

XIIW 81643

XIIW 100W Pyrography Machine Instruction Manual

Model: 81643

1. INTRODUCTION

Thank you for choosing the XIIW 100W Pyrography Machine. This professional wood burning kit is designed for detailed pyrography on various materials such as wood, leather, and pumpkin. It features a powerful 100W heating element, precise temperature control, and comfortable pens for extended use. Please read this manual thoroughly before operation to ensure safe and effective use of your new tool.

2. SAFETY INSTRUCTIONS

WARNING: This device operates at high temperatures. Improper use can result in burns, fire, or other injuries. Always follow these safety guidelines:

- Always operate the pyrography machine in a well-ventilated area to avoid inhaling fumes from burning materials.
- Wear appropriate personal protective equipment, including heat-resistant gloves and safety glasses.
- Keep flammable materials away from the working area.
- Do not touch the hot pen tip or wire tips directly. Use pliers or tweezers for tip changes.
- Ensure the pen is placed in the fire-resistant holder when not in use or during cool-down.
- Do not keep the product at 750°C continuously during use to prevent potential damage to the pen handle.
- Unplug the machine from the power outlet when not in use, before cleaning, or when changing tips.
- Keep out of reach of children and pets.
- Never leave the operating machine unattended.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Pyrography Machine (Control Unit)
- 2 x Pyrography Pens
- 33 x Pyrography Wire Tips (various shapes)
- 2 x Pyrography Pen Stands
- 2 x Sponges (for tip cleaning)
- 1 x Small screwdriver (for tip installation)
- 1 x Tweezers
- 1 x Small metal container (for tips)



Image 3.1: Complete XIIW 100W Pyrography Machine kit, including the control unit, two pens, various wire tips, pen stands, and accessories.

4. PRODUCT OVERVIEW

The XIIW Pyrography Machine features a robust control unit and two lightweight pyrography pens designed for precision and comfort.

4.1 Control Unit

The main unit houses the power supply, temperature control, and digital display. It provides stable power to the pens and allows for precise temperature adjustments.

- **Digital Temperature Display:** Shows the current operating temperature in Celsius.
- **Temperature Adjustment Knob:** Allows precise setting of the temperature from 0°C to 750°C.
- **Pyrography Pen Sockets:** Two sockets for connecting the pyrography pens. Both pens can be heated simultaneously.
- **Power Switch:** Controls the main power to the unit.



Image 4.1: Close-up view of the control unit, highlighting the temperature display, thermostat knob, pyrography pen sockets, and power switch.

4.2 Pyrography Pens

The kit includes two pyrography pens with comfortable, slip-resistant, and heat-resistant handles. Each pen weighs approximately 33g, reducing fatigue during prolonged use.

2 PYROGRAPHY PENS

The two pins are heated at the same time and can be used as needed without toggling the switch.



Image 4.2: The two pyrography pens connected to the control unit, illustrating their simultaneous operation capability.

4.3 Wire Tips

The kit provides 33 different wire tips, offering versatility for various pyrography techniques, including fine lines, shading, and broad strokes.



Image 4.3: Assortment of 33 heating wire tips, showcasing various shapes and sizes for different pyrography effects.

5. SETUP

Follow these steps to set up your pyrography machine:

1. **Placement:** Place the control unit on a stable, heat-resistant surface in a well-ventilated area.
2. **Connect Pens:** Insert the connectors of the pyrography pens firmly into the sockets on the front of the control unit.
3. **Install Wire Tip:**
 - a. Using the provided screwdriver, loosen the two screws on the pen head. Ensure the screws are loosened by more than 4mm.
 - b. Carefully insert the chosen wire tip into the copper wire connection points. The foot of the tip must be inserted more than 8mm.
 - c. Tighten the screws firmly. Ensure the tip is securely held and the spring is pulled taut. An improperly tightened tip may not heat up or could spark.
4. **Power Connection:** Plug the power cord of the control unit into a suitable electrical outlet.

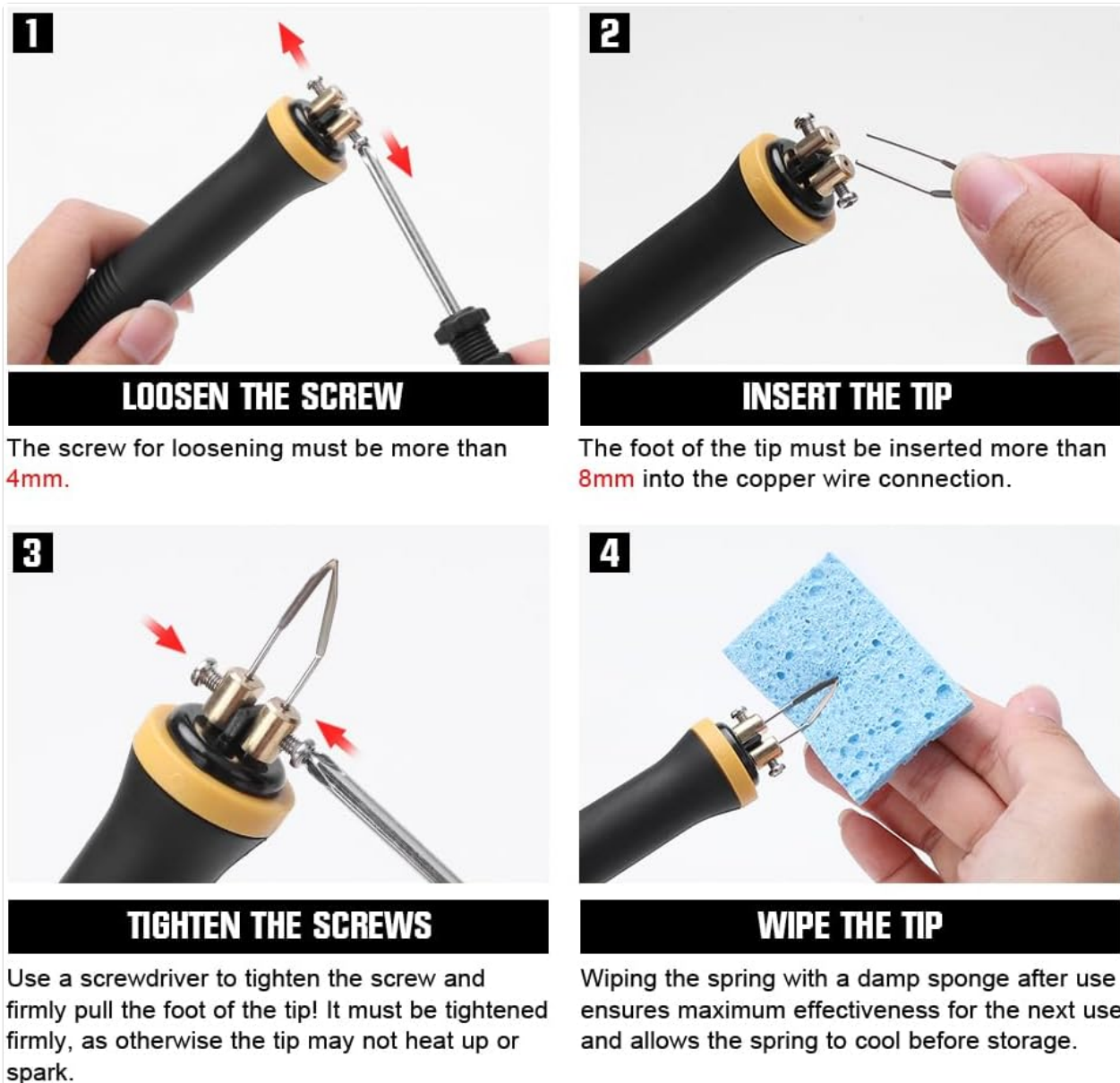


Image 5.1: Step-by-step guide for installing a wire tip into the pyrography pen, showing loosening screws, inserting the tip, tightening screws, and wiping the tip with a damp sponge.

6. OPERATING INSTRUCTIONS

Once set up, you can begin your pyrography project:

1. **Power On:** Flip the red power switch on the control unit to the 'ON' position. The digital display will illuminate.
2. **Set Temperature:** Turn the temperature adjustment knob to set your desired temperature. The digital display will show the selected temperature. The machine heats rapidly, reaching operating temperature in approximately 20 seconds. The temperature range is 0°C to 750°C.
3. **Test on Scrap Material:** Before working on your final project, always test the pen on a scrap piece of the same material to determine the optimal temperature and pressure for your desired effect.
4. **Begin Pyrography:** Hold the pen comfortably and apply gentle, consistent pressure to the material. Experiment with different tips and temperatures to achieve various line widths, shades, and textures.
5. **Pen Holder:** When not actively burning, place the hot pen in one of the provided pen stands. The pen holder is made from ABS high-temperature resistant material for safety.
6. **Cool Down:** When finished, turn the temperature knob to 0°C and then switch off the main power. Allow

the pens and tips to cool completely before handling or storing.



Image 6.1: Visual representation of the pyrography pen's temperature range, from 300°C to 750°C.



Image 6.2: A hand demonstrating pyrography on a wooden disc, illustrating the use of the tool for detailed artwork.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your pyrography machine:

- **Tip Cleaning:** Regularly wipe the hot wire tips with a damp sponge (provided) to remove carbon buildup. This ensures maximum effectiveness and prevents residue transfer to your work.
- **Unit Cleaning:** Wipe the control unit and pens with a soft, dry cloth. Do not use abrasive cleaners or immerse any part of the unit in liquid.
- **Storage:** Store the machine and all accessories in a dry, safe place away from dust and moisture. Ensure all components are cool before storing.
- **Tip Replacement:** Replace wire tips when they become worn, bent, or no longer heat effectively.

8. TROUBLESHOOTING

If you encounter issues with your pyrography machine, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Machine does not power on.	Power cord not connected, power switch off, or power outlet issue.	Ensure power cord is securely plugged in. Check if the power switch is in the 'ON' position. Test the power outlet with another device.
Pen tip does not heat up.	Tip not installed correctly, loose screws, or damaged tip.	Refer to Section 5.3 for correct tip installation. Ensure screws are tightened firmly. Replace the tip if it appears damaged.
Temperature display is erratic.	Loose pen connection or internal issue.	Ensure the pen connector is fully inserted into the socket. If the problem persists, contact customer support.
Smoke or unusual odor during operation.	Burning material, excessive temperature, or internal fault.	Ensure adequate ventilation. Reduce temperature. If the odor is from the machine itself, immediately power off and unplug the unit, then contact customer support.

If troubleshooting steps do not resolve the issue, please contact XIIW customer support for assistance.

9. SPECIFICATIONS

- **Model Number:** 81643
- **Brand:** XIIW
- **Wattage:** 100 watts
- **Temperature Range:** 0°C - 750°C (32°F - 1382°F)
- **Temperature Stability:** 300°C - 750°C
- **Display Type:** LED Digital Display
- **Pen Weight:** Approximately 33 grams (1.16 ounces)
- **Package Dimensions:** 11.46 x 8.54 x 5.47 inches
- **Date First Available:** June 9, 2023

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or contact XIIW customer service directly. Keep your purchase receipt as proof of purchase.

XIIW Customer Service: Please visit the official XIIW website or refer to the contact information provided in your product packaging.

