

## SBPKMARSCT URGK-01

# SBPKMARSCT 370W Electric Circular Saw Blade Sharpener Instruction Manual - Model URGK-01

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective operation, setup, and maintenance of your SBPKMARSCT 370W Electric Circular Saw Blade Sharpener, Model URGK-01. Please read these instructions carefully before using the machine to ensure proper function and to prevent injury or damage.

## 2. SAFETY INSTRUCTIONS

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**WARNING: Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.**

- **Read all instructions:** Familiarize yourself with the controls and proper use of the machine.
- **Wear appropriate safety gear:** Always wear safety glasses, hearing protection, and gloves when operating the sharpener.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Do not operate in explosive atmospheres:** Do not use the sharpener in the presence of flammable liquids, gases, or dust.
- **Keep children and bystanders away:** Distractions can cause you to lose control.
- **Secure the workpiece:** Ensure the saw blade is securely clamped before sharpening.
- **Avoid accidental starting:** Ensure the switch is in the off position before plugging in the machine.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Disconnect power:** Always unplug the sharpener before making adjustments, changing accessories, or performing maintenance.
- **Use the correct power supply:** Ensure the power supply matches the requirements specified on the machine's label.
- **Water injection system:** Ensure the water tank is filled and the hose is properly connected for cooling during operation.

### 3. PRODUCT OVERVIEW AND COMPONENTS

The SBPKMAR SCT 370W Electric Circular Saw Blade Sharpener is designed for precision sharpening of various circular saw blades. It features a robust motor, a water injection cooling system, and adjustable settings for optimal results.

#### Included Components:

- 1 x Saw Blade Sharpening Machine
- 1 x Water Tank
- 2 x Hoses
- 2 x Allen Wrenches
- 1 x Screwdriver
- Assorted Spacers and Washers



Figure 3.1: All components included with the SBPKMAR SCT circular saw blade sharpener, laid out on a white background. This includes the main sharpening unit, water tank, hoses, wrenches, screwdriver, and various spacers.

## 4. SETUP

Follow these steps to set up your saw blade sharpener before initial use:

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any damage during transit.
2. **Mount the Machine:** Place the main sharpening unit on a stable, level workbench. Ensure it is securely fastened if mounting points are available.
3. **Assemble the Blade Support:** Attach the saw blade support arm to the main unit. Ensure all fasteners are tightened.
4. **Connect Water Tank:** Secure the water tank to its designated position on the machine. Connect the hoses from the water tank to the grinding wheel area to enable the cooling system. Fill the tank with clean water.
5. **Power Connection:** Ensure the power switch is in the OFF position. Connect the power cord to a suitable electrical outlet.

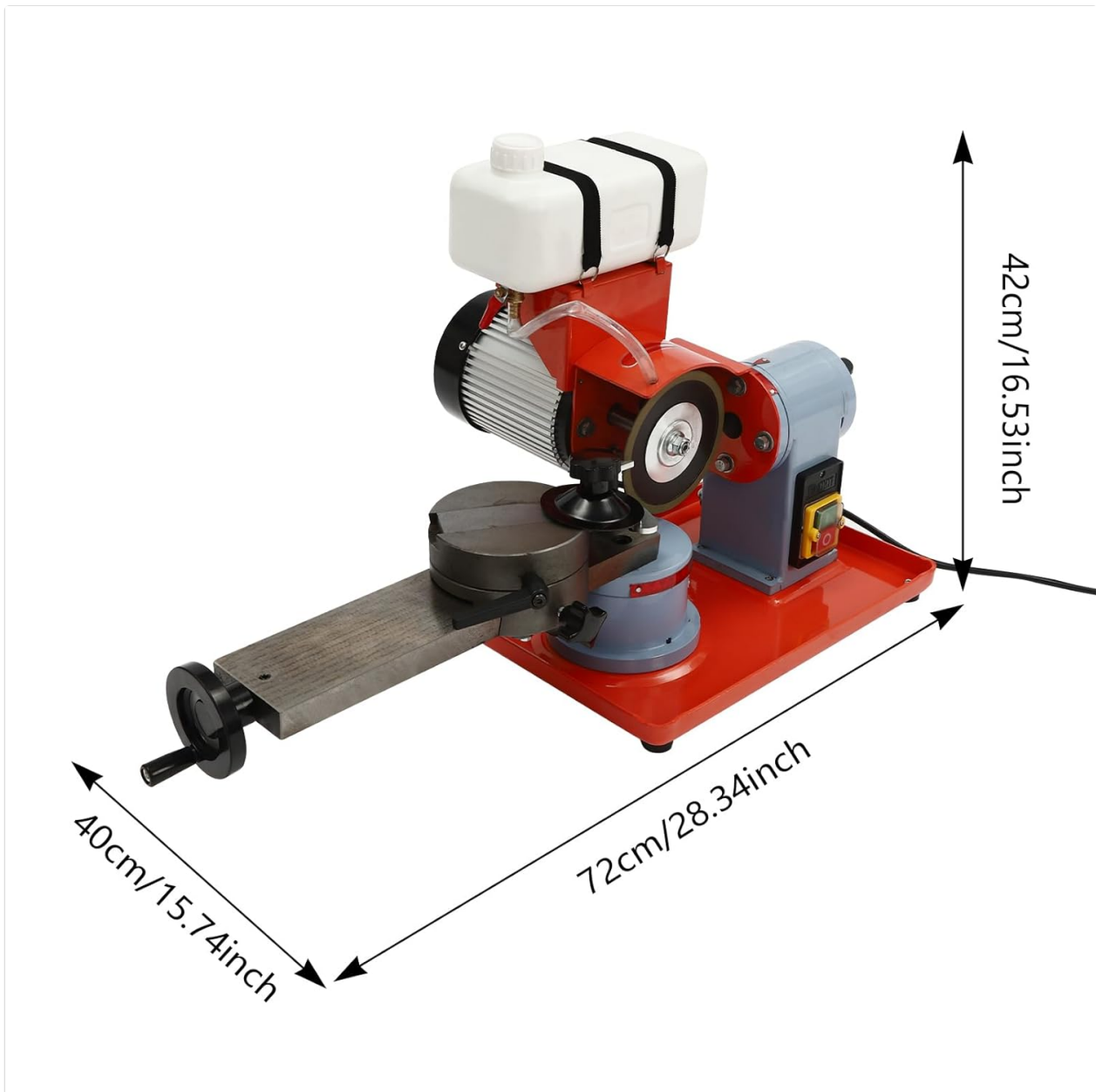


Figure 4.1: The fully assembled SBPKMARSCT circular saw blade sharpener, showing the main unit, blade support, and water tank.

## 5. OPERATING INSTRUCTIONS

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This section details the steps for sharpening circular saw blades using the machine.

### General Operation:

1. **Mount the Saw Blade:** Place the circular saw blade onto the blade support spindle. Use appropriate spacers and washers to ensure the blade is centered and secure.
2. **Adjust Blade Feed Angle:** Use the ring-type saw blade support to adjust the blade feed angle. This can be set from 30° left to 45° right. Refer to the precise scales for accurate adjustment.
3. **Adjust Grinding Wheel Angle:** Adjust the angle of the grinding wheel by  $\pm 20^\circ$  to match the tooth geometry of your saw blade.
4. **Position Blade for Sharpening:** Carefully move the blade support to bring the first tooth into contact with the grinding wheel. Ensure only light contact is made.
5. **Activate Water Cooling:** Ensure the water flow from the tank to the grinding wheel is active.
6. **Start the Machine:** Press the ON button on the waterproof switch. The motor will start, and the grinding wheel will rotate at 2850 rpm.
7. **Sharpening Process:** Gently feed each tooth into the grinding wheel, applying minimal pressure. Sharpen each tooth uniformly. Repeat for all teeth.
8. **Stop the Machine:** Once all teeth are sharpened, press the OFF button on the switch.
9. **Remove Blade:** Disconnect power, then carefully remove the sharpened saw blade.



*Figure 5.1: The saw blade sharpener in operation, demonstrating a circular saw blade mounted and positioned for sharpening.*



Figure 5.2: A close-up view of the waterproof power switch, showing the ON (green) and OFF (red) buttons for safe operation.

## 6. MAINTENANCE

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

- **Cleaning:** After each use, clean the machine to remove grinding dust and debris. Use a damp cloth; avoid harsh chemicals.
- **Water Tank:** Empty and clean the water tank regularly to prevent algae buildup and ensure clean coolant flow.
- **Grinding Wheel Inspection:** Periodically inspect the grinding wheel for wear or damage. Replace if necessary.
- **Lubrication:** Apply light machine oil to moving parts and adjustment mechanisms as needed to ensure smooth operation.
- **Power Cord:** Check the power cord for any signs of damage. Do not use the machine if the cord is frayed or damaged.

## 7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Machine does not start	No power supply; Power switch off; Damaged power cord	Check power connection; Ensure switch is ON; Inspect and replace power cord if damaged.
Poor sharpening results	Incorrect angle settings; Worn grinding wheel; Blade not secured	Adjust blade and wheel angles; Replace grinding wheel; Ensure blade is tightly clamped.
Overheating during operation	Insufficient water cooling; Excessive pressure on blade	Check water tank level and hose connection; Apply lighter pressure during sharpening.
Excessive vibration or noise	Loose components; Unbalanced grinding wheel; Machine not stable	Tighten all fasteners; Replace grinding wheel if unbalanced; Secure machine to workbench.

## 8. SPECIFICATIONS

Feature	Specification
Manufacturer	Cheuraivee
Part Number	URGK-01
Color	Red
Style	Modern
Material	Iron
Power Source Type	Corded Electric
Power	370 W
Max Rotation Speed	2850 rpm
Number of Units in Package	1
Product Dimensions (L x W x H)	72.01 x 40.01 x 0.25 cm (28.35 x 15.75 x 16.53 inches)
Weight	22.08 kg
Blade Feed Angle Adjustment	30° Left to 45° Right
Grinding Wheel Angle Adjustment	±20°

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Figure 8.1: Dimensional overview of the SBPKMARSCT circular saw blade sharpener, indicating its length, width, and height.

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims. For technical assistance or inquiries regarding the SBPKMARSCT 370W Electric Circular Saw Blade Sharpener, Model URGK-01, please visit the manufacturer's official website or contact their customer service department.