

TECHTONGDA L239208

TECHTONGDA Concrete Floor Grinder Polishing Machine User Manual

Model: L239208

1. INTRODUCTION

Thank you for choosing the TECHTONGDA Concrete Floor Grinder Polishing Machine. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your machine. Please read this manual thoroughly before use and retain it for future reference.

This machine is designed for the recovery of new floor flatness, surface roughening, and the renovation process of old ground surfaces, including concrete, epoxy, and terrazzo floors. It is equipped with a powerful motor and various discs for both grinding and polishing tasks.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Entire Manual:** Understand all operating procedures and safety warnings before use.
- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, dust mask, heavy-duty gloves, and steel-toed boots.
- **Work Area:** Ensure the work area is well-lit, clear of obstructions, and free from flammable materials. Keep bystanders, especially children, away.
- **Electrical Safety:** Connect the machine to a properly grounded 220V power outlet. Do not operate in wet conditions. Inspect power cords for damage before each use.
- **Machine Inspection:** Before operation, check for loose parts, damaged components, or any other condition that may affect safe operation. Do not use a damaged machine.
- **Secure Discs:** Ensure all grinding/polishing discs are correctly installed and securely fastened before starting the machine.

- **Stable Operation:** Maintain a firm grip on the machine's handle during operation. Do not force the machine; let the tool do the work.
- **Dust Control:** This machine generates significant dust. Use appropriate dust collection systems and ensure proper ventilation.
- **Maintenance:** Disconnect power before performing any maintenance, cleaning, or changing accessories.
- **Storage:** Store the machine in a dry, secure location out of reach of children and unauthorized personnel.

3. PRODUCT FEATURES

The TECHTONGDA Concrete Floor Grinder Polishing Machine is engineered with the following key features:

- **Powerful Motor:** Equipped with a 2.2KW pure copper motor and high-speed bearings for stable operation and a rotating speed of 1430 RPM.
- **Foldable Arm:** The machine's arm can rotate 180 degrees, allowing it to fold for easier transport and storage.
- **Adjustable Grinding Chassis:** The height of the grinding chassis can be adjusted via a handwheel between the two casters, adapting to various floor conditions.
- **Magnetic Disc Installation:** Features a magnetic system for easy and secure installation of up to three discs simultaneously.
- **Dust Cover:** Includes a removable dust cover around the grinding chassis to assist with dust management.
- **Versatile Discs:** Comes with steel discs for grinding and resin discs (50mu and 1000mu) for polishing.



The machine's arm can rotate 180 degrees for compact storage and transport.

4. ASSEMBLY AND SETUP

Follow these steps to assemble and prepare your floor grinder for operation:

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged.
2. **Handle Assembly:** Attach the handle assembly to the main body of the grinder. Ensure all bolts and fasteners are securely tightened. The arm is designed to fold; ensure it is in the upright, locked position for operation.
3. **Disc Installation:**
 - Ensure the machine is unplugged from the power source.
 - Turn the machine on its side or lift it to access the grinding chassis.
 - Select the appropriate discs (steel for grinding, resin for polishing).
 - Place the discs onto the magnetic mounting points on the grinding chassis. Ensure they are firmly seated and do not wobble. Up to three discs can be installed simultaneously.



- ✓ 3 pieces of steel discs
- ✓ 3 pieces of resin discs of 50mu
- ✓ 3 pieces of resin discs of 1000mu

magnetically mounted discs



Magnetic disc installation on the grinding chassis. Each disc is 3.9 inches in diameter, providing a total grinding width of 11.8 inches.

4. **Chassis Height Adjustment:** Use the handwheel located between the casters to adjust the height of the grinding chassis. This allows for precise control over the grinding depth and contact with the floor surface.

The height of the grinding chassis can be adjusted



Adjust the grinding chassis height using the handwheel for optimal performance.

5. **Power Connection:** Connect the machine to a suitable 220V power supply. Ensure the power cord is not damaged and is routed safely to avoid tripping hazards.

5. OPERATION

Operating the TECHTONGDA Concrete Floor Grinder requires attention to detail and adherence to safety guidelines.

1. **Pre-Operation Check:** Before starting, re-check all safety measures, disc installation, and power connections. Ensure the work area is clear.
2. **Starting the Machine:** With a firm grip on the handle, press the power switch to start the motor. The machine will begin rotating the discs.
3. **Grinding/Polishing Technique:**
 - Gently lower the grinding chassis onto the floor surface.
 - Move the machine in a steady, overlapping pattern across the floor. Avoid staying in one spot for too long to prevent uneven wear or damage to the floor.
 - For grinding, use steel discs and apply consistent pressure.
 - For polishing, switch to resin discs (start with 50mu, then 1000mu for finer finish) and move the machine

smoothly.

- Adjust the chassis height as needed to control the aggressiveness of the grinding or polishing action.

4. **Dust Management:** Regularly empty any dust collection bags or containers. If using a vacuum system, ensure it is functioning correctly.
5. **Stopping the Machine:** To stop, release the power switch. Allow the discs to come to a complete stop before lifting the machine or performing any adjustments.

Application



Cement Floor



Epoxy Floor



Marble Floor



Rust Removal

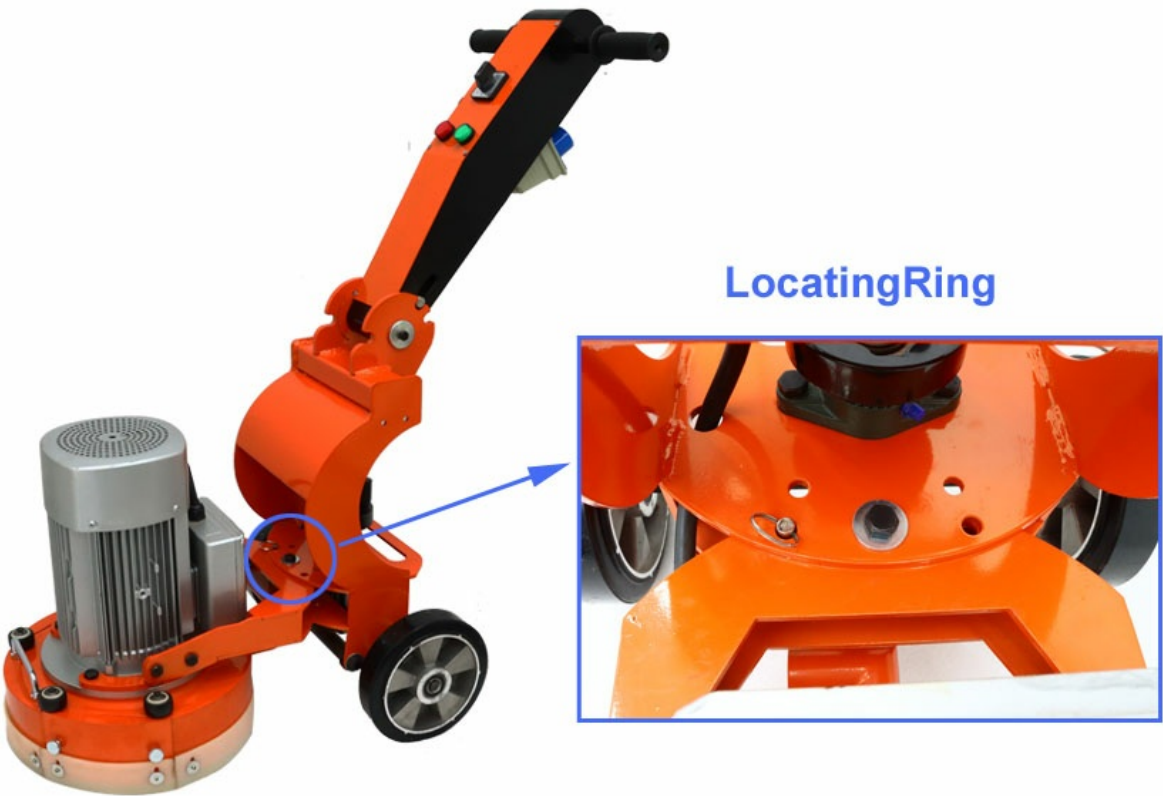
The machine is suitable for various applications including cement, epoxy, and marble floors, as well as rust removal.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your TECHTONGDA Floor Grinder.

- **Disconnect Power:** Always unplug the machine before any cleaning or maintenance.
- **Clean After Each Use:** Remove all dust and debris from the machine, especially around the motor vents and grinding chassis. Use compressed air or a brush.

- **Dust Cover Cleaning:** The dust cover around the grinding chasis is designed to be easily removed for cleaning. Detach it and clean thoroughly to maintain effective dust control.



The dust cover can be easily removed for cleaning.

- **Disc Inspection:** Inspect grinding and polishing discs for wear or damage. Replace worn discs promptly to ensure efficient and safe operation.
- **Cord Inspection:** Check the power cord for cuts, abrasions, or other damage. Replace if necessary.
- **Lubrication:** Refer to the technical specifications for any lubrication requirements. Generally, sealed bearings do not require user lubrication.
- **Storage:** Store the machine in a dry, clean environment. Consider folding the arm for more compact storage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your floor grinder.

Problem	Possible Cause	Solution
Machine does not start	No power supply; Damaged power cord; Faulty switch	Check power connection and outlet; Inspect power cord for damage; Contact service for switch replacement.
Poor grinding/polishing performance	Worn discs; Incorrect disc type for task; Insufficient pressure; Chassis height incorrect	Replace worn discs; Use appropriate discs (steel for grinding, resin for polishing); Apply more consistent pressure; Adjust chassis height.
Excessive vibration	Loose discs; Damaged discs; Uneven floor surface	Ensure discs are securely mounted; Replace damaged discs; Adjust technique for uneven surfaces.

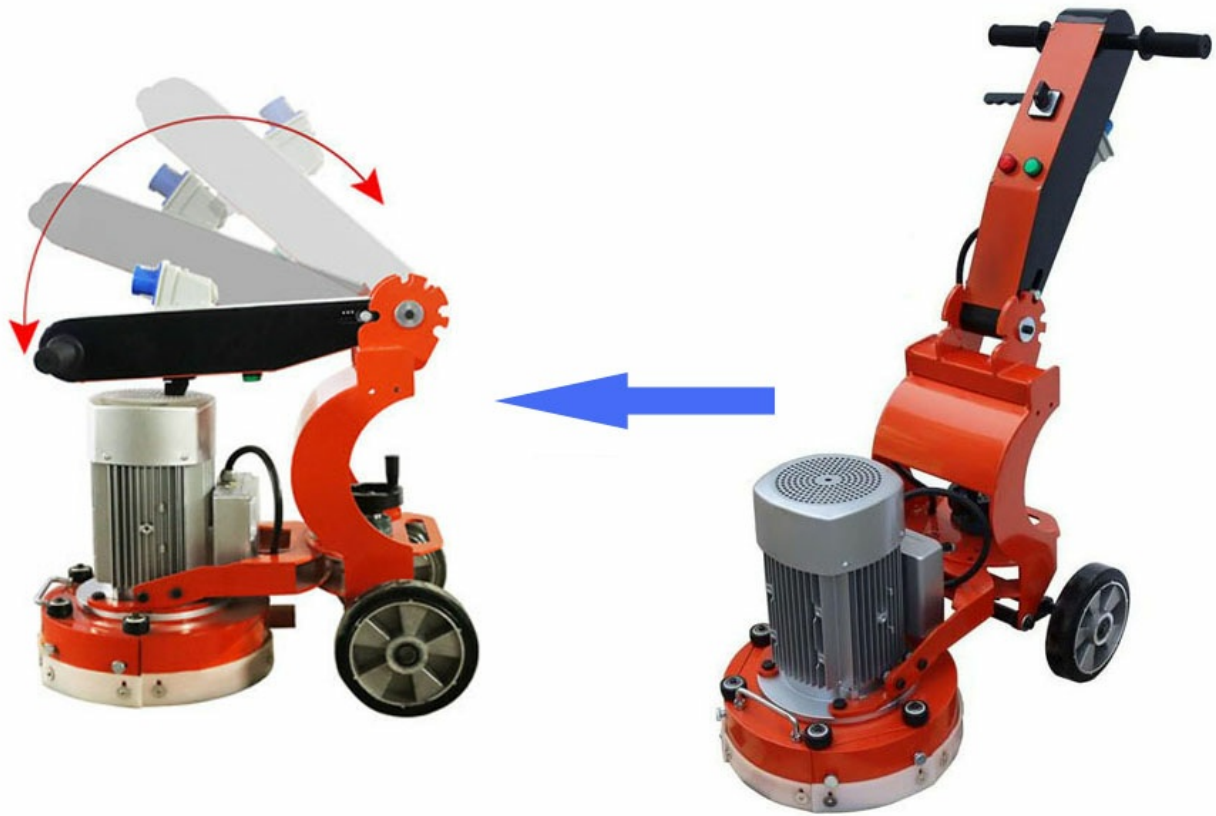
Problem	Possible Cause	Solution
Motor overheating	Blocked ventilation; Overloading the machine; Prolonged continuous use	Clear motor vents; Reduce load; Allow machine to cool down periodically.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact customer support.

8. SPECIFICATIONS

Technical specifications for the TECHTONGDA Concrete Floor Grinder Polishing Machine Model L239208:

Specification	Value
Brand	TECHTONGDA
Model Number	L239208
Material	Alloy Steel
Product Dimensions (L x W x H)	34" x 18" x 41"
Style	Foldable
Power Source	Corded Electric
Voltage	220 Volts
Wattage	2.2 KW
Maximum Rotational Speed	1430 RPM
Horsepower	2.95 Horsepower
Item Weight	170 Pounds
Included Components	Diamond grinding head, resin discs
UPC	725683345490



Key dimensions and specifications of the machine.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, replacement parts, or any operational questions, please contact TECHTONGDA customer service. Ensure you have your model number (L239208) and purchase details available when contacting support.

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

Anonymous

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