

ONEUPING K1331

ONEUPING Electric Wall Grooving Cutting Machine User Manual

Model: K1331 (4800W, 1.6in Groove Depth, 1.7in Groove Width)

1. IMPORTANT SAFETY INSTRUCTIONS

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

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines before use.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, hearing protection, dust mask, and heavy-duty gloves.
- **Ensure proper ventilation:** Work in a well-ventilated area, especially when cutting materials that produce dust.
- **Secure the workpiece:** Always ensure the material being cut is stable and cannot shift during operation.
- **Keep work area clean:** Cluttered areas invite accidents.
- **Avoid unintentional starting:** Ensure the switch is in the off position before plugging in the tool.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Disconnect power:** Always unplug the tool before making adjustments, changing accessories, or storing it.
- **Use the correct tool:** Do not force a small tool or attachment to do the job of a heavy-duty tool.
- **Inspect for damage:** Before each use, check for damaged parts. If damaged, have the tool serviced by a qualified technician.
- **Water pump usage:** When using the water pump for dust suppression, ensure all electrical connections are secure and protected from water.
- **Leakage protector:** The tool is equipped with a leakage protector for enhanced safety. Do not bypass or modify it.

2. PRODUCT OVERVIEW

The ONEUPING Electric Wall Grooving Cutting Machine is designed for efficient grooving and cutting in various masonry materials. It features a powerful 4800W motor and is capable of cutting concrete walls, bricks, cinder blocks, and even steel bars.

Key Features:

- **High Power Motor:** 4800W all-copper motor with a no-load speed of 6500 RPM for effective cutting.
- **Adjustable Cutting:** Max sawing depth of 1.6 inches (41mm) and max sawing width of 1.7 inches (42mm), adjustable by changing blades and base plate.
- **Dust-Free Operation:** Includes a water pump and hose for wet cutting, and an interface for connecting an external vacuum cleaner (not included) for dry cutting.
- **Durable Construction:** Made from aluminum alloy and nylon for strength and wear resistance.
- **User-Friendly Design:** Features an anti-slip handle, rotatable front and rear handles (180° and 90° respectively), and an external carbon brush for easy replacement.
- **Safety Features:** Equipped with a leakage protector, lock switch, and waterproof head.



Figure 2.1: Front view of the ONEUPING Electric Wall Grooving Cutting Machine.



Figure 2.2: The wall grooving machine with its power cord and inline safety switch.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, contact customer support.

- 1x Concrete Slotting Machine
- 1x Water Pump
- 1x Dust-absorbing Hose (3m / 9.8ft)
- 5x Diamond Alloy Blades (Four preinstalled)
- 1x Carrying Case
- 1x English Manual
- All necessary accessories for use (e.g., wrenches, adapters)



Figure 3.1: Contents of the product package, including the machine, blades, water pump, hose, and tools.

4. SETUP

4.1 Blade Installation and Adjustment

The machine comes with four blades preinstalled. You can adjust the cutting width by adding or removing blades (up to a maximum of 7 blades with a 133mm diameter). Always ensure the machine is unplugged before performing any blade adjustments.

1. Unplug the machine from the power source.
2. Use the provided wrench to loosen the blade retaining nut.
3. Carefully remove or add diamond alloy blades as required for your desired cutting width. Ensure spacers are correctly placed between blades.
4. Tighten the blade retaining nut securely.

4.2 Adjusting Cutting Depth

The cutting depth can be adjusted using the base plate mechanism. Refer to the markings on the machine for precise depth settings.

1. Unplug the machine.
2. Locate the depth adjustment lever or knob.
3. Adjust the base plate to achieve the desired cutting depth (maximum 1.6 inches).
4. Secure the adjustment mechanism.

4.3 Water Pump and Dust Hose Connection

For wet cutting and dust suppression, connect the water pump and hose.

1. Connect one end of the dust-absorbing hose to the machine's water inlet port.
2. Connect the other end of the hose to the water pump.
3. Place the water pump in a container of clean water.
4. Ensure all connections are secure to prevent leaks.

Alternatively, for dry cutting, an external vacuum cleaner (not included) can be connected to the dust extraction port to minimize airborne dust.



Figure 4.1: Side view illustrating the blade guard and depth adjustment components.

5. OPERATING INSTRUCTIONS

5.1 Pre-Operation Checklist

- Ensure all safety instructions have been read and understood.
- Verify blades are correctly installed and tightened.
- Confirm desired cutting depth and width are set.

- If wet cutting, ensure water pump is submerged and connected. If dry cutting, ensure vacuum is connected.
- Wear all required PPE.

5.2 Starting the Machine

1. Plug the machine into a 110V power outlet.
2. Position the machine on the workpiece, ensuring the blades are clear of the surface before starting.
3. Press the power switch to turn on the machine. Allow the blades to reach full speed before engaging the workpiece.

5.3 Cutting Operation

- Apply steady, even pressure to guide the machine along the desired cutting line. Do not force the tool.
- Maintain a firm grip on both handles. The front handle can be rotated 180° and the rear handle 90° to accommodate different cutting angles and user comfort.
- For wet cutting, ensure the water pump is active to provide continuous water flow to the blades, which helps cool them and suppress dust.
- The removable dust-proof protective cover allows for 360-degree cutting without dead angles.
- After completing the cut, release the power switch and allow the blades to stop completely before lifting the machine from the workpiece.



Figure 5.1: Top view highlighting the ergonomic handles and control layout.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your tool. Always unplug the machine before performing any maintenance.

6.1 Cleaning

- After each use, clean the machine thoroughly to remove dust and debris. Use a dry cloth or compressed air.
- Ensure the ventilation ports are clear of obstructions to prevent overheating.

- Clean the water pump and hose after wet cutting to prevent mineral buildup and blockages.

6.2 Blade Inspection and Replacement

- Regularly inspect the diamond alloy blades for wear, cracks, or damage.
- Replace worn or damaged blades immediately to maintain cutting performance and safety. Refer to Section 4.1 for blade installation.

6.3 Carbon Brush Replacement

The machine features external carbon brushes for easy replacement. Worn carbon brushes can lead to reduced motor performance or failure.

1. Unplug the machine.
2. Locate the carbon brush caps on the motor housing.
3. Unscrew the caps and remove the old carbon brushes.
4. Insert new carbon brushes, ensuring they are correctly oriented.
5. Securely replace the carbon brush caps.

6.4 Storage

- Store the machine in its carrying case in a dry, secure location, out of reach of children.
- Ensure the power cord is neatly coiled and not kinked.



Figure 6.1: The wall grooving machine and accessories neatly stored in the provided carrying case.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Machine does not start	No power supply Faulty power cord/plug Worn carbon brushes Overload protection activated	Check power outlet and connections Inspect cord for damage Replace carbon brushes (Section 6.3) Allow machine to cool, then restart

Problem	Possible Cause	Solution
Reduced cutting performance	Dull or damaged blades Incorrect cutting depth/width setting Insufficient water supply (wet cutting)	Replace blades (Section 6.2) Adjust settings (Section 4.1, 4.2) Check water pump and hose for blockages
Excessive dust during operation	Water pump not functioning Hose blocked or disconnected Vacuum cleaner not connected/effective	Check water pump power and water level Clear hose, re-connect securely Ensure vacuum is properly attached and functional
Overheating	Blocked ventilation ports Continuous heavy load Worn motor components	Clean ventilation ports Allow machine to cool periodically Contact qualified service personnel

8. SPECIFICATIONS

Specification	Detail
Model	K1331
Brand	ONEUPING
Rated Power	3000W
Maximum Load Power	4800W
No-load Speed	6500 RPM
Voltage Frequency	110V, 50/60HZ
Saw Blade Size	133x20x4.5mm (5.24x0.79x0.18in)
Maximum Sawing Depth	41mm (1.6in)
Maximum Sawing Width	42mm (1.7in)
Power Cord Length	3m (9.8ft)
Dust-absorbing Hose Length	3m (9.8ft)
Handle Length	17cm (6.69in)
Item Size (L*H)	45x14cm (17.72x5.51in)
Material	Copper, Aluminum Alloy, Diamond Alloy, Nylon
Gross Weight	10.3kg (22.7lb)

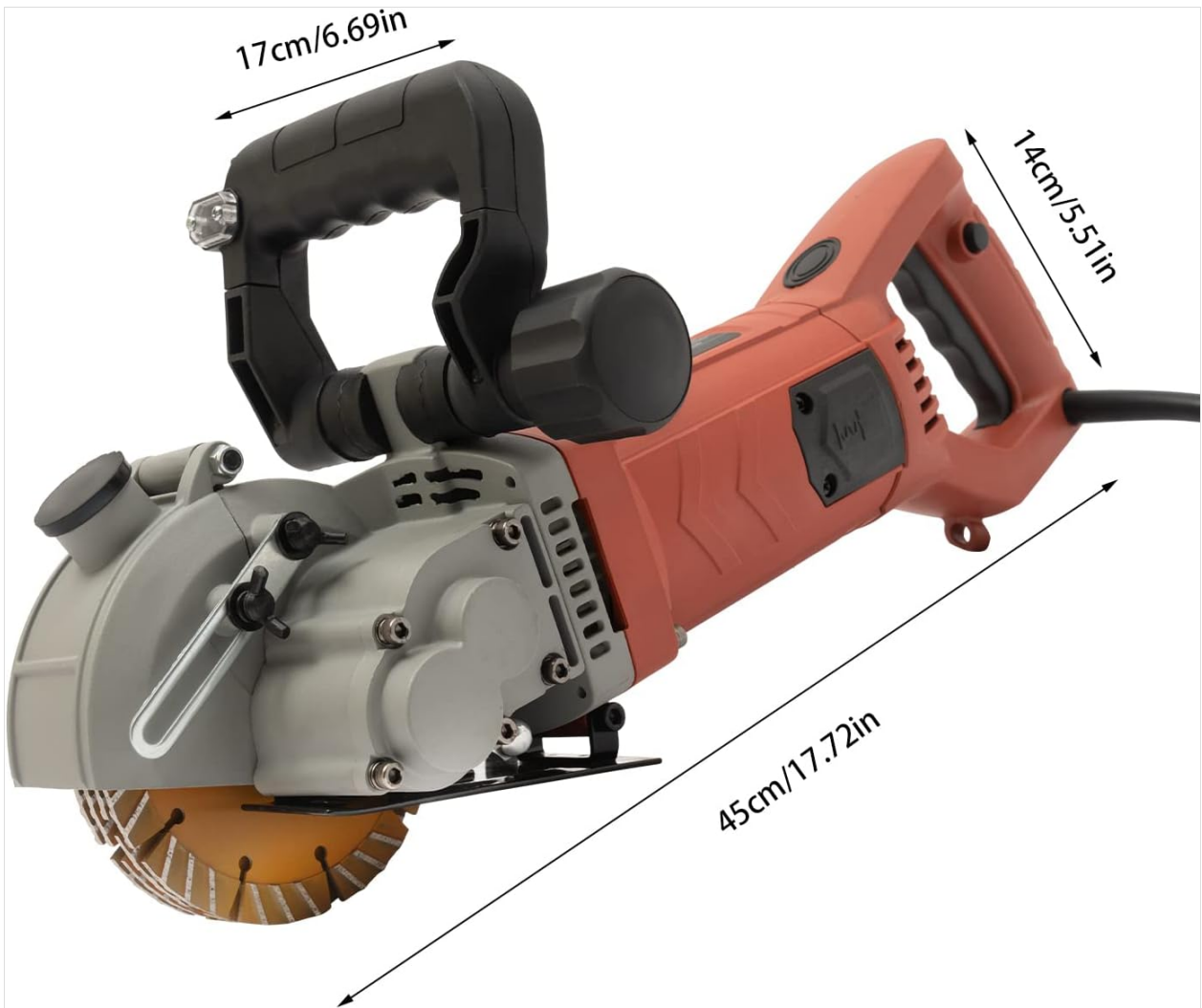


Figure 8.1: Key dimensions of the wall grooving machine.