

Dremel 2050-15

Dremel 2050-15 Stylo+ Versatile Craft Rotary Tool Instruction Manual

Model: 2050-15

[Introduction](#)

[Safety Information](#)

[Package Contents](#)

[Tool Overview](#)

[Setup](#)

[Operation](#)

[Accessories](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Dremel 2050-15 Stylo+ Versatile Craft Rotary Tool. Please read this manual thoroughly before operating the tool to ensure proper handling, optimal performance, and to prevent injury or damage. Keep this manual for future reference.

The Dremel Stylo+ is designed for light-duty and detailed applications such as carving, engraving, polishing, and sanding across various materials including wood, glass, metal, plastic, and ceramics.

2. SAFETY INFORMATION

General Safety Warnings:

- Always wear appropriate personal protective equipment (PPE), including safety glasses, dust mask, and gloves, when operating the tool.
- Ensure your work area is well-lit and free from clutter.
- Keep children and bystanders away while operating a power tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in.
- Do not overreach. Maintain proper footing and balance at all times.
- Secure the workpiece. Use clamps or a vise to hold the workpiece stable.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- Use the correct tool for your application. Do not force the tool.
- Inspect accessories for damage before use. Do not use damaged accessories.

Electrical Safety:

- Do not expose power tools to rain or wet conditions.

- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool.
- Keep cord away from heat, oil, sharp edges, or moving parts.

3. PACKAGE CONTENTS

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

- 1 x Dremel Stylo+ Rotary Tool
- 11 x Carving & Engraving Bits (105, 106, 107, 108, 7103, 7134)
- 1 x Storage Case
- 1 x Drill Bit
- 1 x Screwdriver Bit
- 1 x Polisher Bit
- 1 x Sandpaper Sheet
- 1 x Polishing Pad



Image: The Dremel Stylo+ rotary tool shown with its full set of included accessories, including various carving, engraving, polishing, and sanding bits, and a storage case.

4. TOOL OVERVIEW

Familiarize yourself with the components of your Dremel Stylo+ rotary tool:

- **Collet Nut:** Secures the accessory in place.
- **Collet:** Holds the accessory shank.
- **Shaft Lock Button:** Engages to allow loosening/tightening of the collet nut.
- **On/Off Switch:** Powers the tool on or off.
- **Variable Speed Dial:** Adjusts the rotational speed of the tool.
- **Power Cord:** Connects the tool to an electrical outlet.

DREMEL[®]
STYLO+

VERSATILITY

BASIC

Compatible with most Dremel rotary accessories.

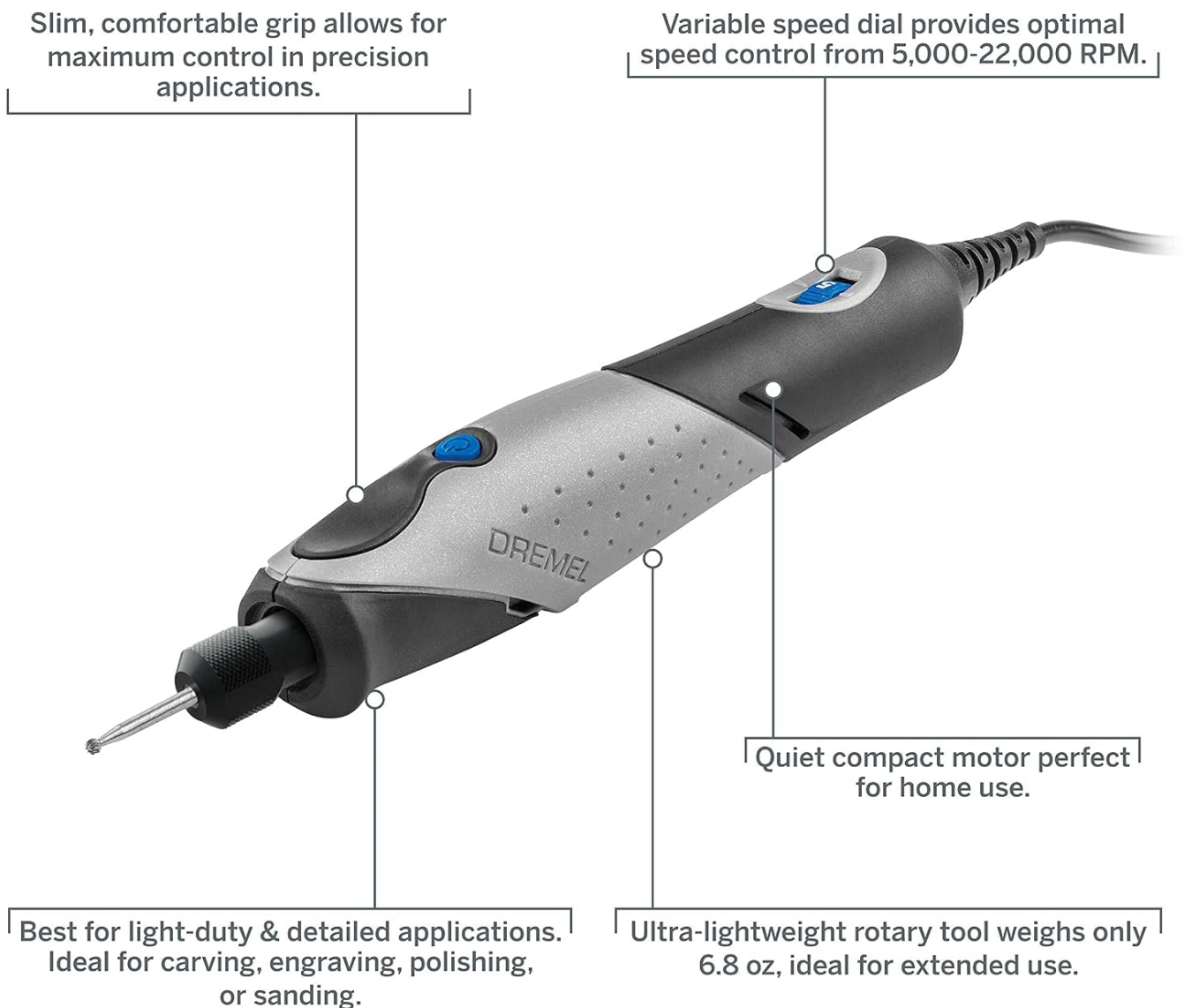


Image: A detailed view of the Dremel Stylo+ rotary tool highlighting its slim grip, variable speed dial, quiet compact motor, and lightweight design, ideal for light-duty and detailed applications.

5. SETUP

5.1. Inserting and Removing Accessories

1. **Ensure the tool is unplugged** from the power source before changing accessories.
2. Press and hold the **shaft lock button** to prevent the shaft from rotating.
3. Loosen the **collet nut** by turning it counter-clockwise. If it is tight, use the included wrench.
4. Insert the shank of the desired accessory into the **collet** as far as it will go, then pull it out slightly (about 1/16 inch or 2 mm) to allow for thermal expansion.
5. Tighten the **collet nut** by turning it clockwise while still holding the shaft lock button. Do not overtighten.
6. Release the shaft lock button.

Note: Always use the correct collet size for the accessory shank. If the accessory shank is too small for the collet, it will not be securely held.

6. OPERATING INSTRUCTIONS

6.1. Powering On and Off

- Plug the tool into a standard 120V electrical outlet.
- To turn on, slide the **On/Off switch** to the "On" position.
- To turn off, slide the **On/Off switch** to the "Off" position.

6.2. Adjusting Speed

The Dremel Stylo+ features a variable speed dial, allowing you to select the optimal speed for your application and material. The speed range is 5,000 to 22,000 RPM.

- Turn the **variable speed dial** to increase or decrease the rotational speed.
- Start with a lower speed for delicate work, polishing, or when working with softer materials.
- Use higher speeds for carving, engraving, or when working with harder materials.
- Always test on a scrap piece of material first to determine the ideal speed.

6.3. General Operating Tips

- Hold the tool like a pen for maximum control and precision.
- Apply light pressure. Let the tool and accessory do the work. Excessive pressure can cause the tool to bog down, overheat, or damage the accessory/workpiece.
- Keep the tool moving to prevent burning or gouging the material.
- For detailed work, use the smallest appropriate accessory and a steady hand.



Image: A person using the Dremel Stylo+ to engrave intricate designs onto a glass terrarium, demonstrating the tool's precision for delicate tasks.



Image: A close-up of a person using the Dremel Stylo+ with a sanding accessory to smooth the surface of a wooden spoon, showcasing its utility for woodworking detail.

7. ACCESSORY GUIDE

The Dremel Stylo+ comes with an 11-piece carving & engraving micro accessory kit, suitable for a variety of materials and applications.

7.1. Carving & Engraving Bits

- **Engraving Bits (105, 106, 107, 108):** These bits are designed for fine detail work, carving, and engraving in materials like wood, plastic, soft metals, and glass. The different sizes allow for varying line widths and detail levels.
- **Diamond Wheel Points (7103, 7134):** Ideal for engraving and fine detail work on harder materials such as glass, stone, ceramics, and hardened steel.

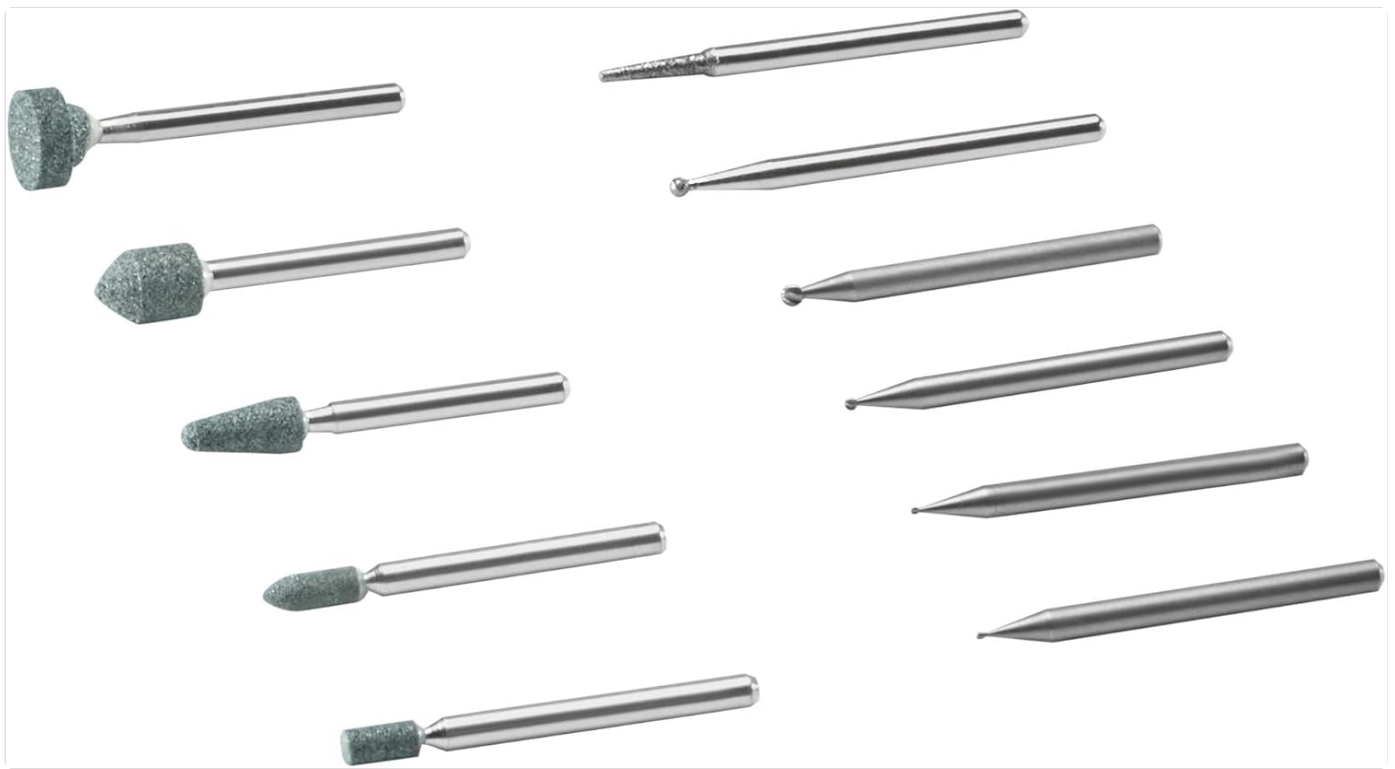


Image: A selection of Dremel engraving bits, including various shapes and sizes, suitable for detailed carving and etching on different materials.

7.2. Other Included Accessories

- **Drill Bit:** For drilling small pilot holes or creating initial entry points.
- **Screwdriver Bit:** For light fastening tasks.
- **Polisher Bit & Polishing Pad:** Used for polishing and buffing surfaces to a high shine. Apply polishing compound as needed.
- **Sandpaper Sheet:** For light sanding and smoothing of surfaces.



Image: A comprehensive view of the Dremel accessory kit, displaying various grinding stones, sanding bands, polishing wheels, and engraving bits, along with a polishing compound.

8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Dremel Stylo+.

- **Cleaning:** After each use, unplug the tool and use a soft brush or compressed air to remove dust and debris from the ventilation openings and around the collet area. Do not use harsh chemicals or abrasive cleaners.
- **Accessory Care:** Clean accessories after use. Store them in the provided storage case to protect them from damage and loss.
- **Cord Inspection:** Periodically inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified service technician.
- **Storage:** Store the tool and accessories in a dry, secure location out of reach of children.

9. TROUBLESHOOTING

If you encounter issues with your Dremel Stylo+, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not turn on.	No power, faulty switch, damaged cord.	Check power outlet. Ensure cord is not damaged. Verify switch is fully in "On" position.
Accessory wobbles or vibrates excessively.	Accessory not properly seated, bent shank, incorrect collet size.	Ensure accessory is fully inserted and collet nut is tightened. Check accessory shank for bends. Use correct collet size.
Tool overheats.	Excessive pressure, blocked ventilation, prolonged use.	Reduce pressure. Clear ventilation openings. Allow tool to cool down.
Poor performance / slow speed.	Low speed setting, excessive pressure, dull accessory.	Adjust speed dial to a higher setting. Reduce pressure. Replace dull accessories.

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

10. SPECIFICATIONS

Brand	Dremel
Model	2050-15 Stylo+
Voltage	120 Volts
Power Source	Corded Electric
Speed Range	5,000 - 22,000 RPM (Variable)
Weight	Approximately 6.8 oz (Ultra-lightweight)
Recommended Uses	Engraving, Cutting, Polishing, Sanding, Carving
Included Accessories	11 Carving & Engraving Bits, Storage Case, Drill Bit, Screwdriver Bit, Polisher Bit, Sandpaper Sheet, Polishing Pad

11. WARRANTY AND SUPPORT

Dremel products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Dremel website.

For technical assistance, replacement parts, or service, please contact Dremel Customer Service. Contact information can typically be found on the Dremel website or in the packaging materials.

Online Resources: www.dremel.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question