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› Enventor 8V Pen-Type Mini Rotary Tool User Manual (Model Q0M-DC-8M-SG)

Enventor Q0M-DC-8M-SG

Enventor 8V Pen-Type Mini Rotary Tool User Manual

Model: Q0M-DC-8M-SG

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential information for the safe and effective operation of your Enventor 8V Pen-Type Mini Rotary Tool. Please read all instructions carefully before use and retain this manual for future reference.

General Safety Warnings

- Always wear appropriate personal protective equipment, including eye protection, gloves, and a dust mask, when operating the tool.
- Ensure the workpiece is securely clamped before beginning any operation.
- Keep hands and loose clothing away from rotating parts.
- Do not operate the tool in damp or wet conditions.
- Avoid applying excessive pressure, as this can damage the tool or the workpiece.
- Disconnect the tool from the power source before changing accessories or performing maintenance.
- Store the tool and accessories in a dry, secure place out of reach of children.

2. PRODUCT OVERVIEW

The Enventor 8V Pen-Type Mini Rotary Tool is a versatile cordless device designed for various DIY tasks such as carving, grinding, cutting, polishing, and drilling. It features a compact, pen-sized design with a comfortable grip and a 5-speed adjustment range.

Components



Figure 2.1: Main components of the rotary tool including chuck, collet, lock button, switch, ventilation, speed adjustment buttons, indicator lights, and Type-C charging port.

- **Chuck (2.3mm-3.2mm):** Holds various accessories securely.
- **Collet:** Inserts into the chuck to hold accessory shanks.
- **Lock Button:** Engages to secure the chuck for accessory changes.
- **Switch:** Powers the tool on/off.
- **Ventilation Ports:** Ensures proper cooling during operation.
- **Speed Adjustment Buttons (+/-):** Adjusts the rotational speed.
- **Indicator Lights:** Displays current speed setting and battery status.
- **Non-slip Handle:** Provides a secure and comfortable grip.
- **USB Type-C Charging Port:** For convenient recharging.

Key Features

- **Cordless Operation & Type-C Charging:** Lithium battery powered, eliminating cord interference and allowing charging via USB Type-C.
- **5-Speed Variable Control:** Adjustable speeds from 5,000 to 30,000 RPM to suit different tasks and materials.
- **Overload Protection:** Automatically cuts power when overloaded, ensuring safe operation.

- **Ergonomic Pen-Size Design:** Soft-grip handle for comfortable and precise control.
- **Wide Range of Applications:** Suitable for metal, wood, plastic, clay, gemstones, aluminum, and other modeling materials.
- **Comprehensive Accessory Set:** Includes 125 accessories for various tasks.

3. SETUP

Charging the Tool

Before first use, fully charge the rotary tool. Connect the provided USB Type-C cable to the tool's charging port and a compatible USB power adapter (not included). The indicator lights will show charging status.



Figure 3.1: The rotary tool being charged via its USB Type-C port, with battery indicator lights visible.

Attaching Accessories

To attach or change accessories, follow these steps:

1. Press and hold the lock button to secure the chuck.
2. Rotate the chuck counter-clockwise to loosen it.
3. Insert the desired accessory's shank into the collet. Ensure it is fully seated.
4. Rotate the chuck clockwise to tighten it securely. Release the lock button.

アクセサリーを素早く簡単に交換可能



シャフトロックプラグボタンを押してください



コレットレンチでコレットナットを外す



交換用アクセサリー & コレットレンチで固定

切断ホイールと
サンドペーパーの取り付け
方法と使用方法

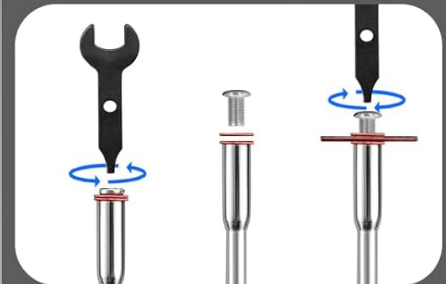


Figure 3.2: Visual guide for attaching accessories: pressing the lock button, loosening the collet nut with a wrench, inserting the accessory, and tightening the collet nut.

For a visual demonstration of accessory attachment and speed adjustment, please watch the following video:

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Video 3.1: Demonstration of attaching accessories and adjusting speed on a mini rotary tool. This video shows the process of securing the chuck, inserting different bits, and cycling through speed settings.

4. OPERATING INSTRUCTIONS

Power On/Off and Speed Adjustment

1. To power on the tool, press the power switch. The tool will start at the lowest speed setting (5,000 RPM).
2. Press the '+' button to increase the speed. Each press will cycle through the 5 available speed settings (5,000 RPM, 14,000 RPM, 17,000 RPM, etc., up to 30,000 RPM).
3. Press the '-' button to decrease the speed.

4. To power off the tool, press and hold the power switch until the tool stops.

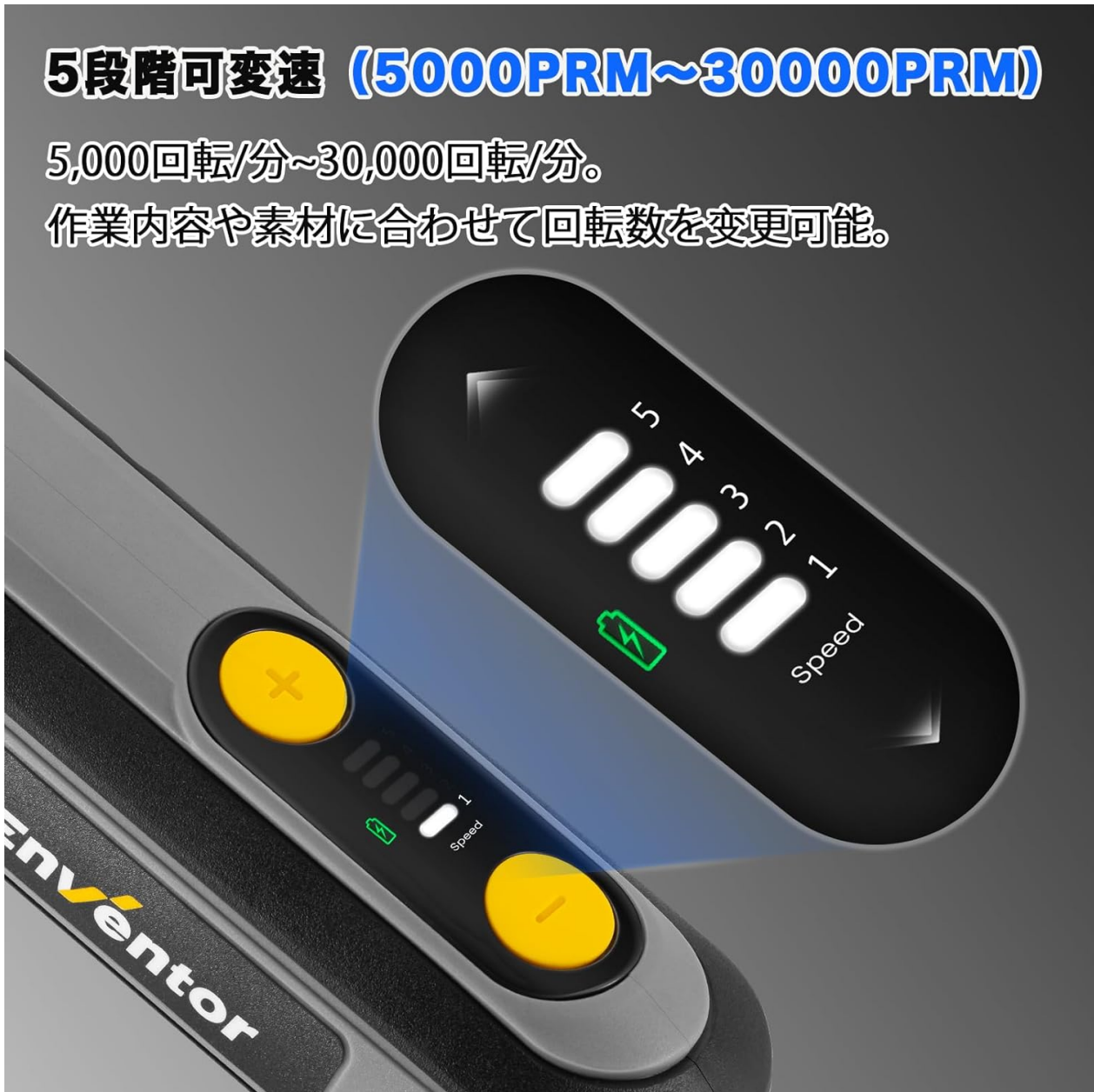


Figure 4.1: The speed indicator lights and adjustment buttons on the rotary tool, illustrating the 5-speed settings.

Usage Examples

The Enventor 8V Pen-Type Mini Rotary Tool can be used for a variety of applications. Always select the appropriate accessory and speed for the material and task.

- **Engraving:** Use diamond bits for detailed work on glass, metal, or plastic.
- **Grinding/Sanding:** Utilize sanding drums or grinding stones for shaping, smoothing, or removing material from wood, metal, or plastic.
- **Cutting:** Attach cutting wheels for precise cuts on thin materials like plastic or soft metals.
- **Polishing:** Use felt buffs with polishing compound to achieve a smooth, shiny finish on various surfaces.
- **Drilling:** Employ drill bits for creating small holes in wood or plastic.

幅広い用途に使えるミニルーター

彫金や精密な研磨、ガラス細工など



Figure 4.2: Examples of the rotary tool performing tasks such as polishing, grinding, engraving, drilling, cutting, and rust removal.

For a visual guide on various applications, please refer to the video below:

Your browser does not support the video tag.

Video 4.1: Demonstration of various applications of a rotary tool, including polishing, engraving, sanding, cutting, and grinding on different materials.

5. MAINTENANCE

Cleaning

- After each use, disconnect the tool from any charging cable.
- Remove any attached accessories.
- Use a soft, dry cloth to wipe down the tool's body.
- Use a small brush or compressed air to clear dust and debris from the ventilation ports and chuck area.

- Do not use harsh chemicals or abrasive cleaners.

Storage

- Store the tool and its accessories in the provided storage box.
- Ensure the tool is fully charged before long-term storage to maintain battery health.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not turn on	Low battery; Power switch not pressed correctly	Charge the tool fully; Ensure the power switch is pressed firmly.
Accessory wobbles or is loose	Accessory not properly inserted or chuck not tightened; Incorrect collet size	Ensure accessory is fully seated and chuck is tightened securely; Use the correct collet for the accessory shank size.
Tool stops during operation	Overload protection activated; Low battery	Reduce pressure on the tool; Charge the tool.
Reduced performance	Low battery; Worn-out accessory; Debris in motor/chuck	Charge the tool; Replace the accessory; Clean the tool and chuck area.

7. SPECIFICATIONS

Feature	Detail
Brand	Enventor
Model Number	Q0M-DC-8M-SG
Voltage	8 Volts
Power Source	Battery Powered
Special Features	Cordless, Pen-type, Variable Speed
Minimum Speed	5000 RPM
Maximum Speed	30000 RPM
Battery Capacity	2000mAh Lithium-ion
Charging Type	USB Type-C
Included Components	Mini Rotary Tool, Storage Box, 125 Accessories, Instruction Manual
Country of Origin	China

8. WARRANTY AND SUPPORT

This Enventor product comes with a **1-year warranty** from the date of purchase. If you encounter any issues during use, please do not hesitate to contact our customer support team for assistance.

For further support or inquiries, please visit the [Enventor Store on Amazon](#).