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WORKPRO 7.2V Cordless Rotary Tool Instruction Manual

Model: W123024A

1. INTRODUCTION

Thank you for choosing the WORKPRO 7.2V Cordless Rotary Tool. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your tool. Please read it thoroughly before use and retain it for future reference.

The WORKPRO 7.2V Cordless Rotary Tool is a versatile and compact device designed for various DIY and craft projects. Its lightweight design and variable speed settings make it suitable for tasks such as sanding, engraving, cutting, drilling, grinding, and polishing.



Figure 1: WORKPRO 7.2V Cordless Rotary Tool with included accessories and storage bag.

2. SAFETY INFORMATION

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

- **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 to prevent movement during operation.
- **Maintain a Clean Work Area:** Cluttered areas invite accidents.
- **Avoid Dangerous Environments:** 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 the work area.
- **Dress Properly:** Do not wear loose clothing or jewelry. They can be caught in moving parts. Non-skid footwear is recommended. Wear protective hair covering to contain long hair.
- **Use the Right Tool:** Do not force the tool or attachment to do a job for which it was not designed.
- **Disconnect Power:** Disconnect the tool from its power source before making adjustments, changing

accessories, or storing it.

- **Do Not Overreach:** Keep proper footing and balance at all times.
- **Maintain Tools With Care:** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **Do Not Operate While Charging:** For safety reasons, do not use the tool while it is being charged.

3. PRODUCT OVERVIEW

The WORKPRO 7.2V Cordless Rotary Tool is designed for precision work. Understanding its components is key to effective operation.



Figure 2: Key components of the rotary tool.

Components:

- **ON/OFF Switch:** Activates and deactivates the tool.
- **Speed Control Button:** Adjusts the rotational speed of the tool.

- **Digital Display Screen:** Shows the current speed setting.
- **Collet Nut:** Secures the accessory bits in place.
- **Heat Dissipation Hole:** Ensures proper cooling of the motor during operation.
- **LED Indicator:** Provides illumination for the work area.
- **USB-C Charging Port:** For recharging the internal battery.

Included Accessories:

Your WORKPRO rotary tool comes with 117 diverse accessories, enabling a wide range of applications. These include:

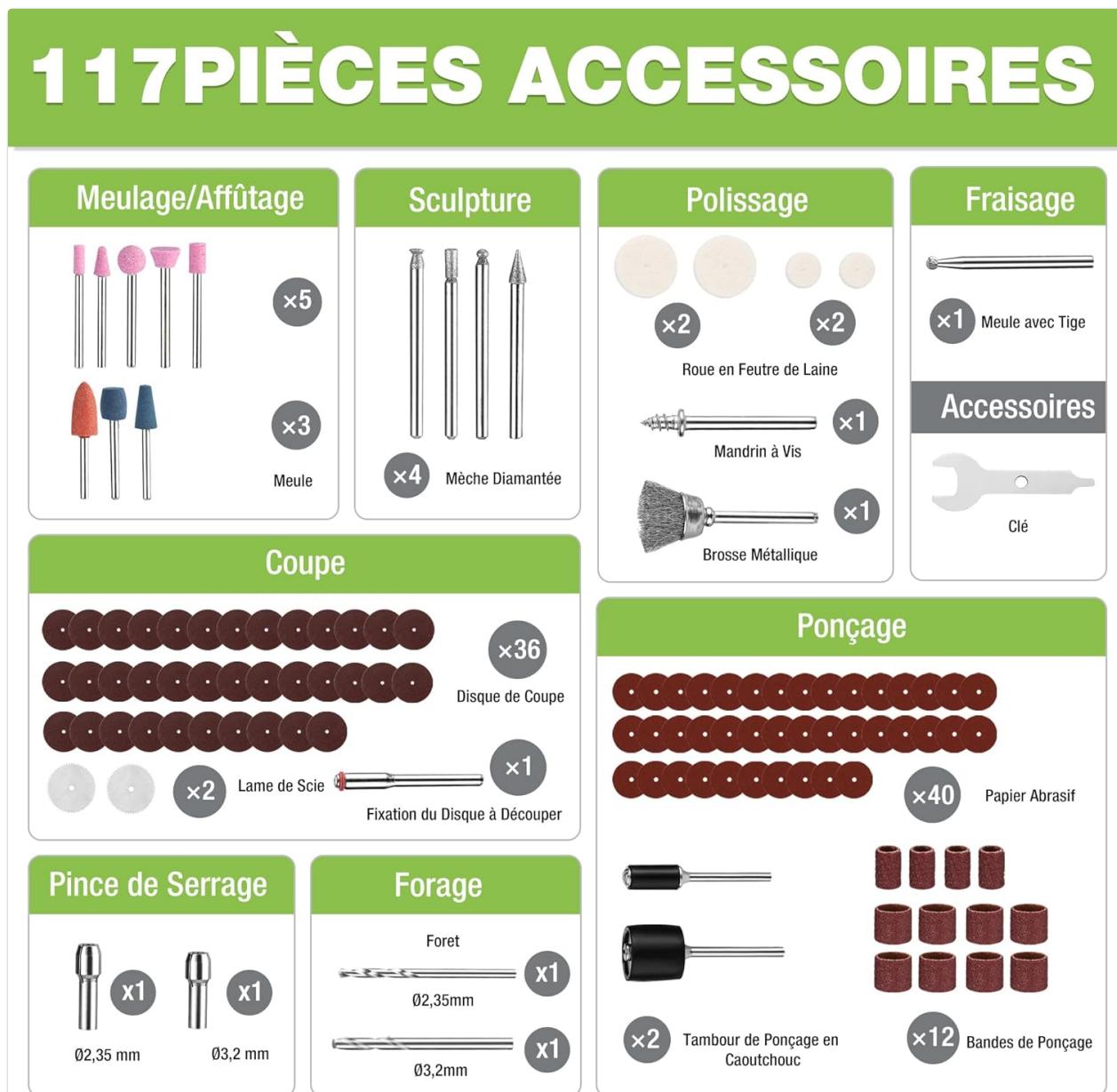


Figure 3: Overview of the 117 included accessories.

- **Grinding/Sharpening:** Grinding stones and wheels for material shaping and sharpening.
- **Carving:** Diamond bits for detailed carving and engraving.
- **Polishing:** Wool felt wheels, felt wheels, screw mandrels, and metal brushes for achieving smooth, shiny finishes.
- **Milling:** Milling bits for precise material removal.
- **Cutting:** Cutting discs and saw blades for various cutting tasks, along with a cutting disc holder.
- **Sanding:** Sandpaper, rubber sanding drums, and sanding bands for surface preparation and finishing.

- **Collets:** 2.35mm and 3.2mm collets to accommodate different shank sizes.
- **Drilling:** 2.35mm and 3.2mm drill bits for small-scale drilling.
- **Wrench:** For securing and loosening collet nuts.

4. SETUP

4.1 Charging the Tool

The tool is equipped with a 7.2V 1100mAh Lithium-ion rechargeable battery. Before first use, fully charge the tool.

1. Connect the provided USB-C charging cable to the tool's USB-C charging port.
2. Connect the other end of the USB cable to a compatible USB power source (e.g., computer, USB wall adapter).
3. The digital display will indicate charging status. A full charge typically takes approximately 2 hours.
4. Once fully charged, disconnect the charging cable.

Note: For optimal battery life, it is recommended to store the tool with the battery charged between 50% and 75%. Recharge the tool at least once every 3 to 6 months if not used regularly.



Figure 4: Charging the rotary tool via USB-C.

4.2 Installing Accessories

The WORKPRO rotary tool features an automatic spindle lock design for easy and secure accessory changes.

1. Ensure the tool is turned OFF.
2. Unscrew the collet nut at the front of the tool.
3. Select the appropriate collet size for your desired accessory (2.35mm or 3.2mm). Insert the collet into the tool if not already present.
4. Insert the shank of the accessory bit into the center of the collet nut. Ensure the bit is fully seated.
5. Hand-tighten the collet nut. For a secure fit, use the included wrench to tighten the collet nut firmly. Do not overtighten.

REEMPLACEMENT DES ACCESSOIRES EN 2 ÉTAPES

Étape 1. Dévisser l'écrou



Étape 2. Insérez la nouvelle pièce/embout au centre de l'écrou

2 TAILLES DE PINCES

3,2 mm 2,35 mm

Figure 5: Two-step accessory replacement process.

COMMENT INSTALLER



Dévisser l'écrou



Choisissez le tige approprié et mettez l'écrou noir



Installez les accessoires dont vous avez besoin et serrez l'écrou



Comment installer une bande abrasive
Étape 1 : Dévissez l'écrou
Étape 2 : Installer la bande abrasive
Étape 3 : Serrez l'écrou à l'aide d'une clé



Comment monter le disque de coupe/papier abrasif
Étape 1 : Dévissez l'écrou
Étape 2 : Installez le disque de coupe/le papier abrasif avec 1 rondelle rouge de chaque côté
Étape 3 : Serrez l'écrou

Figure 6: Detailed installation steps for various accessories.

Note: The automatic spindle lock engages when the tool is off, allowing for accessory changes without needing to press a separate button. A slight clicking sound when the tool stops is normal due to this mechanism.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To turn the tool ON, slide the ON/OFF switch to the 'ON' position. To turn it OFF, slide the switch to the 'OFF' position.

5.2 Adjusting Speed

The tool features 6 variable speed settings, ranging from 5000 RPM to 30000 RPM. Press the Speed Control Button to cycle through the speeds. The current speed setting will be displayed on the digital screen.

- Speed I: 5000 RPM
- Speed II: 10000 RPM
- Speed III: 15000 RPM
- Speed IV: 20000 RPM
- Speed V: 25000 RPM
- Speed VI: 30000 RPM

Choose the appropriate speed for your task and material. Lower speeds are generally suitable for polishing, delicate work, and softer materials, while higher speeds are for cutting, grinding, and harder materials.



Figure 7: Variable speed settings and powerful motor.

5.3 Integrated LED Light

The tool includes an integrated LED light that illuminates the work area, improving visibility in dimly lit spaces and for detailed tasks.



Figure 8: Using the LED light for precision engraving.

5.4 Applications

The WORKPRO rotary tool is highly versatile and can be used for:

- **Cutting:** Use appropriate cutting discs for various materials.
- **Carving/Engraving:** Utilize diamond bits for intricate designs on wood, plastic, or soft metals.
- **Polishing:** Apply felt wheels and polishing compounds to restore shine to surfaces.
- **Sanding:** Use sanding bands and drums for smoothing rough edges or preparing surfaces.
- **Drilling:** Employ small drill bits for precision holes.



Figure 9: Examples of versatile applications.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect the tool from any power source before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Use a small brush or compressed air to clear dust and debris from the heat dissipation holes and around the collet area.

6.2 Battery Care and Storage

- To prolong battery life, avoid completely discharging the battery regularly.
- For long-term storage, ensure the battery is charged to approximately 50-75%. Recharge the tool every 3 to 6 months to prevent deep discharge and maintain battery health.
- Store the tool in a cool, dry place, away from direct sunlight and extreme temperatures.

6.3 Accessory Storage

Keep all accessories organized in the provided storage bag or a suitable container to prevent loss and damage.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is discharged.	Charge the tool fully using the USB-C cable.
Tool stops unexpectedly during use.	Battery is low or tool is overloaded.	Recharge the battery. Reduce pressure on the tool or use a lower speed setting for the task.
Clicking sound when turning off.	Normal operation of the automatic spindle lock.	This is a normal function and does not indicate a fault.
Accessory bit is loose or wobbles.	Collet nut not tightened sufficiently or incorrect collet size.	Ensure the correct collet size is used for the accessory. Tighten the collet nut firmly with the included wrench.
Reduced performance or short runtime.	Battery degradation or improper charging/storage.	Ensure proper charging and storage practices are followed (refer to Section 6.2). If the issue persists, the battery may need replacement.

8. SPECIFICATIONS

Below are the technical specifications for the WORKPRO 7.2V Cordless Rotary Tool (Model W123024A).

Feature	Specification
Brand	WORKPRO
Model Number	W123024A
Voltage	7.2 Volts
Battery Type	Lithium-ion (1 included)
Battery Capacity	1100 mAh

Feature	Specification
Max Rotation Speed	30000 RPM
Variable Speeds	6 (5000-30000 RPM)
Charging Time	Approx. 2 hours
Runtime (Max Speed)	Approx. 45 minutes
Weight	227 Grams
Dimensions (L x W x H)	25.2 x 16.8 x 5.5 cm
Special Feature	Cordless, Integrated LED Light, Automatic Spindle Lock
Included Components	117 Accessories
Manufacturer	Hang Zhou Great Star Industrial Co.,LTD

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. WORKPRO is committed to providing quality products and customer satisfaction.

If you encounter any issues or have questions regarding your WORKPRO 7.2V Cordless Rotary Tool, please contact the seller or WORKPRO customer support through their official website or contact channels. Please have your model number (W123024A) and purchase details ready when seeking support.