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## WINONS WFC-0005

# WINONS Hot Knife Foam Cutter WFC-0005 User Manual

Model: WFC-0005

## 1. INTRODUCTION

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Thank you for choosing the WINONS Hot Knife Foam Cutter WFC-0005. This electric styrofoam cutting tool is designed for precise and efficient cutting of various foam materials, including polystyrene and styrofoam. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your new tool. Please read this manual thoroughly before first use and keep it for future reference.

## 2. PACKAGE CONTENTS

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The WINONS Hot Knife Foam Cutter WFC-0005 (Kit of 13) includes the following components:

- Foam cutting handle with temperature control and light indicator
- 8-inch (20 cm) blade
- Sled and ruler (5.6 inch / 14.2 cm)
- Pliers
- Wrench
- Brush
- Blue plastic storage box
- User manual
- Warranty card
- Multiple cutting wire attachments and tools (various shapes and sizes)



Image 2.1: Overview of the WINONS Hot Knife Foam Cutter WFC-0005 and its included accessories.



Image 2.2: The WINONS Hot Knife Foam Cutter WFC-0005 and its accessories neatly stored in the blue plastic case.

### 3. SAFETY INFORMATION

Your safety is paramount. Please observe the following safety guidelines:

- **Overheating Prevention:** For your safety and the longevity of the tool, turn it off after 40 minutes of continuous use. This will help prevent overheating and ensure optimal performance and durability.
- **Ventilation:** Use the foam cutter in a well-ventilated area. Cutting foam can produce fumes.
- **Hot Surfaces:** The blade and cutting wire become extremely hot (up to 500°C / 932°F). Avoid direct contact with skin. Allow the tool to cool completely before handling the blade or storing.
- **Accidental Activation:** The styrofoam cutter features an integrated thermal protection and a safety lock function to prevent accidental activation. Always engage the safety lock when the tool is not in use.
- **Material Compatibility:** Only use the tool for cutting foam materials as specified. Do not attempt to cut other materials.
- **Power Source:** Ensure the power source matches the tool's voltage requirements (9 Volts, 200 Watts).
- **Children and Pets:** Keep the tool out of reach of children and pets.
- **Storage:** Store the tool and accessories in the provided blue plastic box in a dry, safe place when not in

use.

## 4. SETUP

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Follow these steps to set up your WINONS Hot Knife Foam Cutter:

1. **Unpack Components:** Carefully remove all items from the blue plastic storage box.
2. **Attach Blade/Accessory:** Select the appropriate blade or cutting wire attachment for your project. Securely attach it to the foam cutting handle using the provided wrench or pliers. Ensure it is firmly seated to prevent movement during operation.
3. **Connect Power:** Plug the device into a suitable power outlet.

## 5. OPERATING INSTRUCTIONS

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Operating the WINONS Hot Knife Foam Cutter is straightforward. Follow these steps for optimal results:

### 5.1. Power On and Temperature Adjustment

1. **Power On:** Once plugged in, press the power button to turn on the device.
2. **Adjust Power/Temperature:** Use the scroll with 15 marked positions on the handle to choose the appropriate power level for your specific foam type and desired cutting speed. The innovative light indicator and beeping sound will display the current power level. The hot wire tip heats up in approximately 20 seconds, reaching temperatures up to 500°C (932°F).



- **Durable Metal Replacement Blade**
- **Blinking Red Indicator**
- **200w**
- **15 Positions of Temperature**

Image 5.1: The foam cutter showing the 8-inch blade, blinking red indicator, 200W power, and 15 temperature positions.



Image 5.2: The hot knife heating up quickly to 500°C (932°F) for efficient cutting.

## 5.2. Cutting Foam

1. **Prepare Workpiece:** Place the foam material on a stable, heat-resistant surface.
2. **Guide the Tool:** Once the blade is hot, gently guide the tool through the foam material with ease. Apply steady, light pressure. The hot wire will melt through the foam, producing clean, precise cuts every time.
3. **Using Sled and Ruler:** For straight and precise cuts, attach the sled and ruler accessory. This allows you to maintain a consistent cutting depth and angle.



Image 5.3: Demonstrating the use of the sled ruler (5.6 inch / 14.2 cm) for precise foam cutting.



Image 5.4: The foam cutter is suitable for various materials including Sponge, EPP, PVX, XPS, EPS, Pearl cotton, and Floral foam.

### 5.3. Important Considerations

- Do not force the tool through the foam. Let the heat do the work.
- Avoid prolonged contact with a single spot to prevent excessive melting or burning.
- Always ensure the area is well-ventilated to disperse any fumes.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your foam cutter:

- **Cleaning the Blade:** After use, allow the blade to cool completely. Use the included brush to gently remove any melted foam residue from the blade and cutting wire. Do not use abrasive cleaners or solvents.
- **Storage:** Always store the foam cutter and its accessories in the provided blue plastic case. This protects the components from dust, damage, and keeps them organized. Store in a dry place away from direct sunlight and extreme temperatures.
- **Cord Care:** Inspect the power cord regularly for any signs of damage. Do not use the tool if the cord is

frayed or damaged.

## 7. TROUBLESHOOTING

If you encounter issues with your WINONS Hot Knife Foam Cutter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not heat up.	Not plugged in correctly; Power outlet issue; Damaged cord/tool.	Ensure the tool is securely plugged into a working outlet. Check for power at the outlet. Inspect the power cord for damage. If damaged, discontinue use and contact support.
Blade/wire not cutting smoothly.	Temperature too low; Blade/wire dirty; Incorrect technique.	Increase the temperature setting. Clean the blade/wire with the provided brush. Apply less pressure and allow the heat to melt through the foam.
Excessive smoke or burning smell.	Temperature too high; Cutting too slowly; Poor ventilation.	Reduce the temperature setting. Increase cutting speed. Ensure adequate ventilation in your workspace.
Tool overheats quickly.	Continuous use beyond recommended time.	Turn off the tool and allow it to cool down for at least 20 minutes. Adhere to the recommended 40-minute continuous use limit.

If the problem persists after attempting these solutions, please contact WINONS customer support.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	WFC-0005
Manufacturer	WINONS
Wattage	200 Watts
Voltage	9 Volts
Blade Heat-up Time	Approx. 20 seconds
Max. Blade Temperature	500°C / 932°F
Blade Length	8 inches (20 cm)
Sled Ruler Length	5.6 inches (14.2 cm)
Material	Plastic, Metal, Rubber
Color	Blue (case), Green (tool)

Feature	Specification
Item Weight	2.48 kg
Parcel Dimensions	44.29 x 28.1 x 9.6 cm

## 9. WARRANTY AND SUPPORT

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Your WINONS Hot Knife Foam Cutter WFC-0005 comes with a warranty card included in the package. Please refer to the warranty card for specific terms and conditions regarding coverage and duration.

For technical support, warranty claims, or any questions not covered in this manual, please contact WINONS customer service through the official WINONS store on Amazon or their official website. Keep your purchase receipt and warranty card handy when contacting support.

Visit the WINONS Store: <https://www.amazon.ca/stores/WINONS/page/E302928A-6E5F-4E1C-BA4A-AE5DD90DFF31>