

Crown CT23007HX

Crown Cordless Die Grinder 6mm 20V (Model CT23007HX) User Manual

1. INTRODUCTION

Thank you for choosing the Crown Cordless Die Grinder 6mm 20V. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before using the die grinder and keep it for future reference. Proper use and care will ensure optimal performance and extend the life of your tool.

2. GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury.

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the tool.
- **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:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and dust masks. 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. Do not use the power tool if the switch does not turn it on and off. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

3. PRODUCT OVERVIEW

The Crown Cordless Die Grinder is a versatile tool designed for grinding, polishing, and cutting applications. Its compact and cordless design offers portability and ease of use in various work environments.



Image: The Crown Cordless Die Grinder, featuring a grey and black body with a red power button and a 6mm collet at the front.

Key Components:

- **Collet:** Secures grinding bits and accessories.
- **Spindle:** Rotates the collet and attached accessory.
- **Motor Housing:** Encloses the motor and internal components.
- **Handle/Grip:** Ergonomic design for comfortable and secure handling.
- **Power Switch/Trigger:** Activates and deactivates the tool.
- **Battery Interface:** Connection point for the 20V battery pack (battery not included).

4. SETUP

4.1 Battery Installation (Battery Not Included)

This die grinder is a bare unit and requires a compatible Crown 20V battery pack and charger, sold separately.

1. Ensure the die grinder is turned off and the power switch is in the 'OFF' position.
2. Align the battery pack with the battery interface on the tool's handle.
3. Slide the battery pack firmly into place until it clicks, indicating it is securely locked.
4. To remove the battery, press the battery release button (if present) and slide the battery pack out.

4.2 Attaching Accessories

Always ensure the tool is switched off and the battery is removed before changing accessories.

1. Identify the appropriate 6mm shank accessory for your task (e.g., grinding stone, burr).
2. Loosen the collet nut using the provided wrench (if applicable) or by hand if designed for quick release.
3. Insert the shank of the accessory into the collet, ensuring it is seated as deeply as possible without touching the bottom of the collet.
4. Tighten the collet nut securely with the wrench. Do not overtighten.
5. Verify that the accessory is firmly held and does not wobble.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

1. Ensure the battery is fully charged and properly installed.
2. To turn on the tool, press the power switch or squeeze the trigger.
3. To turn off the tool, release the power switch or trigger.

5.2 Usage Guidelines

- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during operation.
- **Proper Grip:** Hold the die grinder firmly with both hands if possible, maintaining control.
- **Start Slowly:** Allow the tool to reach full speed before making contact with the workpiece.
- **Apply Light Pressure:** Let the tool do the work. Excessive pressure can reduce efficiency, damage the accessory, and cause kickback.
- **Material Compatibility:** Ensure the chosen accessory is suitable for the material you are working on.
- **Ventilation:** Do not block the ventilation openings on the tool during operation.
- **Cool Down:** For prolonged use, allow the tool to cool periodically to prevent overheating.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Regularly clean the tool's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Use compressed air to clear dust and debris from the ventilation slots to prevent overheating.
- Inspect the collet and spindle area for any accumulated debris and clean as necessary.

6.2 Storage

- Store the die grinder in a clean, dry place, out of reach of children and unauthorized users.
- Remove the battery pack from the tool before storing for extended periods.
- Protect the tool from direct sunlight, extreme temperatures, and moisture.

7. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Faulty switch.	Ensure battery is fully charged and correctly inserted. Check switch functionality; if faulty, seek professional service.
Reduced performance/power	Low battery charge; Worn or dull accessory; Overloading the tool.	Recharge battery. Replace accessory. Reduce pressure and allow the tool to work at its own pace.

Problem	Possible Cause	Solution
Excessive vibration	Accessory not properly secured; Damaged or unbalanced accessory.	Ensure accessory is tightly secured in the collet. Replace damaged or unbalanced accessories.
Tool overheats	Blocked ventilation slots; Prolonged heavy use.	Clean ventilation slots. Allow the tool to cool down during extended operation.

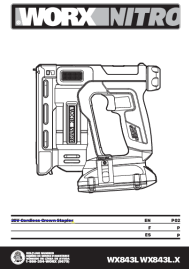





8. SPECIFICATIONS

Feature	Specification
Brand	Crown
Model Number	CT23007HX
Voltage	20 Volts
Collet Size	6mm
Power Source	Battery Powered
Special Features	Cordless
Item Weight	209 g (0.21 Kilograms)
Product Dimensions	10 x 20 x 37 cm
Manufacturer	CROWN
Country of Origin	China

9. WARRANTY AND SUPPORT

This Crown Cordless Die Grinder is manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your purchase or contact Crown customer support directly. Keep your proof of purchase for any warranty claims.

For technical assistance, spare parts, or service inquiries, please contact your authorized Crown service center or the retailer from whom you purchased the product.

	<p>WORX NITRO 20V Cordless Crown Stapler User Manual and Safety Guide</p> <p>Comprehensive user manual and safety guide for the WORX NITRO 20V Cordless Crown Stapler (WX843L, WX843L.X), covering operation, maintenance, safety precautions, and technical specifications.</p>
	<p>Crown CT28010XS-4 Cordless Rotary Hammer Manual</p> <p>Official instruction manual for the Crown CT28010XS-4 cordless rotary hammer, detailing specifications, safety guidelines, and usage instructions.</p>
	<p>Access Crown Temporary Crown and Bridge Material - Instructions for Use</p> <p>Comprehensive instructions for using Access Crown temporary crown and bridge material, including product description, indications, contraindications, application steps, repair procedures, additional uses, mixing timeline, and safety information. Suitable for dental professionals.</p>
	<p>Crown SP 3580F Stockpicker: Specifications and Features</p> <p>Detailed specifications and key features of the Crown SP 3580F Four-Point Stockpicker, a versatile material handling equipment designed for warehouse operations. Includes dimensions, load capacity, performance data, and advanced system controls.</p>
	<p>CROWN CT23001 Series Cordless Angle Grinder User Manual</p> <p>Comprehensive user manual and technical specifications for the CROWN CT23001 series cordless angle grinders, detailing operation, safety, maintenance, and model information.</p>
	<p>GREE SAA1FB1F (RF) U-CROWN FM Klimatyzator - Instrukcja Obsługi Sterownika Bezprzewodowego</p> <p>Szczegółowa instrukcja obsługi bezprzewodowego sterownika GREE SAA1FB1F (RF) do klimatyzatorów U-CROWN i U-CROWN FM. Opis przycisków, funkcji, ikon i ustawień.</p>

