

XIIW ZX-23L

XIIW 1600W Concrete Milling Machine / Grinder (Model ZX-23L)

User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your XIIW 1600W Concrete Milling Machine, Model ZX-23L. Please read these instructions carefully before using the tool to ensure optimal performance and user safety. This versatile electric tool is designed for milling various surfaces, including plaster, old paints, wallpaper, carpet residues, and tile adhesives.

2. SAFETY INSTRUCTIONS

- **Personal Protective Equipment:** Always wear appropriate personal protective equipment, including safety glasses and gloves, when operating the machine.



Image: Safety icons indicating the necessity of eye protection and gloves during operation. Also displays key specifications like voltage, power, and rotation speed.

- **Overheating Prevention:** This product features a brush motor. Prolonged continuous operation can lead to motor overheating and potential damage to internal components. It is recommended to allow the machine to rest for 10 to 15 minutes after 30 minutes of continuous use. If used with an industrial vacuum cleaner, the maximum continuous operation time is 2 hours before a rest period.
- **Side Cutter Usage:** Install the side cutters only when working in wall corners to achieve clean edges. For all other applications, it is recommended to use only the middle cutter to minimize excessive dust generation and the risk of concrete fragment splashes.
- **Dust Control:** Always connect the machine to an industrial vacuum cleaner (35 mm connection diameter) to ensure dust and residue-free operation. The machine features three suction channels directly behind the roller for efficient dust extraction.
- **Secure Handling:** Utilize the two ergonomic double handles for secure and effective guidance of the tool during operation.

3. PRODUCT OVERVIEW AND COMPONENTS

The XIIW Concrete Milling Machine (Model ZX-23L) is a robust tool designed for surface preparation. Key features include:

- **XTB-32W Carbide Milling Blades:** Equipped with ultra-hard carbide blades, suitable for various soft surfaces such as plaster, old paints, wallpaper, carpet residues, and tile adhesives. The blades are re-sharpenable.



XIIW XTB1600 Fraise à rouleaux

La XIIW XTB1600 Fraise à rouleaux, également appelée fraise murale ou fraise de rénovation, est un outil universel spécial qui peut être utilisé pour l'élimination de toute surface telle que les enduits, les colles à carrelage, les revêtements de toutes sortes, les surfaces dures et tendres, les restes de moquette, les anciennes peintures, etc.

Image: The XIIW XTB1600 Concrete Milling Machine in its carrying case, highlighting the XTB-32W roller cutter.



Fraise double en métal dur

Fraise à rouleaux ultra-dure avec 25 segments individuels (double fraise) que vous pouvez réaffûter à tout moment. (Le réaffûtage nécessite des compétences manuelles avancées)

Image: Detailed view of the ultra-hard double carbide roller cutter, composed of individual segments for effective material removal.

- **Continuous Height Adjustment:** Allows for precise milling depth adjustment from 1 mm to 4 mm.

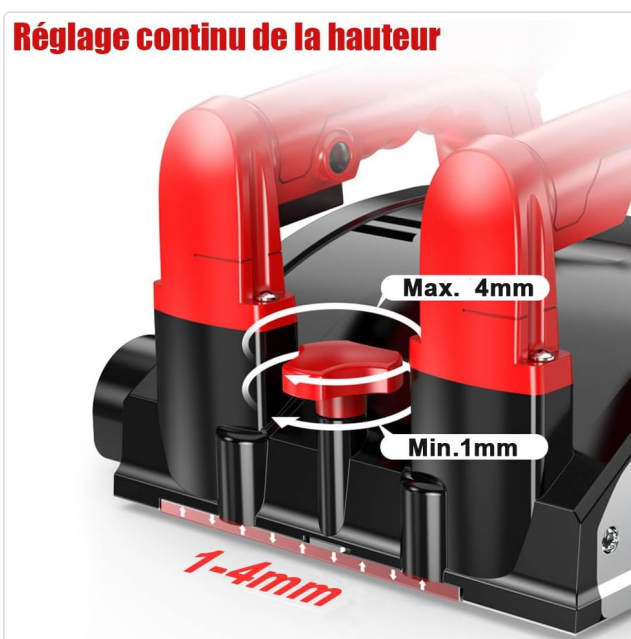


Image: Close-up of the height adjustment knob, illustrating the range from 1mm to 4mm for precise milling depth control.

- **Powerful 1600W Motor:** The reinforced aluminum housing reduces weight and effectively protects the motor. The motor is safeguarded against overload and overheating by a self-cooling system.



Image: Internal view of the 1600W motor, highlighting its robust construction and integrated self-cooling system for protection against overheating.

- **Ergonomic Design:** Features two ergonomic double handles for comfortable and secure operation.
- **Polished Base:** The polished base ensures smooth and uniform gliding across the work surface.

4. SETUP

1. **Unpacking:** Carefully remove the milling machine and all accessories from the packaging. Inspect for any damage during transit.
2. **Cutter Installation:** The machine comes with interchangeable cutters. For general surface milling, ensure the middle cutter is securely in place. If working in corners or along edges, the separate side cutters can be quickly attached or detached using the quick-change chuck. Refer to the safety instructions regarding side cutter usage.

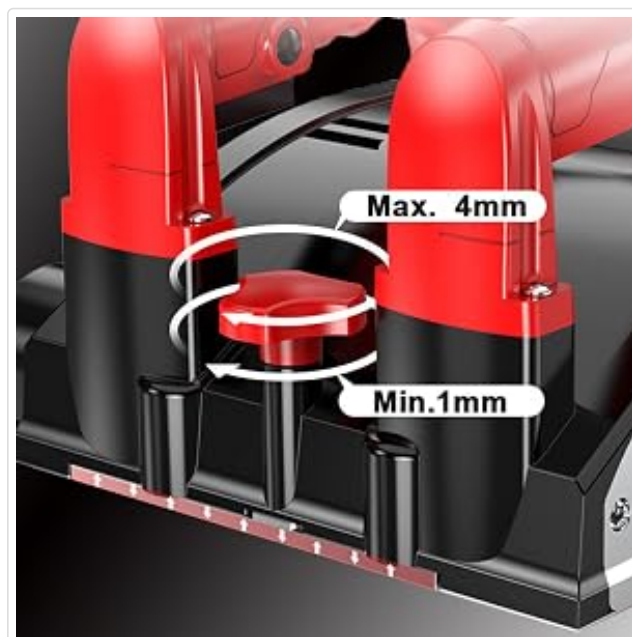


Image: Close-up view of the milling cutters, demonstrating their design for efficient surface preparation and cleaning.

3. **Vacuum Connection:** Connect an industrial vacuum cleaner (with a 35 mm diameter hose) to the designated suction port on the machine. This is crucial for dust-free operation.

4. **Power Connection:** Ensure the machine is connected to a suitable 230V AC power supply.

5. OPERATING INSTRUCTIONS

1. **Adjust Milling Depth:** Use the continuous height adjustment knob to set the desired milling depth between 1 mm and 4 mm. Start with a shallower depth and adjust as needed.
2. **Grip the Tool:** Hold the machine firmly with both hands using the ergonomic double handles.



Image: A user demonstrating the proper two-handed grip on the XIW Concrete Milling Machine while operating it on a wall surface.

3. **Start the Machine:** Turn on the power switch. Allow the motor to reach full operating speed before engaging the work surface.
4. **Milling Process:** Guide the machine smoothly and evenly across the surface. The polished base ensures consistent contact. Apply steady, moderate pressure. Avoid forcing the tool.
5. **Working in Corners:** If side cutters are installed, carefully guide the machine into corners to achieve a clean finish.
6. **Monitor Operation Time:** Adhere to the recommended operating times to prevent motor overheating. Allow for rest periods as specified in the safety instructions.
7. **Finish:** Once milling is complete, turn off the machine and disconnect it from the power supply.

6. MAINTENANCE

- **Cleaning:** After each use, ensure the machine is disconnected from power. Clean the tool, especially the cutter area and suction channels, to remove any accumulated dust or debris. This maintains optimal performance and dust extraction efficiency.
- **Motor Rest:** Regularly observe the recommended rest periods for the motor (10-15 minutes after 30 minutes of use, or after 2 hours with a vacuum cleaner) to prolong the lifespan of the brush motor and prevent internal damage.
- **Cutter Sharpening:** The ultra-hard roller cutters are re-sharpenable. Advanced manual skills are required for this process. Consult a professional if you are unsure.
- **Storage:** Store the machine in its carrying case in a dry, clean place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **Machine Not Starting:**
 - Check if the power cord is securely plugged into a working outlet.
 - Ensure the power switch is in the 'ON' position.
 - Verify the circuit breaker has not tripped.
- **Reduced Performance / Excessive Vibration:**
 - Inspect the milling cutters for wear or damage. Replace or sharpen as necessary.
 - Check for debris buildup around the cutters or in the suction channels. Clean thoroughly.
 - Ensure the milling depth is not set too aggressively for the material.
- **Overheating:**
 - If the motor feels excessively hot, immediately turn off the machine and allow it to cool down for at least 10-15 minutes.
 - Ensure you are adhering to the recommended operating and rest cycles.
 - Check for proper ventilation around the motor housing.
- **Poor Dust Extraction:**
 - Verify that the industrial vacuum cleaner is properly connected and functioning.
 - Check the vacuum hose for blockages.
 - Clean the three suction channels on the machine.

8. TECHNICAL SPECIFICATIONS



Image: The XIIW Concrete Milling Machine with its key dimensions and technical specifications displayed.

Specification	Detail
Manufacturer	XIIW

Specification	Detail
Model Number	ZX-23L (Reference: XTB1600)
Product Dimensions (L x W x H)	36 x 21 x 36 cm (Approx. 245 x 220 x 165 mm for main unit)
Color	Black
Material	Stainless Steel, Reinforced Aluminum Housing
Power Type	Electrical (AC)
Voltage	230 Volts / 50 Hz
Power	1600 Watts
Rotation Speed	1000-4000 rpm
Approx. Cutting Width	160 mm
Height Adjustment	1-4 mm (continuous)
Battery Required	No
Country of Origin	China

9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and spare parts availability for the XIIW 1600W Concrete Milling Machine (Model ZX-23L) is currently unavailable. For any support inquiries, please refer to the retailer or point of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question