

## Dedra DED7520

# Dedra DED7520 Polystyrol Thermal Knife User Manual

Model: DED7520

## 1. INTRODUCTION

Thank you for choosing the Dedra DED7520 Polystyrol Thermal Knife. This tool is designed for precise cutting of polystyrol and other insulation materials. Please read this manual carefully before operating the device to ensure safe and efficient use. Keep this manual for future reference.



**Figure 1:** Dedra DED7520 Polystyrol Thermal Knife. This image shows the thermal knife with its green handle, metal heating element, and a circular guide for cutting.

## 2. 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 gloves.
- Ensure the work area is well-ventilated to avoid inhaling fumes from heated materials.

- Do not touch the heating element when the device is powered on or cooling down, as it reaches very high temperatures.
- Keep children and bystanders away while operating the thermal knife.
- Do not use the device in damp or wet conditions.
- Unplug the device from the power source before cleaning, maintenance, or when not in use.
- Inspect the power cord and plug for damage before each use. Do not use if damaged.
- Use only original accessories and blades designed for this model.
- Do not force the tool. Allow the heated blade to melt through the material.
- Store the thermal knife in a safe, dry place out of reach of children.

## 3. SETUP

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1. **Unpacking:** Carefully remove the thermal knife and all accessories from the packaging. Check for any damage.
2. **Blade Installation:** Ensure the device is unplugged. Securely attach the appropriate blade for your cutting task. Refer to the blade attachment mechanism on the tool.
3. **Work Area Preparation:** Set up your work area in a well-ventilated space. Ensure the material to be cut is stable and properly supported.
4. **Power Connection:** Plug the thermal knife into a suitable power outlet (220-240V AC).

## 4. OPERATING INSTRUCTIONS

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The Dedra DED7520 features a temperature control system with a light signal to indicate readiness for work and 5 heating levels.

1. **Power On:** Switch on the device. The indicator light will illuminate.
2. **Temperature Selection:** Use the temperature control dial or buttons to select the desired heating level. The available temperature range is 70°C, 150°C, 275°C, 380°C, and 450°C. Start with a lower temperature and increase if necessary.
3. **Preheating:** Allow the thermal knife to preheat. The light signal will indicate when the selected temperature is reached and the tool is ready for use. This typically takes a few minutes.
4. **Cutting:** Gently guide the heated blade through the material. Do not apply excessive force; allow the heat to do the work. Maintain a steady, even pace for clean cuts.
5. **Cool Down:** After use, switch off the device and unplug it. Place the thermal knife on a heat-resistant surface and allow it to cool completely before storing.

**Note:** The working length of the blade is approximately 14 cm, with a maximum knife length of 22 cm.

## 5. MAINTENANCE

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- **Cleaning:** Ensure the device is unplugged and completely cool before cleaning. Use a dry cloth to wipe down the handle and body. Carefully remove any melted material residue from the blade using a non-abrasive tool.
- **Blade Replacement:** If the blade becomes dull or damaged, replace it with an original Dedra replacement blade. Follow the blade installation steps in the Setup section.

- **Storage:** Store the thermal knife in its original packaging or a protective case in a dry, dust-free environment.
- **Inspection:** Regularly inspect the power cord, plug, and heating element for any signs of wear or damage.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	No power supply; damaged cord/plug.	Check power outlet; inspect cord/plug for damage. If damaged, do not use and seek professional repair.
Blade not heating up.	Incorrect temperature setting; faulty heating element.	Ensure correct temperature is selected and indicator light is on. If problem persists, contact customer support.
Poor cutting performance.	Blade is dull or dirty; insufficient temperature.	Clean or replace the blade. Increase the temperature setting.

If you encounter problems not listed here, or if the suggested solutions do not resolve the issue, please contact Dedra customer support.

## 7. TECHNICAL SPECIFICATIONS

**Model:** DED7520

**Power:** 220 W max.

**Maximum Heating Temperature:** ~450 °C

**Heating Levels:** 5 levels

**Temperature Range:** 70°C / 150°C / 275°C / 380°C / 450°C

**Protection Type:** I

**Working Length (Blade):** 14 cm

**Maximum Knife Length:** 22 cm

**Weight:** ~1.01 kg (Package Weight)

**Special Feature:** Lightweight, Temperature control with light signal

**Manufacturer:** Dedra

## 8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Dedra website. For technical support or service inquiries, please contact your local Dedra dealer or customer service department. Keep your proof of purchase for warranty claims.

**Dedra Official Website:** [www.dedra.pl](http://www.dedra.pl) (Example link, actual link may vary)