Enventor 94702

Enventor Mini Cordless Rotary Tool

Model: 94702

Brand: Enventor

Introduction

This manual provides essential instructions for the safe and effective use of your Enventor Mini Cordless Rotary Tool. Please read this manual thoroughly before operating the tool and retain it for future reference. This tool is designed for fine DIY work such as polishing, sanding, engraving, grinding, carving, and drilling. It is not intended for heavy-duty projects.

Important Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using this tool.

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines.
- **Wear eye protection:** Always wear safety glasses or goggles to protect against flying debris.
- **Secure workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during operation.
- **Avoid accidental starting:** Ensure the switch is in the OFF position before connecting to a power source or picking up the tool.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Use the right tool:** Do not force the tool or attachment to do a job for which it was not designed.
- **Store idle tools:** When not in use, tools should be stored in a dry, high, or locked-up place, out of reach of children.
- **Maintain tools with care:** Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Check for damaged parts:** Before further use, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **Battery safety:** Do not incinerate the battery even if it is severely damaged or completely worn out. The battery can explode in a fire.

Package Contents

Your Enventor Mini Cordless Rotary Tool package includes the following items:

- 1 x Enventor 8V Cordless Rotary Tool

- 80 x Assorted Accessories (for cutting, grinding, carving, sanding, drilling, polishing, cleaning)
- 1 x USB-C Charging Cable
- 1 x User Manual
- 1 x Wrench
- 1 x Storage Box / Accessory Case

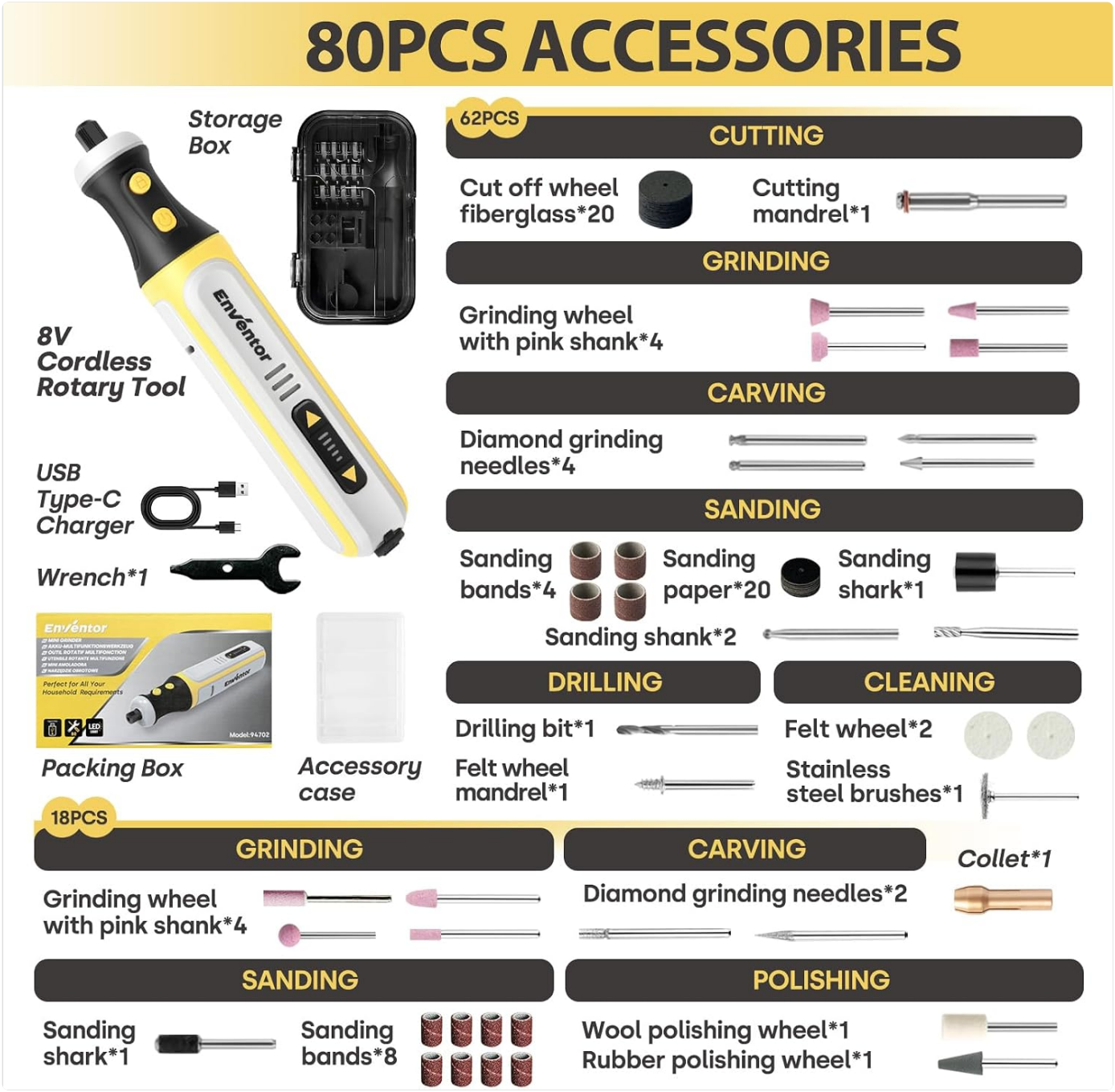


Image: The Enventor Mini Cordless Rotary Tool shown with its comprehensive set of 80 accessories and the included storage case.

Product Features and Components

Familiarize yourself with the different parts of your rotary tool:

ENVENTOR 8V Cordless Rotary Tool

Product Details



Image: Detailed diagram illustrating the key components of the Enventor Mini Cordless Rotary Tool, including the Spindle Lock Button, ON/OFF Switch, Speed Indicator, USB Charging Port, Heat Dissipation Holes, and Removable Chuck.

- **Spindle Lock Button:** Used to lock the spindle for easy accessory changes.
- **ON/OFF Switch:** Powers the tool on and off.
- **Speed Indicator:** Displays the current speed setting.
- **USB Charging Port (Type-C):** For convenient charging of the built-in Li-ion battery.
- **Heat Dissipation Holes:** Designed to efficiently dissipate heat and extend tool life.
- **Removable Chuck:** Allows for tool-free accessory replacement.



Image: This image highlights the ergonomic design with rubber grip, the removable chuck with various accessory bits, the USB Type-C charging capability, and the compact, lightweight nature of the tool.

Setup

Charging the Tool

The Enventor Mini Cordless Rotary Tool features a built-in Li-ion battery and a USB Type-C charging port. Ensure the tool is fully charged before first use for optimal performance.

1. Locate the USB Type-C charging port on the tool.
2. Connect the provided USB-C cable to the tool's charging port.
3. Connect the other end of the USB-C cable to a compatible USB power adapter (not included) or a USB port on a computer.
4. The speed indicator lights will illuminate to show charging status. All lights will be solid when fully charged.
5. A full charge typically takes approximately 2 hours, providing continuous operation for about 2 hours.

Installing Accessories

The tool features a keyless chuck for easy and quick accessory changes without the need for additional tools.

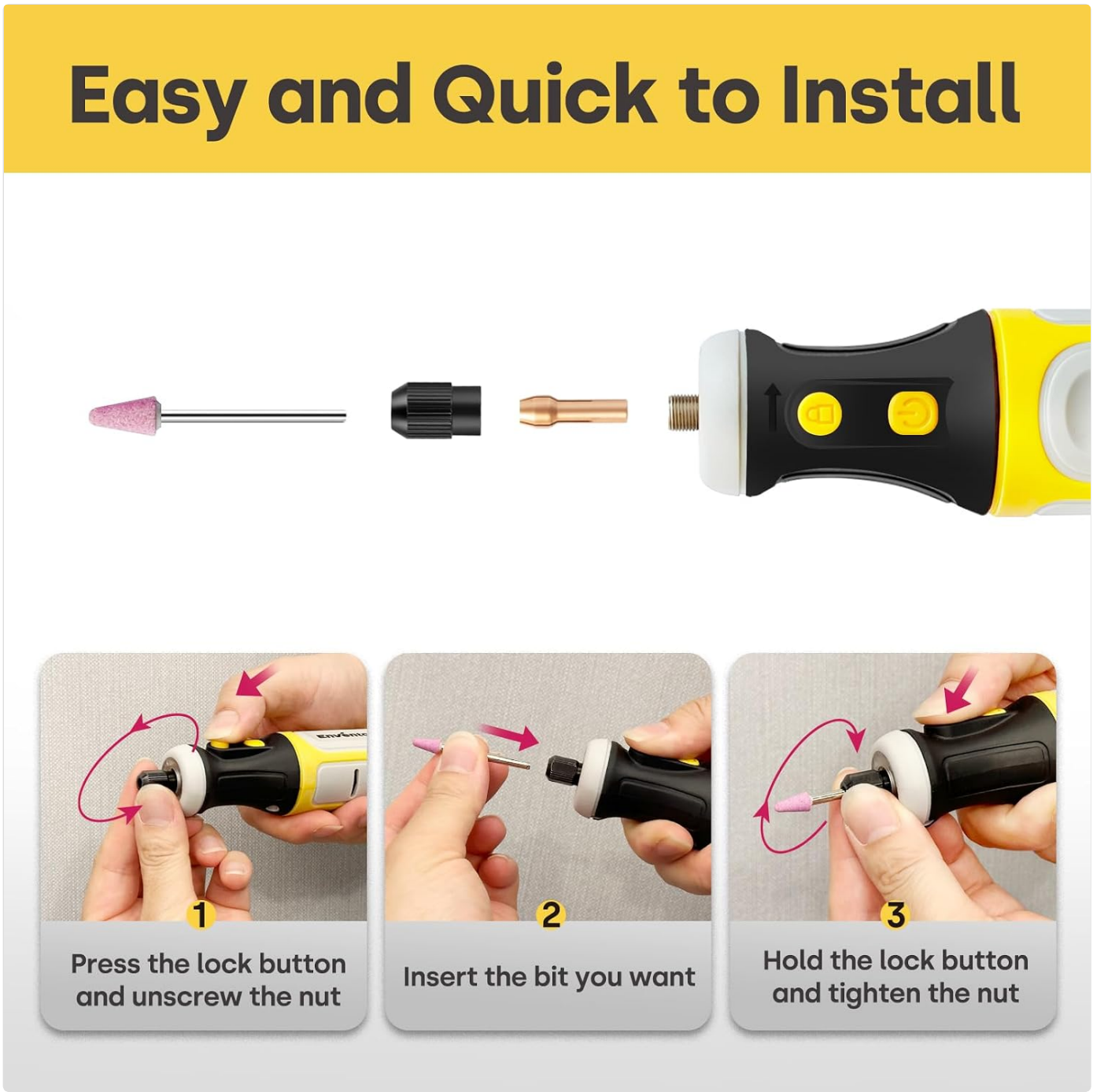


Image: Step-by-step guide demonstrating how to install an accessory bit into the rotary tool's chuck. This involves pressing the spindle lock button, unscrewing the nut, inserting the desired bit, and then tightening the nut while holding the lock button.

1. Ensure the tool is turned OFF.
2. Press and hold the spindle lock button located near the chuck.
3. While holding the lock button, unscrew the chuck nut counter-clockwise until it is loose enough to insert an accessory.
4. Insert the shank of the desired accessory bit fully into the chuck.
5. Continue holding the spindle lock button and tighten the chuck nut clockwise until the accessory is securely fastened. Do not overtighten.
6. Release the spindle lock button. Gently pull on the accessory to ensure it is firmly seated.

Operating Instructions

Powering On and Off

- To turn the tool ON, press the ON/OFF switch. The tool will start at the lowest speed setting.
- To turn the tool OFF, press the ON/OFF switch again until all speed indicator lights are off.

Adjusting Speed Settings

The Enventor Mini Cordless Rotary Tool offers 5 adjustable speed settings, allowing you to match the speed to your specific task.



Image: A visual representation of the 5-speed settings available on the rotary tool, detailing the corresponding RPM ranges from 5,000 RPM (Speed 1) to 28,000 RPM (Speed 5).

Speed Settings Guide

Speed Setting	Speed Range (RPM)

Speed Setting	Speed Range (RPM)
1	5,000
2	10,000
3	15,000
4	20,000
5	28,000

To adjust the speed, press the speed adjustment button (often integrated with the ON/OFF switch or a separate button). Each press will cycle through the available speed settings. The speed indicator lights will show the selected speed.

General Usage Tips

- Always start at a lower speed and gradually increase as needed for the task and material.
- Apply light pressure. Let the tool and accessory do the work. Excessive pressure can cause the tool to stall, overheat, or damage the workpiece.
- Keep the tool moving to prevent burning or gouging the material.
- For detailed work, use the built-in LED work lights for better visibility.

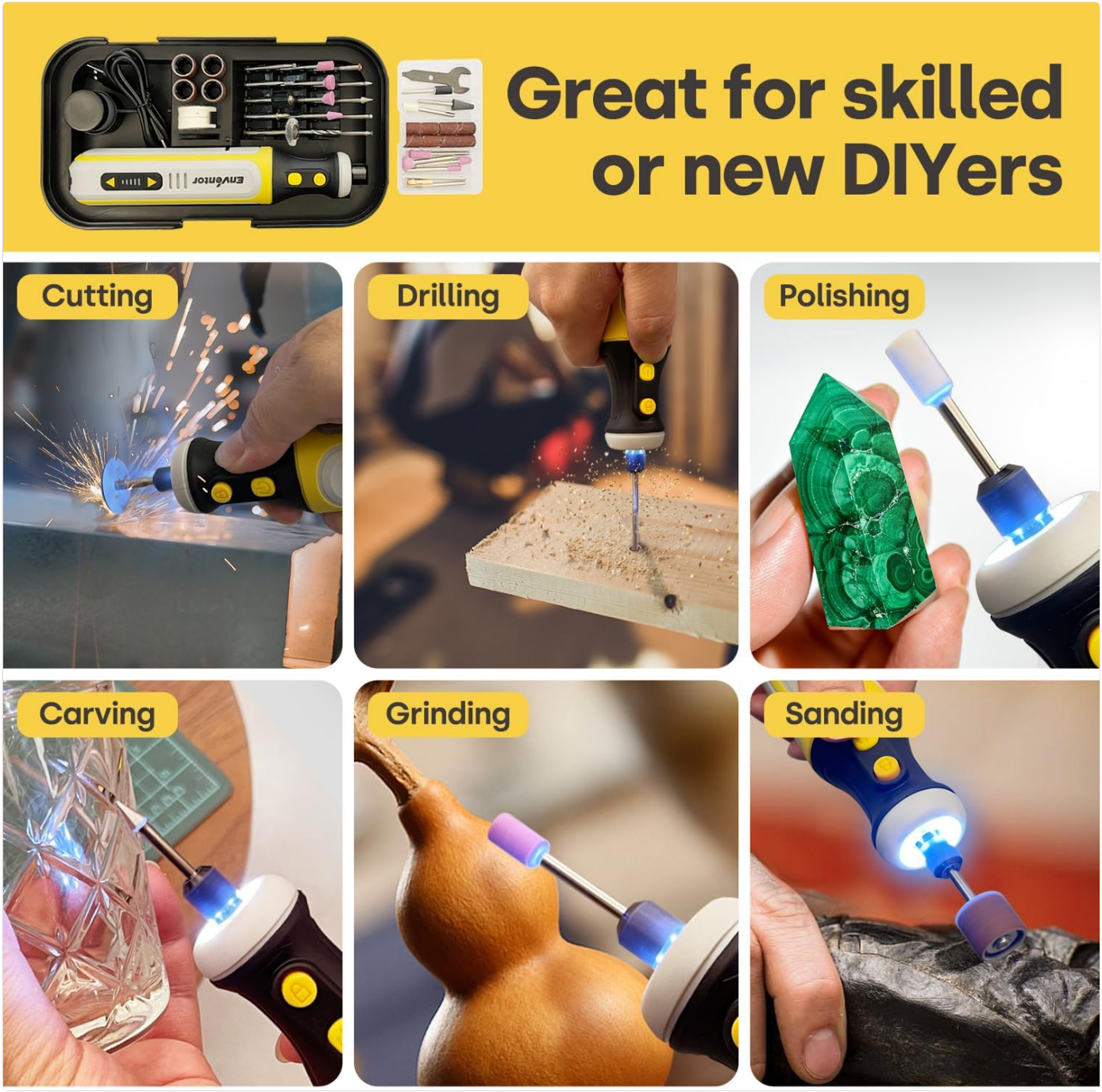


Image: This image displays various applications of the rotary tool, including cutting metal, drilling wood, polishing a gemstone, carving glass, grinding a gourd, and sanding a wooden sculpture.

Maintenance

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

- **Cleaning:** After each use, wipe the tool with a clean, damp cloth. Use a soft brush to remove dust and debris from the ventilation holes. Do not use harsh chemicals or abrasive cleaners.
- **Accessory Care:** Clean accessories after use. Store them in the provided accessory case to prevent damage and loss.
- **Storage:** Store the tool and accessories in a dry, cool place, away from direct sunlight and moisture. Ensure the tool is fully charged before long-term storage.
- **Battery Care:** To prolong battery life, avoid completely discharging the battery frequently. Recharge the tool regularly, even if not in use for extended periods.

Troubleshooting

If you encounter issues with your Enventor Mini Cordless Rotary Tool, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is discharged.	Charge the tool using the USB-C cable.
Tool stops during operation.	Overload or low battery.	Reduce pressure on the workpiece. Recharge the battery if low.
Accessory bit is loose or falls out.	Chuck nut not tightened sufficiently.	Ensure the chuck nut is securely tightened while holding the spindle lock button.
Tool overheats.	Continuous heavy use or blocked ventilation.	Allow the tool to cool down. Ensure ventilation holes are clear of debris. Avoid excessive pressure.
Battery not charging.	Faulty cable or power adapter.	Try a different USB-C cable and a different USB power adapter. Ensure connections are secure.

Specifications

Feature	Detail
Model Number	94702
Power Source	Battery Powered (Built-in Li-ion)
Voltage	8V (DC)
Wattage	64 watts
Speed Settings	5-Speed (5,000 - 28,000 RPM)
Charging Port	USB Type-C
Continuous Run Time	Approx. 2 hours (after full charge)
Item Weight	739 g
Dimensions (approx.)	20 x 4 x 4 cm
Included Accessories	80 pieces (various types)



Image: This image illustrates the physical dimensions of the rotary tool, indicating a length of 20cm and a width/height of 4cm, with an approximate weight of 750g.

Warranty and Support

Enventor products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact information provided on the product packaging or visit the official Enventor website. Please retain your proof of purchase for warranty claims.

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.

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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