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Ginour DG3100A

Ginour Multifunction Rotary Tool

Model: DG3100A
User Instruction Manual

1. INTRODUCTION

Thank you for choosing the Ginour Multifunction Rotary Tool. This versatile 200W tool is designed for a wide range of applications including drilling, cutting, sharpening, polishing, sanding, grinding, and carving. With its variable speed control and extensive accessory kit, it is an ideal tool for DIY enthusiasts and professionals alike.

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your rotary tool. Please read it thoroughly before first use and keep it for future reference.



Image 1.1: Ginour Multifunction Rotary Tool with included accessories.

2. GENERAL SAFETY INSTRUCTIONS

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

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

3. PRODUCT COMPONENTS AND ACCESSORIES

The Ginour Multifunction Rotary Tool comes with a comprehensive set of accessories to support various tasks. Familiarize yourself with all components before use.



Image 3.1: Detailed view of the rotary tool and its extensive accessory kit.

Included Components:

- 1 x Ginour Rotary Tool (Electric Grinder)
- 1 x Carrying Case
- 1 x User Manual
- 1 x Flexible Shaft
- 1 x Auxiliary Handle
- 1 x Cutting Guide
- 1 x Protective Cover

- 1 x Self-tightening Chuck
- 1 x Collet Nut
- 2 x 3.2mm Collets
- 1 x 2.3mm Collet
- 1 x Collet Wrench (Spanner)
- 1 x Carbon Brush (spare)
- 1 x Sharpening Stone
- 2 x Sanding Shanks (1 coarse, 1 small)
- 12 x Sanding Bands (6 coarse, 6 small)
- 40 x Sanding Paper discs
- 4 x Wool Felt Wheels (2 coarse, 2 small)
- 1 x Felt Tip with Shank
- 2 x Steel Wire Brushes (1 flat, 1 cup)
- 36 x Cut-off Wheels
- 5 x Resin Slices
- 1 x Wheel Mandrel
- 10 x Grinding Stones
- 6 x Diamond Drill Bits
- 1 x 3.2mm Drill Bit
- 1 x 2.3mm Drill Bit

4. SETUP AND ACCESSORY INSTALLATION

Proper installation of accessories is crucial for safe and effective operation.

4.1 Installing/Changing Accessories:

1. **Ensure Power is Off:** Always unplug the tool from the power outlet before changing accessories.
2. **Press Spindle Lock:** Locate the spindle lock button on the tool head. Press and hold it to prevent the spindle from rotating.
3. **Loosen Collet Nut:** Use the provided spanner wrench to loosen the collet nut.
4. **Insert Accessory:** Insert the shank of the desired accessory fully into the collet. Ensure it is seated securely.
5. **Tighten Collet Nut:** While still holding the spindle lock, tighten the collet nut firmly with the spanner wrench. Do not overtighten.

Universal Compatibility

Easier and faster to replace various accessories



Accept Accessories Shank Size: 1/64" 1/32" 1/16" 3/32" 1/8"

Image 4.1: Universal compatibility allows for easy accessory changes.

4.2 Attaching the Flexible Shaft:

For detailed work and improved maneuverability, attach the flexible shaft.

1. Unplug the rotary tool.
2. Remove the collet nut and collet from the rotary tool's spindle.
3. Screw the flexible shaft's coupling onto the rotary tool's spindle until secure.
4. Insert the desired accessory into the flexible shaft's chuck and tighten.

Flexible Schaft

6" Radius



Image 4.2: The flexible shaft provides enhanced precision for intricate tasks.

5. OPERATING INSTRUCTIONS

The Ginour rotary tool features a powerful 200W motor and 6 variable speed settings (8,000-35,000 RPM) to match the optimal speed for different materials and applications.



Image 5.1: Powerful 200W motor with variable speed for diverse applications.

5.1 Powering On/Off and Speed Control:

1. **Connect Power:** Plug the tool into a suitable 240V power outlet.
2. **Select Speed:** Rotate the variable speed dial to your desired setting (1-6). Start with a lower speed for delicate work or unfamiliar materials, and increase as needed.
3. **Turn On:** Press the ON/OFF switch to the 'ON' position.
4. **Turn Off:** Press the ON/OFF switch to the 'OFF' position.

5.2 Application-Specific Usage:

The tool's versatility allows for numerous applications. Always test on a scrap piece of material first.

Multifunctional Use

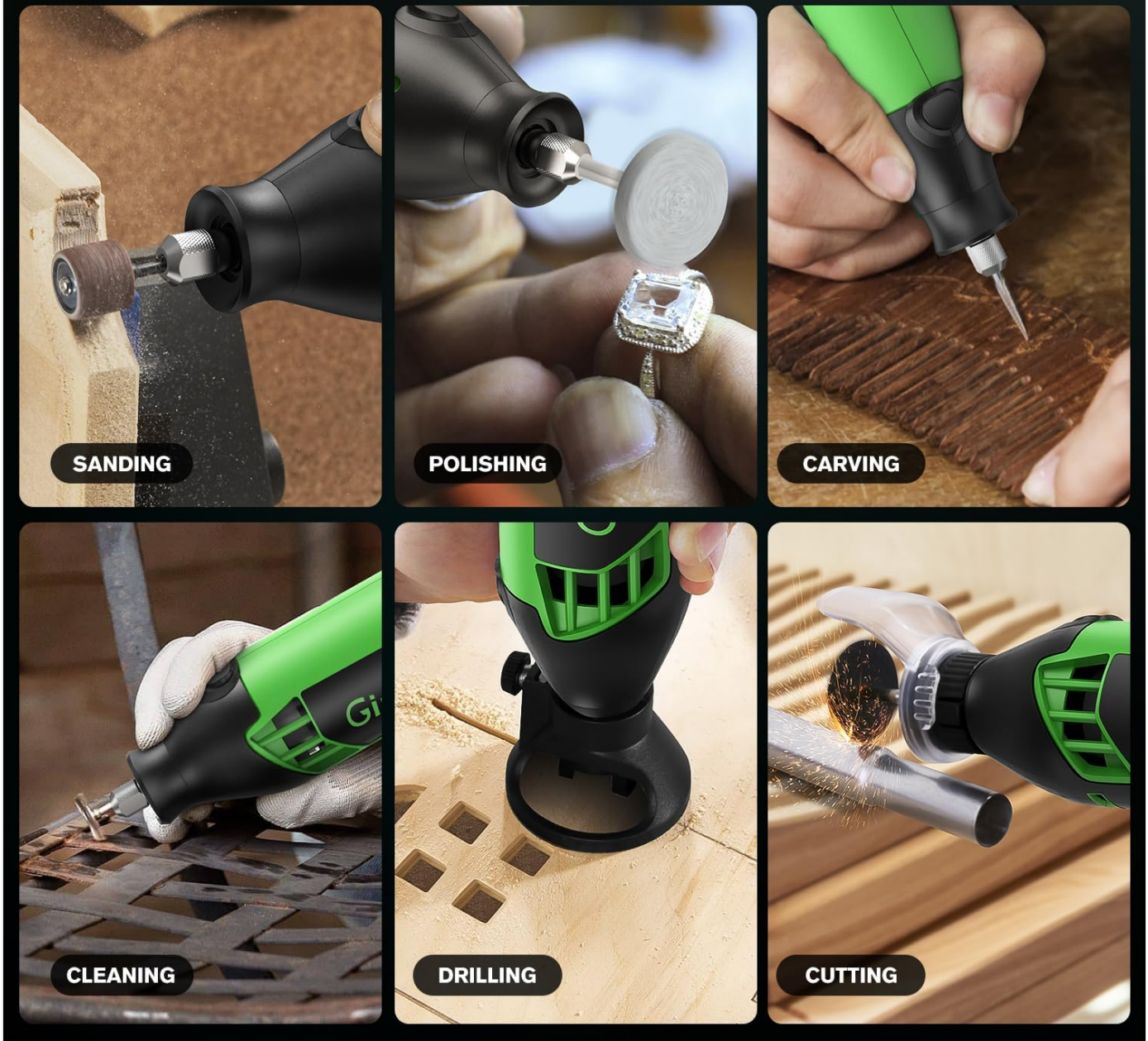


Image 5.2: Examples of multifunctional use: sanding, polishing, carving, cleaning, drilling, and cutting.

- **Sanding:** Use sanding bands or paper discs for smoothing surfaces, removing rust, or shaping wood. Apply light, even pressure.
- **Cutting:** Attach cut-off wheels for slicing through metal, plastic, or thin wood. Use the protective cover and cutting guide for safety and precision.
- **Grinding/Sharpening:** Utilize grinding stones for sharpening tools, deburring metal, or shaping hard materials.
- **Drilling:** Select appropriate drill bits for precise holes in various materials. Use the drilling guide for accuracy.
- **Polishing:** Use felt wheels with polishing compound to bring a shine to metal, plastic, or jewelry.
- **Carving/Engraving:** Diamond drill bits and carving accessories are ideal for intricate designs on wood, glass, or soft metals.
- **Cleaning:** Wire brushes can be used for cleaning rust, corrosion, or stubborn dirt from various surfaces.

6. MAINTENANCE

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

6.1 Cleaning:

- Always unplug the tool before cleaning.
- Use a soft brush or compressed air to clean dust and debris from the ventilation openings.
- Wipe the tool's exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.



Image 6.1: Keep ventilation openings clear for proper cooling.

6.2 Carbon Brush Replacement:

The carbon brushes are wear parts and should be replaced when they become worn down. This tool includes a spare carbon brush.

1. Unplug the tool.
2. Locate the carbon brush caps on the sides of the tool housing.
3. Unscrew the caps using a flathead screwdriver.
4. Carefully remove the old carbon brushes.
5. Insert the new carbon brushes, ensuring they are oriented correctly.
6. Screw the caps back on securely.



Image 6.2: Replacing the carbon brush.

6.3 Storage:

Store the tool and its accessories in the provided carrying case in a dry, secure place, out of reach of children.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your rotary tool.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Faulty switch; Worn carbon brushes.	Check power connection; Ensure switch is ON; Replace carbon brushes.
Tool loses power or runs intermittently.	Loose power connection; Worn carbon brushes; Overheating.	Check power cord; Replace carbon brushes; Allow tool to cool down.
Excessive vibration or noise.	Accessory not properly installed; Damaged accessory; Bent spindle.	Re-install accessory securely; Replace damaged accessory; Contact customer support if spindle is bent.
Accessory slips or wobbles.	Collet not tightened enough; Incorrect collet size; Worn collet.	Tighten collet nut firmly; Use correct collet for accessory shank size; Replace collet if worn.

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

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	DG3100A
Brand	Ginour
Power Source	Corded Electric
Voltage	240 Volts
Motor Power	200 Watts
Variable Speed	6 settings
Maximum Rotational Speed	35,000 RPM
Item Weight	1.6 Kilograms
Package Dimensions	27.5 x 23.3 x 7.5 cm
Color	Green
Special Features	Lock button, Highly resistant, Variable speed

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the contact details provided with your product packaging or visit the official Ginour website. Keep your proof of purchase for warranty claims.