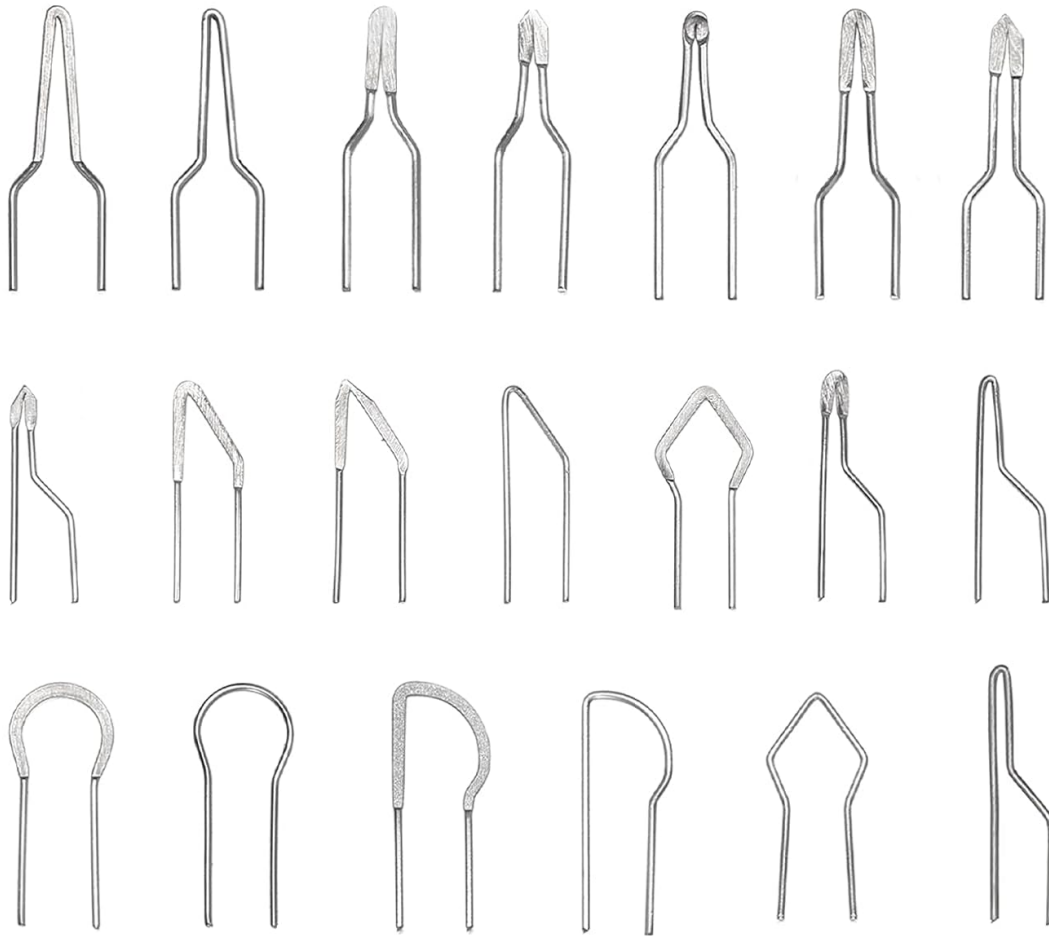
Image: Switching between Pen A and Pen B using the toggle switch.

6.3. Nib Replacement

The kit includes 20 different wire-nib tips for various effects. Always ensure the pen is cool and unplugged before changing tips.

1. Turn off the pyrography station and unplug it from the power source.
2. Allow the pen and nib to cool completely.
3. Using the provided screwdriver, carefully loosen the two small screws on the pen tip holder.
4. Use the tweezers to gently remove the old nib.
5. Insert the new desired nib into the slots, ensuring it is seated correctly.
6. Tighten the screws firmly with the screwdriver. Do not overtighten.

Easy to Replace Pen Nibs (20pcs)



Use screwdriver to loosen the screws, use a pair of tweezers to properly insert the chosen nib and fasten the screws with the screwdriver.
(tools supplied)

Image: Steps for replacing a wire-nib using the provided tools.

6.4. Pyrography Process

Follow these general steps for effective pyrography:

1. **Prepare the Wood:** Smoothen the wood surface with sandpaper for best results.
2. **Transfer Pattern:** Transfer your desired pattern onto the wood using a pencil or carbon paper.
3. **Install Nib & Power On:** Select and install the appropriate pyrography pen nib. Turn on the power switch and select the desired pen (A or B) using the toggle switch.
4. **Adjust Temperature:** Set the temperature control knob to the desired heat level. Allow the nib to heat up for a few minutes.
5. **Practice:** Before working on your main project, practice on a scrap piece of wood to find the optimal temperature and pressure for your chosen nib and wood type.
6. **Trace the Pattern:** Gently trace the pattern with the heated pyrography pen, applying consistent pressure.
7. **Turn Off:** Once finished, turn off the pyrography station and allow the pens to cool in their holder.
8. **Clean Nib:** Clean the pen nib on the wet sponge after use to remove carbon buildup.

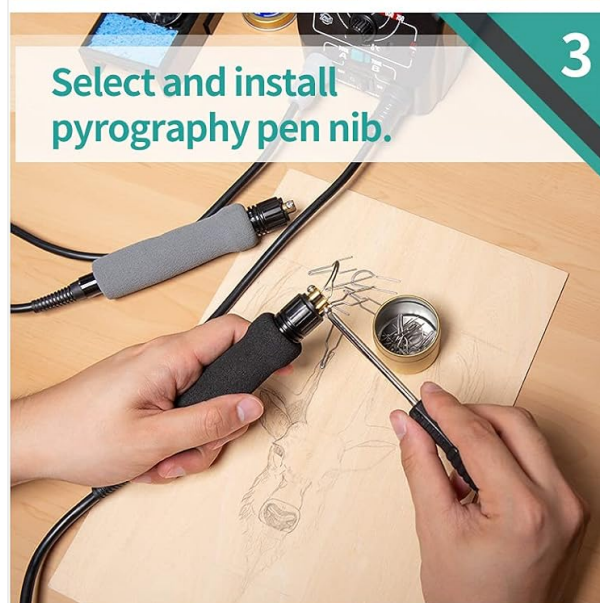


Image: Steps 1-4 of the pyrography process, from wood preparation to temperature adjustment.

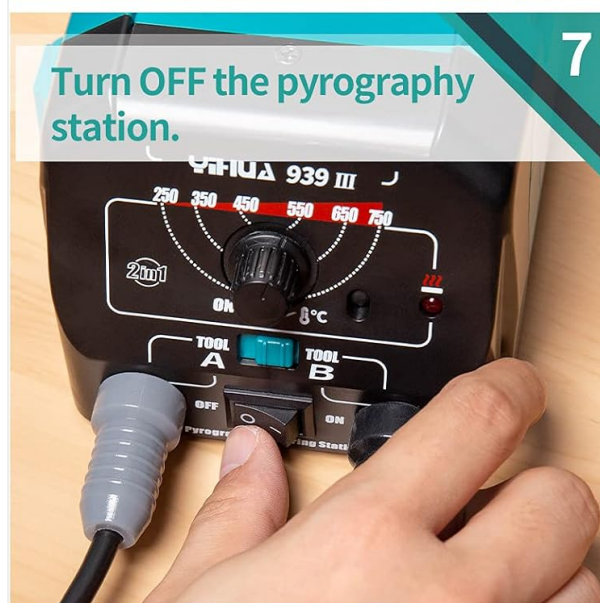


Image: Steps 5-8 of the pyrography process, including practice, tracing, power off, and cleaning.



Image: Detailed pyrography work in progress on a wooden surface.



Image: Example of a completed pyrography project on a wooden stool.

7. MAINTENANCE

- **Cleaning Nibs:** Regularly clean the carbon buildup from the nibs using the wet sponge provided. This helps maintain consistent heat and prevents uneven burning.
- **Station Cleaning:** Wipe the main unit with a dry, soft cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Storage:** Store the pyrography station and its accessories in a dry, safe place when not in use, away from dust and moisture. Ensure all components are cool before storing.
- **Inspect Cords:** Periodically check power cords and pen cords for any signs of damage. Replace damaged cords immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pen not heating up.	Power switch is OFF. Pen not selected (toggle switch). Loose nib connection. Faulty power cord/outlet.	Turn ON the power switch. Ensure correct pen (A or B) is selected. Check nib installation and tighten screws. Verify power cord connection and try a different outlet.
Uneven or weak burn marks.	Temperature too low. Dirty nib. Inconsistent pressure. Wood surface not smooth.	Increase temperature setting. Clean the nib with the wet sponge. Apply consistent pressure during burning. Sand the wood surface thoroughly.
Pen overheats quickly.	Temperature setting too high.	Reduce the temperature setting.

9. SPECIFICATIONS

Model Number	939-III
Input Voltage	230V AC (EU Type F Plug)
Power	50 Watts

Temperature Range	250°C ~ 750°C (482°F ~ 1382°F)
Heating Element Type	Nichrome
Dimensions (L x W x H)	15.5 x 12.5 x 9 cm
Weight	2.11 kg
Handle Material	Plastic

10. WARRANTY AND SUPPORT

The YIHUA 939-III Pyrography Station comes with an exclusive 12-month technical coverage for customers in the EU. Our dedicated team provides professional technical support 24/7 on Amazon. For any questions, suggestions, or technical assistance, please contact our support team through the Amazon platform.

Please retain your proof of purchase for warranty claims.