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Dremel 220-01

Dremel 220-01 Workstation Instruction Manual

MODEL: 220-01

Introduction

The Dremel 220-01 Workstation is a versatile accessory designed to enhance the functionality of your Dremel rotary tool. It transforms your handheld tool into a stationary unit for precise drilling, sanding, polishing, and grinding tasks. This manual provides essential information for safe and effective use of your workstation.

Safety Information

Always read and understand all safety warnings and instructions provided with your Dremel rotary tool and this workstation before use. Failure to follow these instructions may result in electric shock, fire, and/or serious injury. Keep children and bystanders away while operating the workstation. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.

Setup

Proper assembly is crucial for the stability and functionality of your Dremel Workstation. Follow these steps to set up your unit:

- Base Assembly:** Securely attach the main support column to the workstation base using the provided hardware. Ensure all connections are tight to prevent wobbling during operation.
- Tool Holder Installation:** Slide the tool holder mechanism onto the support column. Adjust its height and orientation as needed for your specific task.
- Rotary Tool Mounting:** Insert your Dremel rotary tool into the tool holder. Tighten the clamping mechanism to firmly secure the tool in place. Ensure the tool is properly aligned with the work surface.
- Accessory Attachment:** Attach any desired Dremel accessories, such as the Flex Shaft Tool Stand or Crow's Nest, to the appropriate locations on the workstation.







Figure 1: Fully assembled Dremel 220-01 Workstation with a Dremel rotary tool. The workstation provides a stable platform for various precision tasks.

The workstation is designed for easy assembly, typically taking around 10 minutes. Ensure all nuts and bolts are correctly positioned and tightened for safe operation.

Operating Instructions

The Dremel 220-01 Workstation offers multiple modes of operation to maximize the utility of your rotary tool:

- **Articulating Drill Press:** This function allows you to drill perpendicular and angled holes. The drill press can be adjusted in 15-degree increments, up to 90 degrees horizontal, providing flexibility for various drilling angles.
- **Tool Holder:** The workstation holds your Dremel tool at 90 degrees horizontal. This is ideal for tasks such as polishing metal objects, sanding different shapes, and grinding metal pieces, freeing your hands for better control of the workpiece.
- **Flex Shaft Tool Stand:** The integrated stand allows for telescopic adjustment to any height between 16 and 29 inches. This is particularly useful when using a flexible shaft attachment with your Dremel tool, providing a stable anchor point.



Figure 2: A Dremel rotary tool securely mounted in the workstation, demonstrating its use as a drill press for precise hole drilling.

To operate, ensure your Dremel rotary tool is securely mounted. Adjust the workstation to the desired position and angle. Turn on your Dremel tool and carefully bring the workpiece into contact with the rotating accessory. Always maintain a firm grip on the workpiece and use appropriate feed rates.

Features

The Dremel 220-01 Workstation is equipped with several features designed for convenience and efficiency:

- **Articulating Drill Press:** Drills perpendicular and angled holes in 15-degree increments, up to 90 degrees horizontal.
- **Tool Holder:** Holds the tool at 90 degrees horizontal for tasks such as polishing metal objects, sanding different shapes, and grinding metal pieces.
- **Flex Shaft Tool Stand:** Allows telescopic adjustment to any height between 16 and 29 inches.
- **Crow's Nest:** Provides on-board storage for drill bits, wrenches, and other Dremel accessories.
- **Cord Management Clips:** For safe storage of power cords, preventing entanglement and improving workspace organization.



Figure 3: A view of the Dremel Workstation highlighting the integrated storage for accessories and the cord management system.

Maintenance

To ensure the longevity and optimal performance of your Dremel 220-01 Workstation, regular maintenance is recommended:

- **Cleaning:** After each use, wipe down the workstation with a clean, dry cloth to remove dust and debris. For stubborn grime, use a mild detergent solution and dry thoroughly.
- **Lubrication:** Periodically apply a small amount of light machine oil to the moving parts of the drill press mechanism and the telescopic shaft to ensure smooth operation.
- **Inspection:** Regularly inspect all bolts, screws, and clamping mechanisms for tightness. Tighten any loose fasteners to maintain stability. Check for any signs of wear or damage to the plastic or metal components.
- **Storage:** Store the workstation in a clean, dry environment when not in use. The compact design allows for convenient storage.

Troubleshooting

If you encounter issues with your Dremel 220-01 Workstation, refer to the following common troubleshooting tips:

- **Workstation is Unstable:** Ensure the base is placed on a flat, stable surface. Check that all assembly bolts and nuts are securely tightened. If mounting to a workbench, ensure the clamps are firm.
- **Rotary Tool Not Secure:** Verify that the rotary tool is fully inserted into the tool holder and the clamping mechanism is tightened sufficiently. Different Dremel models may require slight adjustments.
- **Drill Press Movement is Stiff:** Apply a small amount of lubricant to the vertical shaft and the moving parts of the drill press mechanism. Ensure no debris is obstructing the movement.
- **Flex Shaft Stand Not Adjusting:** Check for any obstructions on the telescopic shaft. Loosen the locking collar, adjust the height, and then re-tighten firmly.

For issues not covered here, please contact Dremel customer support.

Specifications

Brand	Dremel
Model Number	220-01
Product Dimensions	20.32 x 18.8 x 35.56 cm
Item Weight	2.15 kg (4.75 Pounds)
Material	Plastic
Special Features	Tool Holder, Articulating Drill Press, Flex Shaft Stand, Crow's Nest, Cord Management Clips

Included Components

Dremel 220-01 Workstation

Warranty and Support

Dremel products are manufactured to high-quality standards. For warranty information, please refer to the documentation included with your Dremel rotary tool or visit the official Dremel website. If you require technical assistance, replacement parts, or have any questions regarding your Dremel 220-01 Workstation, please contact Dremel Customer Service. Contact details can typically be found on the Dremel website or in your product's original packaging.