

Total TG513326

TOTAL TG513326 130W Mini Grinder User Manual

Model: TG513326

INTRODUCTION

The TOTAL TG513326 130W Mini Grinder is a versatile and powerful tool designed for precision tasks such as grinding, polishing, cutting, drilling, and engraving. Its compact size and comprehensive set of accessories make it suitable for various DIY projects and professional applications. This manual provides essential information for safe operation, proper maintenance, and effective use of your mini grinder.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of electric shock, fire, and serious injury.

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts.
- **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.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

PACKAGE CONTENTS

Carefully unpack your TOTAL TG513326 Mini Grinder and verify that all items are present and undamaged.

- TOTAL TG513326 130W Mini Grinder Unit
- BMC Carrying Case
- Flexible Shaft
- Safety Guard
- Cutting Guide
- Set of Carbon Brushes

- Approximately 109 Assorted Accessories



This image displays the TOTAL TG513326 130W Mini Grinder along with its packaging, highlighting the tool's design and indicating the inclusion of 110 accessories. The packaging also shows key features like variable speed, spindle lock, and a hang hook.

SETUP

- Power Connection:** Ensure the grinder is switched off before plugging it into a standard 220-240V, 50/60Hz power outlet.
- Attaching Accessories:**
 - Press and hold the *spindle lock button* located on the grinder head.
 - Unscrew the collet nut.
 - Insert the desired accessory into the collet. Ensure the accessory shaft matches the collet diameter (3.2mm or 2.3mm).
 - Tighten the collet nut securely while still holding the spindle lock button.
- Flexible Shaft Installation:**
 - Unscrew the collet nut and remove the collet from the main grinder unit.
 - Screw the flexible shaft coupling onto the grinder's threaded shaft.

- Insert the flexible shaft's inner core into the grinder's spindle.
 - Tighten the flexible shaft coupling securely.
 - Attach accessories to the flexible shaft's handpiece following the same procedure as for the main unit.
4. **Safety Guard and Cutting Guide:** Attach the safety guard and cutting guide as needed for specific applications, ensuring they are firmly secured before operation.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Locate the power switch on the grinder. Move it to the "ON" position to start the tool and "OFF" to stop it.
2. **Variable Speed Control:** The grinder features a variable speed controller with an LCD display. Rotate the speed dial to adjust the RPM from 10,000 to 35,000 rpm. Start with a lower speed for delicate work and gradually increase as needed for harder materials or faster material removal. The LCD display will show the current speed setting.
3. **Using the Hang Hook:** For extended use or when working with the flexible shaft, utilize the integrated hang hook to suspend the grinder, reducing fatigue and providing better maneuverability for the handpiece.
4. **Application Tips:**
 - Apply light, consistent pressure. Let the tool do the work.
 - Keep the tool moving to prevent overheating the workpiece or the accessory.
 - Always test on a scrap piece of material before working on your main project.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your mini grinder.

- **Cleaning:** After each use, disconnect the grinder from the power source and clean any dust or debris from the ventilation openings using a soft brush or compressed air. Do not use solvents or abrasive cleaners.
- **Carbon Brushes:** The grinder is equipped with carbon brushes. Periodically check the carbon brushes for wear. If they are worn down to approximately 1/4 inch (6mm) or less, they should be replaced. Refer to a qualified service technician for carbon brush replacement if you are unsure.
- **Storage:** Store the grinder and its accessories in the BMC carrying case in a dry, secure location, out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Grinder does not start.	No power supply; faulty switch; worn carbon brushes.	Check power outlet and cord. Ensure switch is ON. Inspect and replace carbon brushes if necessary.
Excessive vibration.	Accessory not properly seated or damaged; bent shaft.	Ensure accessory is securely tightened. Replace damaged accessories. Check for bent shafts.
Overheating during use.	Continuous heavy load; blocked ventilation.	Allow tool to cool down. Reduce pressure. Clear ventilation openings.

SPECIFICATIONS

Feature	Detail
Model Number	TG513326
Input Power	130W
Rated Voltage	220-240V~
Frequency	50/60Hz
No-Load Speed	10,000 - 35,000 rpm
Max Collet Diameter	3.2mm (also supports 2.3mm)
Item Weight	1.76 Kilograms
Product Dimensions	25 x 8 x 12 cm
Material	Metal
Color	Multicolor

WARRANTY AND SUPPORT



For warranty information, technical support, or service inquiries, please contact the manufacturer, Total Tools, or your authorized dealer. Keep your purchase receipt as proof of purchase for any warranty claims.




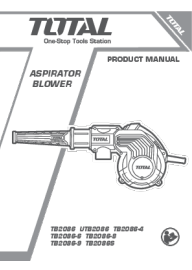
Manufacturer: Total Tools Co., PTE. LTD.

Website: www.totalbusiness.com



Related Documents - TG513326

	<p>TOTAL TG513326 Mini Grinder - User Manual, Safety, and Specifications</p> <p>Comprehensive user manual and technical specifications for the TOTAL TG513326 Mini Grinder. Includes detailed safety instructions, operation guidelines, maintenance procedures, parts list, and accessory information.</p>
	<p>TOTAL TG501032 Mini Grinder User Manual and Safety Guide</p> <p>Comprehensive guide for the TOTAL TG501032 Mini Grinder, covering safety instructions, technical specifications, setup, maintenance, and accessory usage for light industrial and hobbyist applications.</p>

 <p>TOTAL One-Stop Tools Station</p> <p>ELECTRIC GRINDER TG1091156</p> <p>950W</p>	<p>TOTAL TG1091156 Electric Grinder User Manual and Safety Guide</p> <p>Comprehensive user manual and safety guide for the TOTAL TG1091156 Electric Grinder, detailing safe operation, setup, maintenance, and troubleshooting for this 950W tool.</p>
 <p>TOTAL One-Stop Tools Station</p> <p>ELECTRIC GRINDER TG1101256E</p> <p>950W</p>	<p>TOTAL TG1101256E Electric Grinder - User Manual and Safety Guide</p> <p>Comprehensive user manual and safety instructions for the TOTAL TG1101256E 950W Electric Grinder. Includes technical specifications, setup, operation, maintenance, and troubleshooting.</p>
 <p>TOTAL One-Stop Tools Station</p> <p>AKU GRUPOVA BRUSKA S REGULACIJOM MOTORA</p> <p>1000W</p>	<p>TOTAL Cordless Angle Grinder with Brushless Motor - User Manual</p> <p>Comprehensive user manual and safety guide for TOTAL Cordless Angle Grinders with Brushless Motor (models TAGLI211006, TAGLI211156, TAGLI211256 series). Covers operation, maintenance, safety, and specifications.</p>
 <p>TOTAL One-Stop Tools Station</p> <p>ASPIRATOR BLOWER</p> <p>PRODUCT MANUAL</p>	<p>TOTAL Aspirator Blower Product Manual - Models TB2086, UTB2086, and more</p> <p>Official product manual for the TOTAL Aspirator Blower. Includes detailed safety instructions, operating procedures, technical specifications, and maintenance guidelines for models TB2086, UTB2086, TB2086-4, TB2086-6, TB2086-8, TB2086-9, and TB2086S. Learn how to use your TOTAL power tool safely and effectively.</p>