

Dremel 1550

Dremel 1550 Versa Tip Multipurpose Tool Kit Instruction Manual

Model: 1550 | Brand: Dremel

1. INTRODUCTION

The Dremel 1550 Versa Tip Multipurpose Tool Kit is designed for a variety of precision tasks including wood burning, soldering, hot knife cutting of styrofoam and plastics, and cutting and fusing rope. This versatile tool offers a maximum tip temperature of 1,050°F for efficient operation and features an ergonomic, stay-cool design for comfortable use. By simply switching the interchangeable tips, users can adapt the tool for different crafting and repair applications.



Image 1.1: The Dremel 1550 Versa Tip Multipurpose Tool Kit, showcasing the main unit and several interchangeable tips for diverse applications.

2. SAFETY INFORMATION

Always prioritize safety when operating the Dremel 1550 Versa Tip tool. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Read all instructions:** Before using the tool, thoroughly read and understand all safety warnings and instructions provided.
- **Wear appropriate safety gear:** Always wear safety glasses or goggles to protect your eyes from debris or fumes. Consider gloves for heat protection.
- **Work in a well-ventilated area:** Some applications, especially wood burning and plastic cutting, can produce fumes. Ensure adequate ventilation to avoid inhaling harmful vapors.
- **Avoid contact with hot surfaces:** The tool's tips reach temperatures up to 1,050°F (565°C). Do not touch the tip or metal parts of the tool when it is hot or cooling down. Use the included tool stand to rest the hot tool.
- **Keep away from flammable materials:** Do not use the tool near flammable liquids, gases, or materials.
- **Unplug when not in use or changing tips:** Always unplug the tool from the power outlet before changing

tips, performing maintenance, or when the tool is not in active use. Allow the tool to cool completely before handling tips.

- **Secure workpiece:** Ensure your workpiece is stable and secured to prevent movement during operation.
- **Store properly:** Allow the tool to cool completely before storing. Store in a dry, safe place out of reach of children.

3. PACKAGE CONTENTS

The Dremel 1550 Versa Tip Multipurpose Tool Kit includes the following components:

- Dremel 1550 Multipurpose Tool (Base Unit)
- Tool Stand
- Universal Wood-burning/Leather Crafting Tip
- Script Wood-burning/Leather Crafting Tip
- Soldering Tip
- Knife Tip (for hot cutting)
- Fine Stencil Cutting/Wood-burning/Leather Crafting Tip
- Storage Tube

4. SETUP

1. **Select the appropriate tip:** Choose the desired tip for your application (e.g., wood burning, soldering, hot knife cutting).
2. **Attach the tip:** Ensure the tool is unplugged and cool. Carefully screw the chosen tip onto the threaded end of the tool. Do not overtighten.
3. **Place on stand:** Position the tool on the included stand on a heat-resistant surface. This prevents the hot tip from contacting your work surface.
4. **Connect to power:** Plug the tool into a standard 120-volt electrical outlet.
5. **Allow to heat:** The tool features a high-efficiency bronze core heating element that heats quickly. Allow a few minutes for the tip to reach its operating temperature (up to 1,050°F).

5. OPERATING INSTRUCTIONS

Always ensure the tool is properly heated and you are working in a well-ventilated area with appropriate safety gear.

5.1 Wood Burning and Leather Crafting (Pyrography)

- Attach a wood-burning or leather crafting tip.
- Allow the tool to heat fully.
- Gently touch the hot tip to the wood or leather surface. Apply light, consistent pressure to create lines and shading.
- Practice on scrap material first to get a feel for the tool and tip.

5.2 Soldering

- Attach the soldering tip.
- Allow the tool to heat fully.

- Clean the surfaces to be soldered. Apply a small amount of solder to the tip to "tin" it, ensuring good heat transfer.
- Place the hot tip against the joint to be soldered, heating both components simultaneously.
- Apply solder to the heated joint, not directly to the tip. The solder should flow smoothly into the joint.
- Remove the tip and allow the solder to cool and solidify without disturbance.

5.3 Hot Knife Cutting (Styrofoam, Plastics, Rope)

- Attach the knife tip.
- Allow the tool to heat fully.
- For styrofoam and plastics: Gently guide the hot knife tip through the material. The heat will melt and cut the material cleanly. Work in a well-ventilated area due to potential fumes.
- For rope: Press the hot knife tip firmly against the rope to cut and fuse the ends simultaneously, preventing fraying.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Dremel 1550 tool.

- **Cleaning Tips:** After use, and once the tool has cooled completely, gently wipe the tips with a soft cloth to remove any residue. For soldering tips, a damp sponge or brass wool can be used to clean off excess solder while the tip is still warm (but unplugged).
- **Tool Body Cleaning:** Wipe the tool body with a dry or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Always allow the tool and tips to cool completely before storing them in the provided storage tube or a safe, dry place.
- **Inspection:** Periodically inspect the power cord for any damage. If the cord is damaged, discontinue use and contact Dremel customer support.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not heat up.	Not plugged in; power outlet issue; internal fault.	Ensure tool is securely plugged into a working outlet. Test the outlet with another device. If still not heating, contact customer support.
Tip not heating sufficiently.	Insufficient warm-up time; loose tip connection.	Allow adequate time for the tool to reach full temperature (several minutes). Ensure the tip is securely screwed onto the tool.
Smoke or unusual odor during use.	Normal for some materials (e.g., wood burning, plastics); excessive residue on tip.	Ensure adequate ventilation. Clean the tip if there is excessive residue. If smoke is from the tool body or smells electrical, unplug immediately and contact support.

8. SPECIFICATIONS

Model Number	1550
Manufacturer	Dremel
Voltage	120 Volts
Maximum Tip Temperature	1,050°F (565°C)
Product Dimensions (L x W x H)	25.02 x 17.78 x 12.83 cm (9.85 x 7.0 x 5.05 inches)
Item Weight	73.71 g (2.6 Ounces)
Material	Multi
Special Features	Maximum tip temperature of 1,050°F, Six replaceable/interchangeable design tips, Short shaft length for excellent control, High-efficiency bronze core heating element, Ergonomic stay-cool design

9. WARRANTY AND SUPPORT

The Dremel 1550 Versa Tip Multipurpose Tool Kit comes with a **30-Day money back guarantee** and a **1-Year manufacturer warranty**.

For technical support, warranty claims, or further assistance, please visit the official Dremel website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty purposes.

Manufacturer: Dremel

Place of Business: Mount Prospect, IL 60056 USA