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YIHUA YIHUA 939D-II

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INSTRUCTION MANUAL

1. Introduction and Overview

The YIHUA 939D-II Pyrography Pen Wood Burning Kit Station is a versatile 2-in-1 tool designed for detailed wood burning, leather crafting, and other pyrography projects. It features two distinct pens: a solid-point pen (Pen 1) and a wire-nib pen (Pen 2), allowing for a wide range of artistic techniques. This manual provides essential information for safe and effective use of your pyrography station.



Figure 1: Complete YIHUA 939D-II Pyrography Kit.

Temperature
Display
(FOR PEN 1 ONLY)



Dual Pen Pyrography Station

**PEN 1
SOLID-POINT PEN**



200-480°C
Ready for use in 2-3 mins

**PEN 2
WIRE-NIB PEN**



250-750°C
Ready for use in 1-2 mins



FAST HEATING!



Figure 2: Dual Pen Pyrography Station with temperature display for Pen 1.

2. Safety Information

WARNING: Pyrography tools operate at high temperatures. Improper use can cause burns, fire, or damage to property. Always exercise extreme caution.

- **Ventilation:** Always use the pyrography station in a well-ventilated area to avoid inhaling fumes from burning materials.
- **Surface Protection:** Place the station and work on a heat-resistant, non-flammable surface.
- **Hot Tips/Nibs:** The pen tips and nibs become extremely hot during operation. **DO NOT** touch them with bare hands. Always allow them to cool completely before handling or changing.
- **Pen Holder:** Always place the pen in the designated safety holder when not in use.
- **Flammable Materials:** Keep flammable liquids, gases, and materials away from the working area.
- **Children and Pets:** Keep the device out of reach of children and pets.
- **Power Off:** Always turn off and unplug the station when not in use or before performing maintenance.

3. Package Contents

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

- YIHUA 939D-II Pyrography Station Unit
- Solid-Point Pen (Pen 1)
- Wire-Nib Pen (Pen 2)
- Stable Pen Holder (100% Heat-Resistant)
- Assorted Solid Points (approx. 20 pieces)
- Assorted Wire Nibs (approx. 20 pieces)
- Cleaning Sponge
- Small Screwdriver for nib/tip changes
- Small Pliers for nib/tip changes
- Scrap Wood Pieces (2 pieces for practice)



Figure 3: Included solid points and wire nibs.

4. Setup

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Station Placement:** Place the pyrography station on a stable, heat-resistant surface in a well-ventilated area.
3. **Attach Pen Holder:** The safety holder can be securely mounted on top of the station. Align the holder with the designated slots and press firmly until it clicks into place. This holder provides safe storage for both pens and includes compartments for nibs, accessories, and a cleaning sponge.



Figure 4: Safety holder for the pyrography pens.

4. **Connect Pens:** Connect the solid-point pen (Pen 1) and the wire-nib pen (Pen 2) to their respective ports on the front of the station. The pens are detachable for easy interchangeability and replacement.

Comfort Grip



Shaped **better to grip**
Soft-Material
Heat-Insulated

Figure 5: Detachable pen connection.

5. Install Nibs/Tips:

- **For Wire-Nib Pen (Pen 2):** Use the provided screwdriver and pliers to loosen the screws on the pen head, insert the desired wire nib, and then tighten the screws to secure it. Ensure the nib is inserted 100% and correctly tightened for consistent performance.
- **For Solid-Point Pen (Pen 1):** The solid points screw directly into the pen head. Ensure they are securely fastened.

CAUTION: Always allow the nib/tip to cool down completely before attempting to remove or install it.

NOTE: Install the pyrography tip CORRECTLY to get consistent performance, and INCORRECT tip installation may result in no heat, inconsistent colors, and other negative impacts.

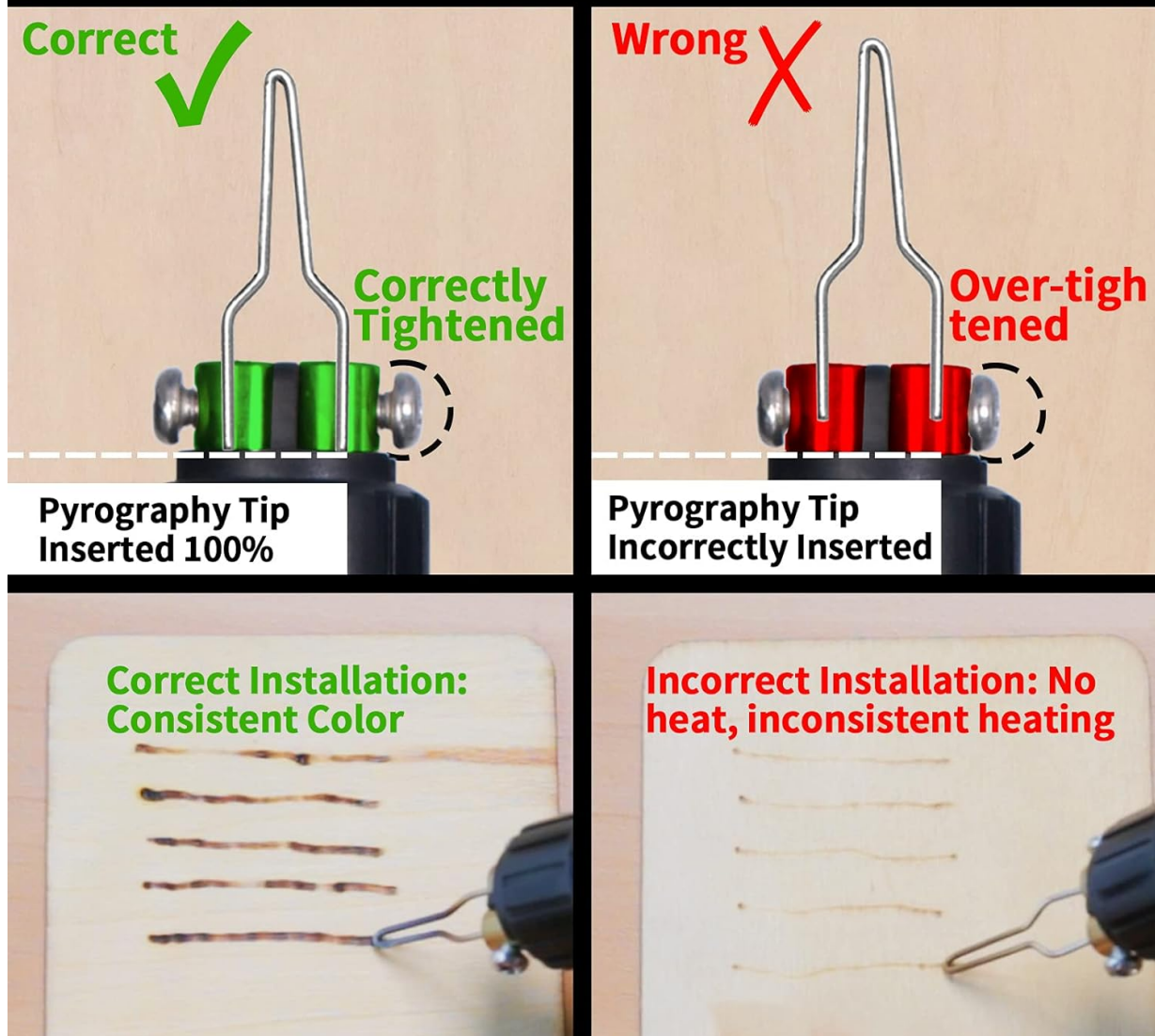


Figure 6: Correct vs. Incorrect Tip Installation.

6. **Power Connection:** Plug the station's power cord into a 110-127V 60Hz US-standard power outlet.

5. Operating Instructions

Before operating, ensure you have read and understood the safety information.

1. **Power On:** Flip the main power switch on the station to the 'ON' position.
2. **Select Pen:** Turn on the individual switch for the pen you wish to use (Pen 1 or Pen 2). You can use both pens simultaneously.
3. **Adjust Temperature:**
 - **Pen 1 (Solid-Point):** Adjust the temperature knob for Pen 1. The temperature range is 200~480°C. It takes approximately 2-3 minutes to reach the set temperature. The digital display shows the temperature for Pen 1.
 - **Pen 2 (Wire-Nib):** Adjust the temperature knob for Pen 2. The temperature range is 250~750°C. It heats

up to the set temperature in 1-2 minutes.

Experiment with different temperature settings on scrap wood to find the ideal heat for your desired effect and material.

4. **Begin Pyrography:** Once the pen reaches the desired temperature, carefully begin drawing or burning on your chosen material (wood, leather, cork, pumpkin, gourd, or plastic).



Figure 7: Practicing pyrography on scrap wood.

5. **Drawing Consistency:** The speed at which you move the pen affects the darkness and consistency of the burn. Drawing too fast may result in faded color, while drawing too slow can lead to overly dark or burnt spots. Aim for a consistent drawing speed to achieve uniform color.
6. **Ergonomic Grip:** Both pens feature soft-touch ergonomic grips made of heat-insulating material to ensure comfortable use during extended periods.

Detachable Pen



- Easily Interchangeable & Replaced

Figure 8: Comfort grip design.

Official Product Video: Operation and Features

This video demonstrates the key features and operation of the YIHUA 939D-II Pyrography Station, including pen installation, temperature adjustment, burning techniques, and cleaning. (Video duration: 1 minute 25 seconds)

6. Maintenance

- **Cleaning Tips/Nibs:** Use the included cleaning sponge (dampened with water) to clean the tips and nibs during and after use. This helps remove carbon buildup and ensures consistent burning.
- **Storage:** When not in use, always store the pens securely in the safety holder. This protects the tips and prevents accidental contact.
- **General Cleaning:** Keep the station unit clean and free of dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Cord Care:** Inspect the power cord and pen cables regularly for any signs of damage. If damaged, discontinue use and contact customer support.

7. Troubleshooting

- **Inconsistent Burning/No Heat:**

- Ensure the pen is properly connected to the station.
- Verify that the individual pen switch is turned 'ON'.
- Check if the nib/tip is correctly installed and securely tightened. Refer to Figure 6 in the Setup section for correct installation. An improperly installed tip can lead to inconsistent heating or no heat at all.
- Allow sufficient time for the pen to reach the set temperature.

- **Pen Not Heating Up:**

- Confirm the station is plugged in and the main power switch is 'ON'.
- Check the temperature setting; ensure it's not set too low.
- If the issue persists, the pen or station may require service. Contact customer support.

- **Excessive Smoke:**

- Ensure adequate ventilation.
- The material being burned might be too wet or contain impurities.
- The temperature setting might be too high for the material. Reduce the temperature.

8. Specifications

Feature	Detail
Model Number	YIHUA 939D-II
Solid-Point Pen (Pen 1) Temperature Range	200~480°C (392~896°F)
Wire-Nib Pen (Pen 2) Temperature Range	250~750°C (482~1382°F)
Power Input	110-127V 60Hz (US-standard)
Product Dimensions	5.67 x 4.92 x 3.54 inches
Item Weight	4.55 pounds
Manufacturer	Guangzhou Yihua Electronic Equipement Co., Ltd.

9. Warranty and Support

Your YIHUA 939D-II Pyrography Pen Wood Burning Kit Station is backed by a **12-month US-exclusive manufacturer technical coverage**. For any technical assistance, questions, or concerns, please utilize the **24/7 professional assistance** available on Amazon. Refer to your purchase details for specific contact information or visit the official YIHUA store on Amazon.