**Wisoqu Wisoqu1o09cnpiha7505**

# Electric Mini Drill Grinder User Manual

Brand: Wisoqu | Model: Wisoqu1o09cnpiha7505

## 1. Introduction and Product Overview

This manual provides essential information for the safe and effective use of your Wisoqu Electric Mini Drill Grinder. This versatile tool is designed for precision tasks such as grinding, polishing, cutting, drilling, and engraving on various materials. It features a micro motor for stable performance, an easy clamping mechanism for accessories, and a comfortable grip for extended use.
Key features include:

- **Micro Motor:** Utilizes an all-copper core wire motor for low noise, sufficient power, uniform speed, and high stability.
- **Easy Clamping:** Features a 1.0-3.0mm clamping range with an all-copper collet for high concentricity and stable accessory retention.
- **Separate Power Cord:** USB charging capability allows for flexible power options via computer or portable battery.
- **Comfortable Grip:** Frosted texture body design prevents slippage, ensuring comfort during prolonged use.
- **Power Switch Design:** Integrated power switch for smooth and free operation.

## 2. Product Components

Please verify that all items listed below are included in your package. If any components are missing or damaged, please contact your retailer.

- 1 x Electric Grinder
- 5 x Copper Chucks (1.0mm, 1.8mm, 2.1mm, 2.8mm, 3.0mm)
- 1 x Small Wrench
- 1 x Power Cord (USB)
- 10 x Drill Bits (2pcs each for 1/1.5/2/2.5/3mm)



Image: All components of the Wisoqu Electric Mini Drill Grinder kit, including the grinder pen, USB power cord, various copper chucks, drill bits, and a small wrench.



Image: The Wisoqu Electric Mini Drill Grinder kit, including the grinder, accessories, and power cord, stored within its black protective carrying case.

## 3. Safety Information

Always follow basic safety precautions to reduce the risk of injury or damage when using this tool.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) to shield against flying debris.
- **Unplug Before Changing Accessories:** Disconnect the power cord from the tool before changing drill bits, chucks, or performing any maintenance.
- **Secure Workpiece:** Always secure your workpiece firmly to prevent movement during operation.
- **Proper Ventilation:** Use the tool in a well-ventilated area, especially when working with materials that produce dust or fumes.
- **Keep Clear:** Keep hands, hair, and loose clothing away from rotating parts.
- **Avoid Wet Conditions:** Do not operate the tool in damp or wet locations.
- **Children and Bystanders:** Keep children and bystanders away from the work area.

- **Inspect Tool:** Before each use, inspect the tool and accessories for any damage. Do not use if damaged.

## 4. Setup

Follow these steps to prepare your mini drill grinder for use:

1. **Select the Correct Chuck:** Choose a copper chuck that matches the diameter of the drill bit or accessory you intend to use. The kit includes chucks for 1.0mm, 1.8mm, 2.1mm, 2.8mm, and 3.0mm.
2. **Insert Chuck:** Loosen the existing chuck (if any) or the collet nut on the tool. Insert the selected copper chuck into the spindle.
3. **Insert Accessory:** Insert the desired drill bit, grinding head, or other accessory into the opening of the copper chuck. Ensure it is seated properly.
4. **Tighten Chuck:** Use the small wrench provided to securely tighten the collet nut, firmly gripping the accessory. Do not overtighten.
5. **Connect Power:** Plug the USB power cord into the charging port at the tail of the grinder. Connect the other end to a compatible USB power source (e.g., computer USB port, USB wall adapter, or power bank).




Image: Detailed view of the full copper thick wall collet, highlighting its durable concentricity and clamping range (1.0-3.0mm), and the power switch design at the rear of the tool.




Image: Close-up of the grinder's tail, indicating the power switch to prevent accidental touching and the charging port for convenient power connection.

## 5. Operating Instructions

Once the tool is set up and powered, you can begin your work.

1. **Turn On:** Locate the power switch at the tail of the grinder. Press or slide the switch to the 'ON' position to start the motor. The tool features a variable speed capability, allowing for adaptation to different tasks.
2. **Begin Work:** Gently bring the rotating accessory into contact with your workpiece. Apply light, consistent pressure. Allow the tool to do the work; excessive force can lead to poor results, damage to the tool or workpiece, or injury.
3. **Maintain Control:** Hold the grinder firmly with a comfortable grip. The frosted texture of the body helps prevent slippage.
4. **Applications:** This tool is suitable for various applications including:

- **Grinding:** Shaping and smoothing surfaces.
- **Polishing:** Achieving a smooth, shiny finish.
- **Drilling:** Creating small holes in soft materials.
- **Engraving:** Detailing and marking on surfaces.
- **Cutting:** Light cutting tasks with appropriate accessories.

5. **Turn Off:** When finished, move the power switch to the 'OFF' position. Disconnect the USB power cord when the tool is not in use.




Image: A user demonstrating the precision of the miniature electric grinder while working on a delicate jade carving, showcasing its suitability for detailed tasks.




Image: A visual representation of the wide range of applications for the mini electric grinder, from intricate carvings on wood and jade to polishing various materials like stainless steel and plastic.



Image: Examples of the mini drill grinder in action, demonstrating its utility for drilling into wood and for delicate cleaning tasks, accompanied by a layout of its accessories.

## 6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your tool.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove dust and debris. Do not use harsh chemicals or abrasive cleaners.
- **Accessory Inspection:** Regularly inspect drill bits, chucks, and other accessories for wear or damage. Replace worn or damaged accessories immediately.
- **Storage:** Store the grinder and its accessories in a dry, clean place, away from direct sunlight and extreme temperatures. The provided protective case is ideal for storage.
- **Power Cord Care:** Inspect the USB power cord for any signs of damage. Do not use if the cord is frayed or damaged.

## 7. Troubleshooting

If you encounter issues with your Electric Mini Drill Grinder, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Tool does not turn on. | No power supply; loose connection; faulty power switch. | Ensure USB power cord is securely connected to both the tool and a working power source. Try a different USB port or adapter. Check the power switch for proper engagement. |
| Accessory (bit/chuck) is loose or falls out. | Chuck not tightened sufficiently; incorrect chuck size for accessory. | Ensure the collet nut is tightened securely with the wrench. Verify that the correct size copper chuck is used for the accessory's shank diameter. |
| Tool runs with low power or inconsistent speed. | Insufficient power supply; motor obstruction; worn motor. | Ensure the power source provides adequate current (e.g., a high-quality USB adapter). Check for any debris obstructing the motor or spindle. If the issue persists, the motor may require professional inspection. |
| Excessive vibration or noise. | Bent accessory; unbalanced accessory; loose chuck. | Inspect the accessory for any bends or damage and replace if necessary. Ensure the accessory is properly seated and the chuck is tightly secured. |

## 8. Specifications

Detailed technical specifications for the Wisoqu Electric Mini Drill Grinder:

| Feature | Specification |
|---|---|
| Brand | Wisoqu |
| Model Number | Wisoqu1o09cnpiha7505 |
| Material | Aluminum alloy (body), Copper (chucks) |
| Bit Specification (Included) | 1/1.5/2/2.5/3mm (2pcs for each) |
| Chuck Clamping Range | 1.0-3.0mm |
| Copper Chuck Specifications (Included) | 1.0mm, 1.8mm, 2.1mm, 2.8mm, 3.0mm |
| Power Type | Plug-in power supply (USB charging) |
| Power Supply Voltage | Computer output / 110V / 220V (via compatible adapter) |
| Special Features | Compact, Cordless (when using power bank), Electric, Multi-Use, Variable Speed |
| Item Dimensions (L x W x H) | 5.2 x 0.98 x 0.98 inches (13.2 x 2.5 x 2.5 cm) |
| Item Weight | 6.7 ounces (190g) |

## 9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer from whom you purchased the Wisoqu Electric Mini Drill Grinder. Specific warranty terms may vary by region and retailer.

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