

MIFXIN 4000W 220V

MIFXIN Electric Wall Chaser Groove Cutting Machine 4000W 220V User Manual

Model: 4000W 220V

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings and instructions before operating this machine. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Save all warnings and instructions for future reference.

- **Electrical Safety:** This machine operates on AC 220V / 50HZ. Ensure your power supply matches these specifications. Do not use with 110V power.
- **Work Area Safety:** Keep the 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.
- **Personal Safety:** Always wear appropriate personal protective equipment, including safety glasses, hearing protection, dust mask, and heavy-duty gloves. Avoid loose clothing or jewelry.
- **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.
- **Dust Management:** Wall chasing generates significant dust. Always use the provided water pump and vacuum cleaner adapter to manage dust and debris. Ensure proper ventilation.
- **Blade Safety:** Ensure saw blades are correctly installed and secured before operation. Use only blades suitable for the material being cut.

2. PRODUCT OVERVIEW AND COMPONENTS

The MIFXIN Electric Wall Chaser is designed for efficient and precise cutting of grooves in walls for electrical conduits or plumbing pipes. It features a powerful 4000W motor and adjustable cutting depth and width.

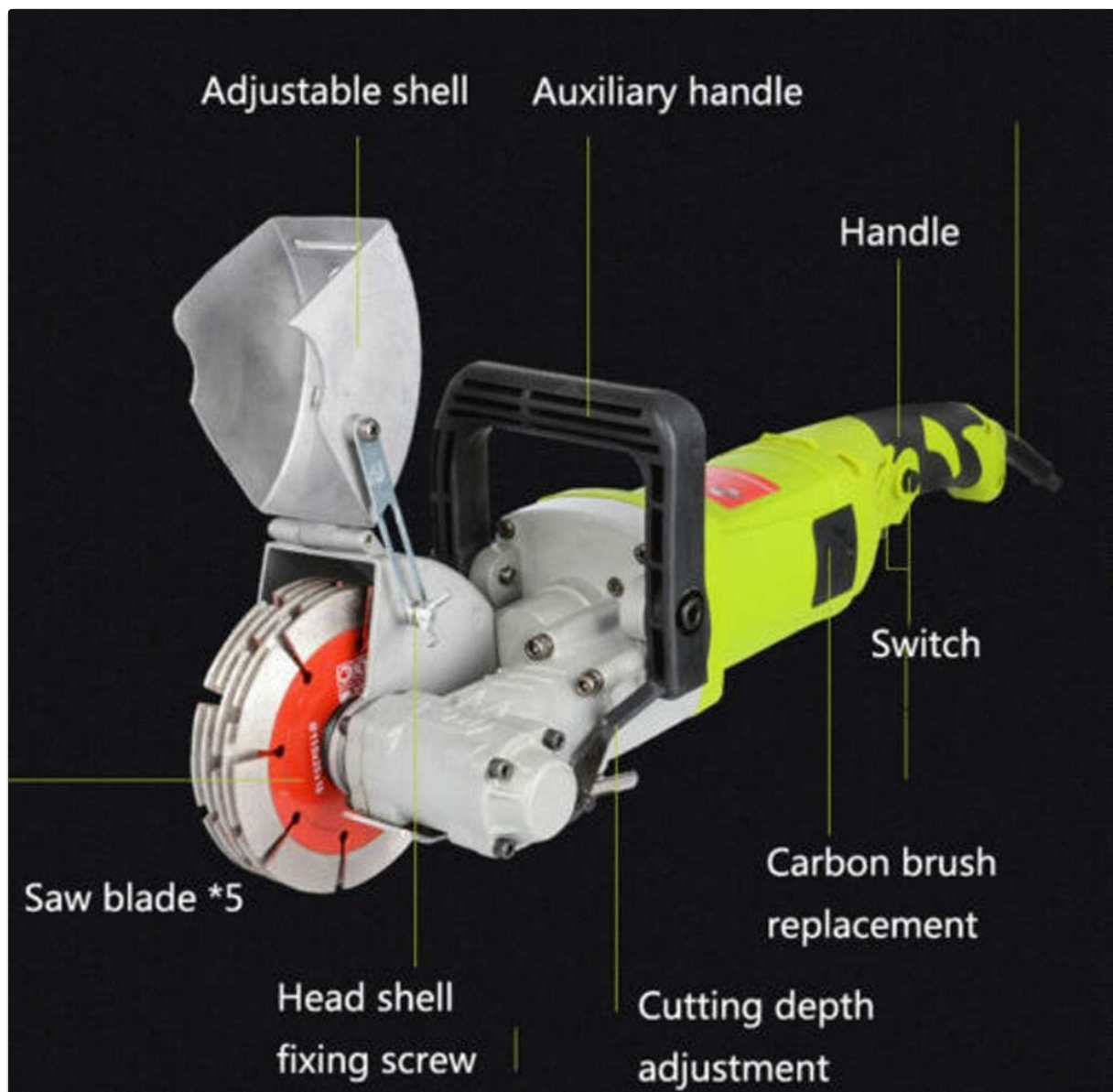


Figure 2.1: Labeled diagram of the wall chaser showing key components such as the adjustable shell, auxiliary handle, main handle, switch, carbon brush replacement access, cutting depth adjustment, head shell fixing screw, and saw blades.

- **Magnesium Alloy Head Shell:** Durable and robust construction for demanding tasks.
- **Adjustable Cutting Depth and Width:** Allows for precise groove dimensions.
- **Slim Handle Design:** Ergonomically designed for comfortable and easy operation.
- **Dust Management System:** Integrated design for cleaner operation when connected to water pump and vacuum adapter.

3. PACKAGE CONTENTS

Verify that all items listed below are present in the package upon unboxing:



Figure 3.1: Overview of the complete package contents, including the machine and all accessories.

- 1 x MIFXIN Electric Wall Chaser Machine
- 1 x Water Pump
- 5 x 115mm Saw Blades
- 1 x 3m Water Pipe
- 1 x Vacuum Cleaner Adapter
- 1 x Carrying Box

4. SETUP

1. Blade Installation:

- Ensure the machine is unplugged from the power source.
- Loosen the head shell fixing screw and open the adjustable shell.
- Carefully mount the desired number of 115mm or 125mm saw blades onto the spindle, ensuring proper spacing for the desired groove width.
- Secure the blades with the provided washers and nut, tightening firmly.
- Close the adjustable shell and tighten the head shell fixing screw.

2. Water Pump and Pipe Connection:

- Connect one end of the 3m water pipe to the water inlet on the machine.
- Connect the other end of the water pipe to the water pump.
- Place the water pump in a bucket of clean water.
- Ensure the water pump is securely positioned and will not tip over during operation.

3. Vacuum Cleaner Adapter Connection (Optional but Recommended):

- Attach the vacuum cleaner adapter to the dust extraction port on the machine.
- Connect a suitable workshop vacuum cleaner to the adapter for enhanced dust control.

4. Adjusting Cutting Depth and Width:

- Use the cutting depth adjustment mechanism to set the desired groove depth (0-37mm).
- Adjust the number of saw blades and spacers to achieve the desired groove width (maximum 33mm).

5. OPERATING INSTRUCTIONS

Always wear appropriate safety gear before operating the machine.



Figure 5.1: The wall chaser being used to cut a groove, demonstrating proper handling.

1. **Power Connection:** Plug the machine into a 220V / 50HZ power outlet. Ensure the water pump is also plugged in and submerged in water.
2. **Starting the Machine:** Hold the machine firmly with both hands using the main and auxiliary handles. Press the power switch to start the motor. Allow the blades to reach full idling speed (7500 r/min) before beginning the cut.
3. **Making a Cut:** Gently guide the machine along the marked line on the wall. Apply steady, even pressure. Do not force the machine; let the blades do the work. The water pump will automatically supply water to the cutting area to reduce dust and cool the blades.

4. **Cutting Technique:** For optimal results, make multiple shallow passes rather than one deep cut, especially in hard materials. This reduces strain on the motor and blades. The 360° slotted design allows for efficient cutting without dead ends.
5. **Stopping the Machine:** Release the power switch to stop the motor. Wait for the blades to come to a complete stop before setting the machine down or performing any adjustments.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your wall chaser.

- **Cleaning:** After each use, unplug the machine and clean off any dust or debris from the housing, ventilation slots, and blade area. Use a damp cloth; do not use solvents.
- **Blade Inspection:** Regularly inspect saw blades for wear, damage, or dullness. Replace worn blades promptly to maintain cutting efficiency and safety.
- **Carbon Brush Replacement:** The machine features accessible carbon brush replacement. Check carbon brushes periodically and replace them when they are worn down to their limit marks. Refer to the labeled diagram for the carbon brush access point.
- **Water Pump Care:** Clean the water pump after each use to prevent clogging from debris. Ensure the water pipe is clear.
- **Storage:** Store the machine and its accessories in the provided carrying box in a dry, secure location, out of reach of children.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not start.	No power supply; faulty switch; worn carbon brushes.	Check power connection (220V). Test the switch. Replace carbon brushes.
Reduced cutting performance.	Dull or damaged saw blades; incorrect cutting depth/width setting.	Replace saw blades. Adjust cutting depth and width settings.
Excessive dust during operation.	Water pump not functioning; water pipe clogged; vacuum adapter not connected.	Check water pump connection and water level. Clear water pipe. Connect vacuum cleaner.
Machine overheats.	Overloading the machine; blocked ventilation slots.	Reduce cutting pressure. Clean ventilation slots. Allow machine to cool.

8. SPECIFICATIONS



Figure 8.1: Product dimensions for reference.

Parameter	Value
Model	4000W 220V
Voltage	AC 220V / 50HZ
Power	4000W (4 KW)
Idling Speed	7500 r/min
Maximum Slot Width	33mm
Cutting Depth	0-37mm
Saw Blade Diameter	115mm / 125mm
Net Weight	4.5kg (approx. 9.9 pounds)
Blade Material	High Speed Steel
Material (Body)	Stainless Steel, Magnesium Alloy (head shell)
Power Source	Corded Electric

9. WARRANTY INFORMATION

This MIFXIN product comes with a limited warranty. For specific terms and conditions, please refer to the warranty card included in your package or contact MIFXIN customer support.

10. CUSTOMER SUPPORT

For technical assistance, spare parts, or any inquiries regarding your MIFXIN Electric Wall Chaser, please contact our customer support team.

- **Brand:** MIFXIN
- **Online Store:** [Visit the MIFXIN Store on Amazon](#)
- Please have your product model (4000W 220V) and ASIN (B07WMVKMCT) ready when contacting support.