

# Operation Manual

## Polystyrene Cutter

62995



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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## Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

The polystyrene cutter is a professional hot cutting tool for foamed plastics. It heats up in seconds and enables the operator to precisely control the temperature.

## Safety instructions

- Check the device for completeness and function before each start-up.
- Never operate a damaged or unusable device.
- If the device is damaged, you should have it repaired by a qualified specialist.
- Do not use the device forcibly.
- Never leave the device unattended near children.
- The device is not intended to be used by persons (including children) with limited physical, sensory, or mental capabilities or a lack of experience and knowledge, unless they are supervised by a person responsible for their safety or have received from him or her instructions on how to use the device.
- Follow all instructions and notes in this manual to avoid damage to property and injuries.
- Only operate the device in a well-ventilated area.
- Do not touch the blade while it is heating up and do not bring it near flammable materials after it has heated up.
- To avoid burns, do not touch the blade until it has cooled down.
- Do not burn any residue on the blade as this will warp it.
- Do not use the cutter in a damp environment and keep the device away from rain.
- Only cut materials for which the device has been designed.

## Recommended use

Expanded polystyrene (EPS), extruded polystyrene (XPS), polyethylene, cross-linked polyethylene, polypropylene and many other foamed plastics and materials can be easily cut with the polystyrene cutter. Check with the foam manufacturer for safe and correct cutting practices.

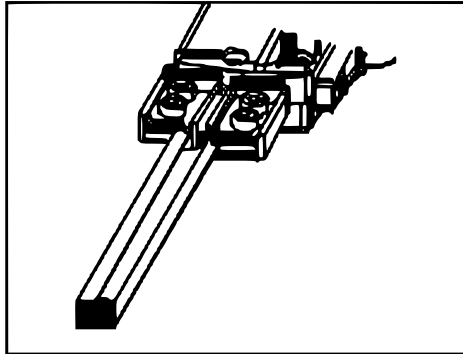
## Technical specifications

<b>Voltage (V)</b>	230
<b>Frequency (kg)</b>	50
<b>Power (W)</b>	150
<b>Length (mm)</b>	260
<b>Width (mm)</b>	50

## Mounting the blade

**Note!** Always pull the power plug before installing or removing the blades. Allow the blades, blade holders, and metal adjustment wheel to cool sufficiently before picking them up.

**Caution!** The blade is sharp-edged. Always cut with the sharp edge for the cleanest cut.



### *Straight blades*

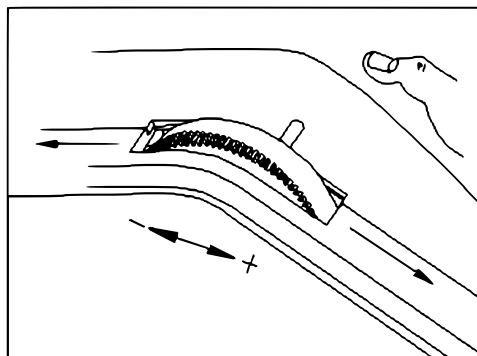
1. Loosen the screws on the blade holders with a wrench.
2. Slide the blade under the square pressure plate until it is firmly in place.
3. Tighten the screws securely so that the electrical connection is correct. But do not over-tighten them.
4. Once the blade is firmly in place, connect the device to a standard 220–240 V power supply.
5. The temperature regulator has 16 locking positions that correspond to the stepped grooves on the surface. The smaller the groove, the lower the power setting.
6. Press the switch to use the device.

**Caution!** Excessive power output and heat development can lead to overheating of the blade holder and thus to damage to the device. Ensure the correct output power and cutting speed, as overheating will burn the blade. The blade does not must be red-hot to move through foamed plastics.

## Commissioning

Set the temperature control to the medium temperature setting, place the blade on the edge of the foam and pull the trigger. Optimal cutting should be almost entirely smoke-free.

**Note!** For best results, first practice on foam scraps.





- When cutting polystyrene, it is best to keep the temperature and speed uniform.
- If smoke develops during the cut, the cut is too slow or the blade is too hot, which can result in an oversized, uneven cut. You can remedy this by lowering the temperature and occasionally letting go of the trigger during the cut.
- When the cutting resistance increases, pull the trigger again. The device reaches the set temperature within seconds. This allows you to do your cut with minimal smoke. Cutting this way also extends the life of the blade.
- If you let go of the trigger about 1 or 2 cm before finishing cutting, the blade will stay clean and free of debris.
- The selected cutting blade should not protrude more than 2 cm ( $\frac{3}{4}$ " ) beyond the thickness of your foam board. The foam cools the blade as it cuts. However, the free part can overheat, which can cause the blade to warp.

### **Maintenance**

- Regular use of the polystyrene cutter can cause material to build up on the blades and blade holders. This excess material interferes with the flow of heat and affects the performance of the blades. The blade holder and the blades can be cleaned thoroughly with a wire brush.
- Always keep the ventilation slots clean to ensure safe and proper work.

## Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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