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> JENABOM Mini Cordless Rotary Tool Instruction Manual

JENABOM TY-CM01

JENABOM Mini Cordless Rotary Tool

Model: TY-CM01
User Instruction Manual

1. INTRODUCTION

Thank you for choosing the JENABOM Mini Cordless Rotary Tool. This versatile and compact tool is designed for precision tasks such as sanding, polishing, drilling, etching, engraving, and various DIY crafts. Its cordless design and variable speed settings offer convenience and control for a wide range of applications. Please read this manual thoroughly before operating the tool to ensure safe and efficient use.



Figure 1.1: JENABOM Mini Cordless Rotary Tool and included accessories.

2. SAFETY INFORMATION

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

General Safety Rules:

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines.
- **Wear eye protection:** Always wear safety goggles or safety glasses with side shields.
- **Secure workpiece:** Always clamp or otherwise secure the workpiece. Do not hold it by hand.
- **Keep work area clean:** Cluttered areas and benches invite injuries.
- **Avoid dangerous environment:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Keep children away:** All visitors should be kept at a safe distance from work area.
- **Dress properly:** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- **Use right tool:** Do not force tool or attachment to do a job for which it was not designed.

- **Maintain tools with care:** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Disconnect tools:** When not in use, before servicing, or when changing accessories, disconnect the tool from its power source.
- **Avoid unintentional starting:** Ensure the switch is in the OFF position before connecting to power source.
- **Stay alert:** Watch what you are doing, use common sense. Do not operate tool when you are tired.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and undamaged:

- 1 x JENABOM Mini Cordless Rotary Tool
- 1 x USB Charging Cable
- 5 x Grinding Heads
- 4 x 12.7mm Sanding Rings
- 4 x 6.3mm Sanding Rings
- 1 x 12.7mm Rubber Wheel
- 1 x 6.3mm Rubber Wheel
- 1 x Plastic Storage Box



Figure 3.1: All components included in the 15-piece set.

4. PRODUCT OVERVIEW

Familiarize yourself with the different parts of your JENABOM Mini Cordless Rotary Tool:



Figure 4.1: Labeled diagram of the rotary tool's main components.

- **Chuck:** Holds the various accessories securely.
- **Main Shaft Lock Switch:** Used to lock the shaft for easy accessory changes.
- **Cooling Port:** Helps dissipate heat during operation.
- **Tap Position Indicator Light:** Indicates the current speed setting.
- **Power Switch / 3-Gear Adjustment:** Turns the tool on/off and cycles through speed settings.
- **USB Charging Port:** For connecting the USB charging cable.

The tool operates on a 3.6V lithium battery and has a clamping range of 1-3mm. Its net weight is approximately 100g.

5. SETUP AND ACCESSORY INSTALLATION

Follow these steps to properly install accessories into your rotary tool:

1. **Press down the main shaft lock switch** and unscrew the chuck counter-clockwise until it is loose enough to insert an accessory.

2. **Insert the desired accessory** (e.g., grinding head, sanding band) into the chuck. Ensure the accessory shaft is fully seated.
3. While still holding the main shaft lock switch, **tighten the chuck clockwise** until the accessory is firmly secured. Release the lock switch.



Figure 5.1: Step-by-step guide for accessory installation.

The tool features a copper spindle and copper sandwich design for secure accessory holding, ensuring stability and preventing slippage during operation. The collet size is 1-3mm.



Figure 5.2: Detail of the copper spindle and collet for secure accessory attachment.

6. OPERATING INSTRUCTIONS

Power On/Off and Speed Adjustment:

To turn on the tool, press the Power Switch. The tool has three variable speed settings:

- **First Gear:** 5000 RPM
- **Second Gear:** 10000 RPM
- **Third Gear:** 15000 RPM

Press the Power Switch repeatedly to cycle through the speed settings. The tap position indicator lights will illuminate to show the current speed. To turn off the tool, continue pressing the Power Switch until all lights are off.



Figure 6.1: Three-gear power adjustment indicated by lights.

Applications:

This rotary tool is suitable for a variety of tasks. Always select the appropriate accessory and speed for your specific application.

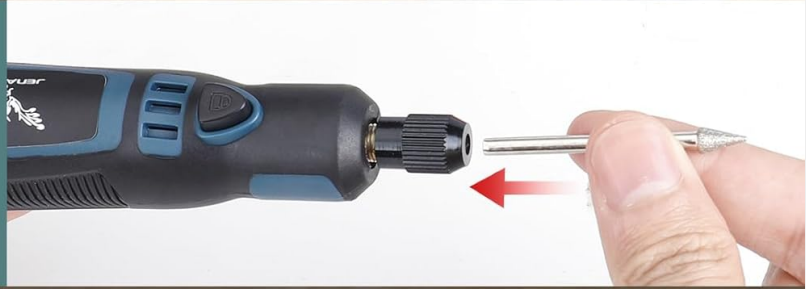
- **Polishing:** Use polishing accessories for smoothing surfaces.
- **Removing Rust:** Attach a wire brush or abrasive accessory to remove rust from metal.
- **Grinding:** Utilize grinding stones for shaping and sharpening.
- **Carving:** Use carving bits for detailed work on wood, plastic, or soft metals.
- **Drilling:** Employ small drill bits for precision drilling.
- **Cutting:** Use cutting discs for light cutting tasks.

Easy to use

1: Press down the main shaft lock switch and unscrew the chuck.



2: Install accessories that you need.



3: Press the main shaft lock switch again, tighten the chuck



Figure 6.2: Various applications of the JENABOM Mini Cordless Rotary Tool.

For optimal performance and safety, ensure the tool is held firmly without jumping or shaking during operation. The design promotes high concentricity for precise work.



Figure 6.3: Maintaining stability for precise work.

7. CHARGING THE BATTERY

The JENABOM Mini Cordless Rotary Tool is equipped with a 3.6V 700mAh rechargeable battery. To charge the tool:

1. Connect the small end of the provided USB charging cable to the USB Charging Port on the tool.
2. Connect the larger end of the USB cable to a standard USB power adapter (not included), computer USB port, or power bank.
3. The indicator lights on the tool will show charging status.
4. A full charge typically takes 2 to 3 hours and provides approximately 60 minutes of continuous operation.

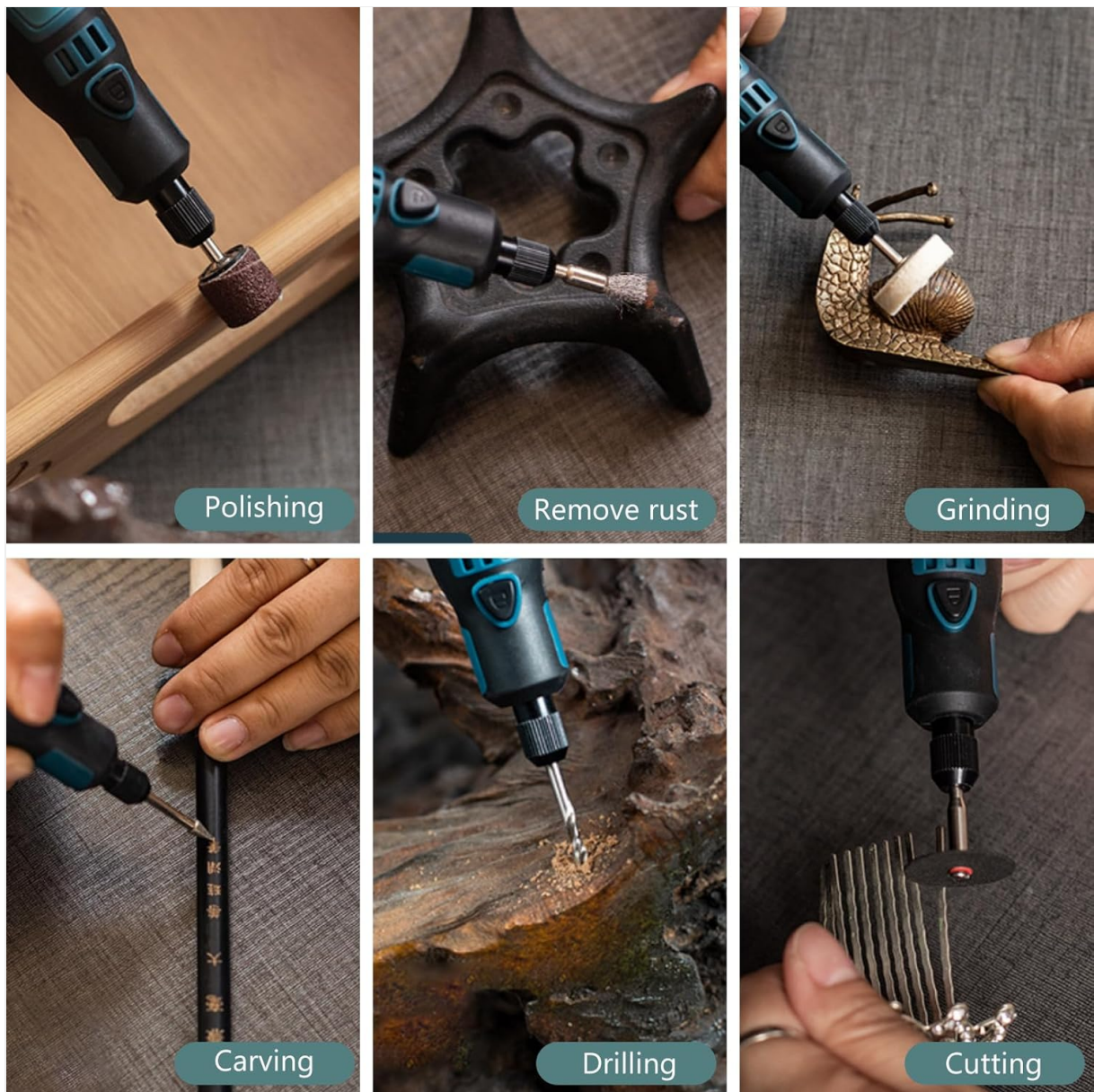


Figure 7.1: Charging the rotary tool via USB.

8. MAINTENANCE

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

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth. Use a soft brush to remove dust and debris from the cooling ports and chuck area. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the tool and its accessories in the provided plastic box in a dry, cool place, away from direct sunlight and moisture.
- **Battery Care:** For best battery life, avoid completely draining the battery frequently. Charge the tool regularly, even if not in use for extended periods (e.g., every 3-6 months).
- **Accessory Inspection:** Regularly inspect accessories for wear or damage. Replace worn or damaged accessories immediately to ensure safe and effective operation.

9. TROUBLESHOOTING

If you encounter issues with your rotary tool, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is depleted.	Charge the tool fully.
	Power switch not fully engaged.	Press the power switch firmly.
Accessory wobbles or falls out.	Chuck not tightened sufficiently.	Ensure the main shaft lock is engaged and tighten the chuck firmly.
	Incorrect accessory size for chuck.	Use accessories with a shaft diameter between 1-3mm.
Tool loses power quickly.	Battery not fully charged or aging.	Ensure full charge. If battery life significantly degrades, consider replacement if available or contact support.
Tool overheats.	Prolonged heavy use or blocked cooling vents.	Allow tool to cool down. Ensure cooling ports are clear of debris. Avoid excessive pressure during operation.

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

10. SPECIFICATIONS

Feature	Specification
Brand	JENABOM
Model Number	TY-CM01
Voltage	3.6 Volts
Power Source	Battery Powered (USB Rechargeable)
Battery Capacity	700mAh
Charging Time	2-3 hours
Continuous Operation Time	Approx. 60 minutes
Speed Settings	3 (5000 RPM, 10000 RPM, 15000 RPM)
Chuck Clamping Range	1-3mm
Item Weight	9.6 ounces (approx. 272g)
Dimensions (Package)	8.5 x 4.5 x 2.4 inches
Special Features	Compact, Lightweight, Variable Speed, Spindle Lock
Recommended Uses	Engraving, Cutting, Grinding, Polishing, Sanding, Carving

11. WARRANTY AND SUPPORT

JENABOM is committed to providing high-quality products. For information regarding warranty coverage, technical support, or replacement parts, please refer to the warranty card included with your product or visit the official JENABOM website. You may also contact the seller directly through your purchase platform for assistance.

Please retain your proof of purchase for any warranty claims.