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> [VEVOR KD-C3022 4lbs Rock Polishing Kit User Manual](#)

VEVOR KD-C3022

VEVOR KD-C3022 4lbs Rock Polishing Kit

User Manual

1. INTRODUCTION

Thank you for choosing the VEVOR KD-C3022 4lbs Rock Polishing Kit. This kit is designed to transform rough stones into beautifully polished gems, offering a quiet and efficient tumbling experience. Featuring a direct-drive motor, 9-speed settings, and a 9-day timer, this polisher is suitable for both beginners and experienced enthusiasts. Please read this manual thoroughly before operation to ensure safe and optimal use of your rock polishing kit.

Witness The Shiny Transformation In A Week

4lbs Load Capacity Barrel



Note: Raw Stones are NOT Included.

Figure 1.1: Example of a rough stone before and after polishing with the VEVOR rock tumbler.

2. SAFETY INSTRUCTIONS

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

- **Read All Instructions:** Familiarize yourself with the operation and safety guidelines before use.
- **Electrical Safety:** Ensure the power supply matches the voltage requirements of the polisher. Do not operate with a damaged cord or plug. Keep the power cord away from heat, oil, and sharp edges.
- **Stable Surface:** Always place the rock polisher on a stable, level, and dry surface to prevent tipping or movement during operation.
- **Keep Clear:** Keep hands, hair, loose clothing, and jewelry away from moving parts during operation.
- **Supervision:** This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.
- **Indoor Use Only:** This product is designed for indoor use. Do not expose to rain or moisture.
- **Unplug When Not In Use:** Disconnect the power cord from the outlet before cleaning, performing maintenance, or when the unit is not in use.

- **Proper Ventilation:** Ensure adequate ventilation around the unit during operation.
- **Avoid Overloading:** Do not exceed the maximum load capacity of the barrel (4 lbs / 1.8 kg).
- **Leak Prevention:** Ensure the barrel lid is securely fastened to prevent leaks during operation.



Figure 2.1: Safety features including anti-electric shock, overload protection, power failure memory, and a robust cold-rolled steel body for stable operation. The barrel also features a leakproof design.

3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present and in good condition.

- Rock Polishing Machine Base Unit
- Polishing Barrel (4 lbs / 1.8 kg capacity)
- Power Adapter
- User Manual (this document)

Note: Polishing grit and rough stones are typically sold separately and are not included in this kit.

4. PRODUCT FEATURES

- **Direct Drive Motor:** Belt-free design for enhanced durability, quiet operation (35 dB), and maintenance-free performance.
- **9-Speed Control:** Adjustable speed settings (1-9) for precise polishing tailored to different rock types and stages.
- **9-Day Timer:** Programmable timer (1-9 days) for automated polishing cycles.
- **Cold-Rolled Steel Body:** Durable and stable base construction for long-term use without deformation.
- **Power Failure Memory:** Automatically resumes operation from where it left off after a power interruption.
- **Leakproof Barrel:** High-sealing chamber prevents water leakage, keeping your workspace clean.
- **Easy-Twist Lid:** Improved curved lid design for secure and easy opening/closing.
- **Anti-Slip Pads:** Ensures stability during powerful operation.

Upgraded Direct Drive Motor

Belt-free, long-lasting, maintenance-free

VEVOR



- ✓ No Belt Wear, More Durable
- ✓ 35dB Quiet Operation
- ✓ No Movement During Use
- ✓ High-Efficiency Polishing

OTHERS



- ✗ Belt Wear and Slippage
- ✗ 65dB Noise Level
- ✗ Unstable Transmission
- ✗ Low Polishing Efficiency



Figure 4.1: The upgraded direct drive motor offers quiet, efficient, and maintenance-free operation compared to traditional belt-driven systems.

5. SETUP

1. **Unpack:** Remove all components from the packaging.
2. **Placement:** Place the rock polishing machine base unit on a firm, level, and dry surface. Ensure there is enough space around the unit for ventilation and operation.

3. **Power Connection:** Connect the power adapter to the machine and then plug it into a suitable electrical outlet.
4. **Barrel Preparation:** Ensure the polishing barrel is clean and dry before its first use.

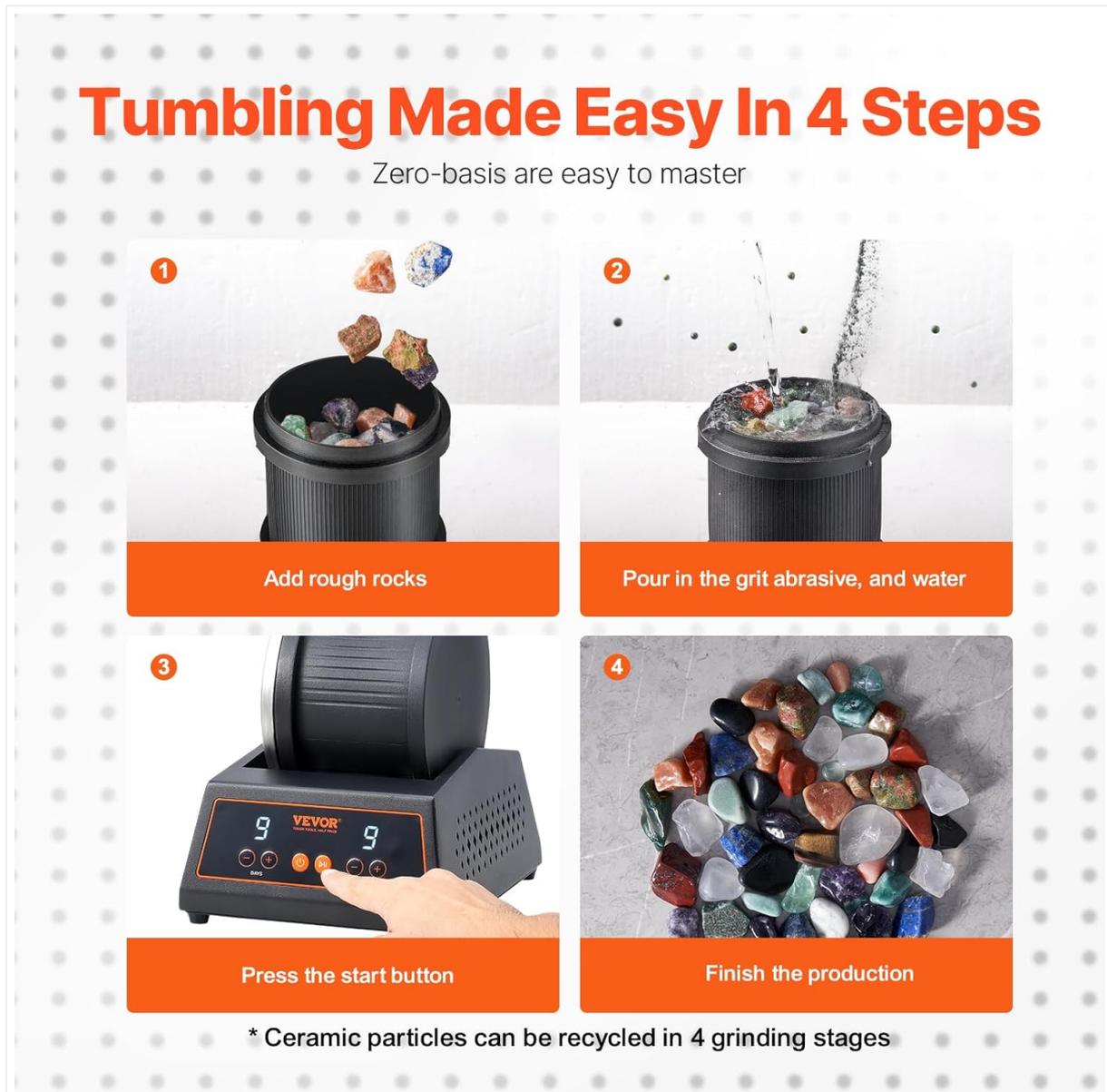


Figure 5.1: Basic setup and operation steps for the rock polishing kit.

6. OPERATING INSTRUCTIONS

The rock tumbling process typically involves multiple stages, each using a progressively finer grit. Always clean the barrel and rocks thoroughly between stages to prevent contamination.

6.1. Loading the Barrel

1. **Add Rocks:** Fill the polishing barrel with rough rocks. The barrel should be filled approximately 2/3 to 3/4 full. If you have fewer rocks, use ceramic media or plastic pellets to make up the volume. This ensures proper tumbling action.
2. **Add Grit:** Add the appropriate amount of coarse grit (e.g., 60/90 silicon carbide) for the first stage. Follow the grit manufacturer's recommendations for quantity.
3. **Add Water:** Pour water into the barrel until it just covers the rocks and grit. Do not overfill.
4. **Seal Barrel:** Securely fasten the barrel lid. Ensure it is tight to prevent any leakage during operation.
5. **Place Barrel:** Place the loaded barrel onto the rollers of the polishing machine.

6.2. Setting Timer and Speed



Figure 6.1: Control panel with timer and speed settings.

- **Power On:** Press the **On/Off** button to power on the unit.
- **Set Timer (Days):** Use the **+/- Days** buttons to set the desired tumbling duration, from 1 to 9 days. For the first stage (coarse grit), a typical duration is 5-7 days.
- **Set Speed:** Use the **+/- Speed** buttons to select a speed setting from 1 to 9. A medium speed (e.g., 5-7) is often suitable for the initial coarse grit stage. Experiment to find the optimal speed for your rocks.
- **Start Tumbling:** Press the **Start/Pause** button to begin the tumbling process. The barrel will start rotating.
- **Pause/Stop:** To temporarily pause the operation, press the **Start/Pause** button again. To stop the operation completely, press the **On/Off** button.

6.3. Tumbling Stages (General Guide)

The following is a general guide. Specific grit types and durations may vary based on rock hardness and desired finish.

Stage	Grit Type	Duration	Purpose
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Stage	Grit Type	Duration	Purpose
1 (Coarse)	Coarse Silicon Carbide (60/90)	5-7 days	Shape rocks, remove rough edges and imperfections.
2 (Medium)	Medium Silicon Carbide (120/220)	5-7 days	Smooth surfaces, remove scratches from Stage 1.
3 (Pre-Polish)	Fine Silicon Carbide (500F or 600)	5-7 days	Prepare rocks for final polish, remove fine scratches.
4 (Polish)	Aluminum Oxide Polish	7-10 days	Achieve a high-gloss, professional shine.

Important: After each stage, thoroughly clean the rocks and the barrel to remove all traces of the previous grit. Even a small amount of coarser grit can ruin the next polishing stage.

7. MAINTENANCE

- **Cleaning the Barrel:** After each tumbling stage, thoroughly rinse the barrel and lid with water. Use a brush to remove any grit residue. Do not use harsh chemicals.
- **Cleaning the Machine:** Wipe down the base unit with a damp cloth. Ensure no water enters the motor or electrical components. Do not immerse the base unit in water.
- **Roller Inspection:** Periodically check the rollers for any debris or wear. Clean them as needed to ensure smooth operation.
- **Storage:** When not in use, store the rock polisher in a clean, dry place, away from direct sunlight and extreme temperatures.
- **Ceramic Particles:** Ceramic particles used as filler or polishing media can often be recycled through multiple grinding stages, reducing waste.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not start	No power; Power button not pressed; Overload protection activated.	Check power connection; Press On/Off button; Reduce load in barrel and restart.
Barrel not rotating smoothly	Barrel overloaded; Debris on rollers; Insufficient water/grit.	Reduce rock quantity; Clean rollers; Adjust water/grit levels.
Water leakage from barrel	Lid not sealed properly; Barrel damaged.	Ensure lid is tightly secured; Inspect barrel for cracks or damage.
Rocks not polishing well	Incorrect grit sequence; Insufficient tumbling time; Barrel underfilled/overfilled; Contamination between stages.	Review grit instructions; Extend tumbling time; Adjust rock/filler volume; Thoroughly clean between stages.
Unit stopped due to power outage	Power interruption.	The unit features power failure memory and will resume operation once power is restored.

9. SPECIFICATIONS

Model Number	KD-C3022
Brand	VEVOR
Barrel Capacity	4 lbs (1.8 kg)
Material	ABS, Cold-Rolled Steel
Color	Black, Orange (accents)
Speed Settings	9 speeds
Timer Settings	1-9 days
Noise Level	35 dB
Power Source	Corded Electric
Product Dimensions (L x W x H)	230 x 178 x 210 mm (9.1 x 7 x 8.3 inches)
Item Weight	3.5 kg (7.72 lbs)
UPC	197988645474



Figure 9.1: Product dimensions of the VEVOR rock polishing kit.

10. WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For specific warranty information, please refer to the warranty card included with your purchase or visit the official VEVOR website.

If you encounter any issues or have questions regarding your VEVOR KD-C3022 Rock Polishing Kit, please contact VEVOR customer support. Our team is available to assist you with troubleshooting, parts replacement, and general inquiries.

Contact Information: Please refer to the VEVOR official website or your purchase documentation for the most up-to-date contact details.