

Huanyu WJJ-303a

Huanyu LH8 Electric Hot Knife User Manual

Model: WJJ-303a

INTRODUCTION

Thank you for choosing the Huanyu LH8 Electric Hot Knife. This tool is designed for precise and efficient cutting of various materials such as foam, fabric, leather, and rope. Please read this manual thoroughly before operation to ensure safe and optimal performance. Keep this manual for future reference.

SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment, including safety glasses and heat-resistant gloves.
- Ensure the work area is well-ventilated to dissipate fumes produced during cutting.
- Do not touch the blade when the tool is powered on or immediately after use, as it reaches temperatures up to 600°C.
- Keep the hot knife away from flammable materials.
- Do not operate the tool in damp or wet conditions.
- Unplug the tool from the power source when not in use, before changing blades, or during maintenance.
- Keep children and unauthorized persons away from the work area.
- Use only genuine Huanyu replacement blades and accessories.
- Do not modify the tool or use it for purposes other than its intended use.
- Inspect the power cord and tool for damage before each use. Do not use if damaged.

PACKAGE CONTENTS

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

- Huanyu LH8 Electric Hot Knife (110V, 100W) with 3-meter power cord
- Blade guide
- R-type Blade *1
- Arc Blade *1
- Sharp Blade *1
- Shovel Blade *1
- Tool box
- Hex wrench *1
- Steel brush *1



Image: Contents of the Huanyu LH8 Electric Hot Knife package, including the hot knife, various blades, a blade guide, hex wrench, steel brush, and a carrying case.

SETUP

1. **Select the Appropriate Blade:** Choose a blade suitable for the material and desired cut. Refer to the "Blade Types and Applications" section for guidance.
2. **Install the Blade:**
 - Ensure the hot knife is unplugged and completely cool.

- Loosen the blade mounting screws on the knife holder using the provided hex wrench.
 - Insert the chosen blade into the knife holder, ensuring it is seated correctly.
 - Tighten the screws firmly to secure the blade. Do not overtighten.
3. **Prepare the Work Area:** Place the material to be cut on a heat-resistant, stable surface. Ensure adequate ventilation.
4. **Connect Power:** Plug the hot knife into a compatible 110V power outlet.



Image: Illustration of different blade types (R Blade, Arc Blade, Sharp Blade, Shovel Blade) and their recommended applications for various materials like cloth, rope, net, acrylic board, canvas, and foam.

OPERATING INSTRUCTIONS

1. Power On and Temperature Adjustment:

- Once plugged in, the tool is ready.
- Rotate the temperature control knob (typically marked 1-9) to select the desired heat setting. Start with a lower setting and gradually increase if needed.
- The blade heats up rapidly, reaching 600°C in approximately 6 seconds.

2. Pre-heating:

Allow the blade a few seconds to reach the set temperature before beginning to cut.

3. Cutting:

- Grip the hot knife firmly.
- Gently press the hot blade against the material. Do not apply excessive force; allow the heat to melt through the material.
- Move the blade steadily along the desired cutting line.
- For optimal results, practice on scrap material first.

4. **Continuous Operation:** The tool is designed for continuous operation. Adjust the temperature as needed for prolonged use or different material densities.

5. **Power Off:** After use, turn the temperature knob to the lowest setting or unplug the tool. Allow the blade to cool completely before storing.



Image: The Huanyu LH8 Electric Hot Knife cutting fabric, demonstrating fast heating and smooth cutting capabilities. The image highlights the blade reaching 600°C in 6 seconds.



Image: Close-up of the Huanyu LH8 Electric Hot Knife showing the temperature adjustment dial with settings from 1 to 9, and details of the pure-copper knife holder and flexible trigger switch.

BLADE TYPES AND APPLICATIONS

The Huanyu LH8 comes with multiple blade types, each optimized for specific materials and cutting tasks:

Blade Type	Description	Applicable Materials
R Blade	Rounded tip, general purpose.	Cloth, Rope, Net
Arc Blade	Curved shape for specific contours.	Cloth, Net tube, Rope belt
Sharp Blade	Pointed tip for precision and piercing.	Acrylic board, Canvas, Foam
Shovel Blade	Flat, wide edge for scraping or wider cuts.	Rope, Dirt clean

4 TYPES OF CHROME NICKEL ALLOY BLADES



Image: The Huanyu LH8 Electric Hot Knife demonstrating the use of arc, sharp, and shovel type blades for cutting different materials like fabric, acrylic, and foam.

MAINTENANCE

- **Cleaning the Blade:** After the blade has cooled completely, use the provided steel brush to gently remove any melted residue or debris from the blade. Do not use abrasive cleaners or solvents.
- **Tool Body Cleaning:** Wipe the tool body with a dry or slightly damp cloth. Do not immerse the tool in water.
- **Storage:** Store the hot knife and its accessories in the provided tool box in a dry, safe place, out of reach of children. The integrated metal hook can be used for convenient storage.
- **Blade Replacement:** Replace blades when they become dull or damaged. Follow the blade installation steps in the "Setup" section.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool does not heat up.	Not plugged in; power outlet fault; damaged power cord; faulty blade connection.	Check power connection; test outlet; inspect cord for damage; ensure blade is securely installed.
Blade heats slowly or inconsistently.	Low temperature setting; loose blade connection; worn out blade.	Increase temperature setting; tighten blade screws; replace blade.
Smoke or strong odor during cutting.	Normal for some materials; insufficient ventilation; cutting too slowly.	Ensure adequate ventilation; adjust cutting speed; verify material compatibility.
Uneven or rough cuts.	Incorrect blade type; dull blade; inconsistent cutting speed or pressure.	Select appropriate blade; replace blade; maintain steady speed and light pressure.

SPECIFICATIONS

Model Number	WJJ-303a
Brand	Huanyu
Power	Max. 100 W
Input Voltage	110V (also available in 220V variant)
Blade Temperature	Heats up to 600°C (1112°F) in 6 seconds
Temperature Control	Adjustable (1-9 settings)
Net Weight (Tool)	Approximately 390 g
Power Cable Length	3 meters
Blade Material	Alloy Steel
Handle Material	Foam, Sponge
Applicable Materials	Fabric, Leather, Rope, Sponge, Foam, Acrylic Board, Canvas, Net

WARRANTY AND SUPPORT

Huanyu provides quality instruments and tools. For specific voltage requirements or any product-related inquiries, please contact Huanyu customer support via email. Ensure your product is purchased from an authorized Huanyu Instrument retailer to guarantee quality and after-sales service.

For further assistance, please refer to the contact information provided with your purchase or visit the official Huanyu website.

