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Brand: Central Machinery

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and setup of your Central Machinery 5 Speed Drill Press. Designed for general-purpose drilling in various materials, this heavy-duty tool is suitable for both woodworking and metalworking tasks. Please read this manual thoroughly before initial use and retain it for future reference.

SAFETY INFORMATION

Operating power tools requires strict adherence to safety guidelines to prevent injury. Always prioritize your safety and the safety of others.

- Always wear appropriate personal protective equipment, including safety glasses and hearing protection.
- Ensure the workpiece is securely clamped before drilling to prevent movement.
- Keep hands and fingers clear of the rotating drill bit and moving parts.
- Utilize the emergency stop button for immediate shutdown in hazardous situations.
- Ensure the transparent safety guard is in place to protect against flying debris.
- Disconnect power before performing any maintenance, adjustments, or changing drill bits.
- Maintain a clean and well-lit work area.

PRODUCT OVERVIEW

The Central Machinery 5 Speed Drill Press is a robust tool designed for precision drilling. Below is an image illustrating the main components of the drill press.



Image: Central Machinery 5 Speed Drill Press, showcasing its main body, chuck, table, and base.

SETUP

1. Assembly

The drill press is designed for straightforward assembly. Refer to the separate assembly guide for detailed instructions on putting together the column, head, table, and base components. Ensure all fasteners are tightened securely before operation.

2. Drill Bit Installation and Removal

- Ensure the drill press is unplugged before changing bits.
- Insert the desired drill bit into the chuck.
- Tighten the chuck jaws firmly using the chuck key to secure the bit.
- To remove, loosen the chuck jaws with the key and carefully extract the bit.

3. Table Adjustments

- The table can be raised or lowered along the column to accommodate different workpiece sizes. Loosen the table lock handle, adjust the table to the desired height, and then securely tighten the handle.
- The table can also be tilted up to 45 degrees left and right for angled drilling. Loosen the tilt locking bolts, set the desired angle, and re-tighten the bolts.

OPERATING INSTRUCTIONS

1. Power Control

- To turn the drill press ON, push the green "ON" button.
- To turn the drill press OFF, push the red "OFF" button. The red button also serves as an emergency stop.

2. Speed Adjustment

This drill press offers 5 speed settings, ranging from 620 to 3100 RPM, allowing for optimal drilling across

various materials. To adjust the speed, open the top cover and reposition the drive belt on the motor and spindle pulleys according to the speed chart located inside the cover. Always ensure the machine is unplugged before adjusting belt positions.

3. Drilling Operations

- Position your workpiece on the table and secure it with clamps or a vise.
- Adjust the table height and angle as needed.
- Set the desired drilling depth using the depth adjustment gauge.
- Turn on the drill press.
- Slowly lower the drill bit into the workpiece using the feed handle, applying steady, even pressure.
- Once the desired depth is reached, retract the drill bit from the workpiece.
- Turn off the drill press.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill press.

- Keep the machine clean and free of dust, chips, and debris.
- Periodically inspect the drive belt for wear and tension. Adjust or replace as necessary.
- Lubricate moving parts according to the manufacturer's recommendations in the full product manual.
- Check all nuts, bolts, and screws for tightness and re-tighten if loose.
- Inspect the power cord for any damage. Do not operate with a damaged cord.

TROUBLESHOOTING

If you encounter issues with your drill press, consider the following common troubleshooting steps:

- **Machine does not start:** Check power connection, ensure the ON/OFF switch is correctly engaged, and verify the circuit breaker.
- **Excessive vibration:** Ensure the drill press is securely mounted, check for loose components, and verify the drill bit is properly seated and not bent.
- **Drill bit not cutting efficiently:** Ensure the drill bit is sharp and appropriate for the material, and that the correct speed setting is selected.
- **Inaccurate drilling:** Verify the workpiece is securely clamped and the table is properly aligned and locked.

SPECIFICATIONS

Feature	Specification
Motor Voltage	120 Volts
Number of Speeds	5
Rotational Speed Range	620 - 3100 RPM
Maximum Chuck Size	1/2 inch
Spindle Stroke	2 inches
Maximum Swing	8 inches
Table Tilt	45 degrees left and right
Column Diameter	1.89 inches
Table Dimensions	6-5/16" x 6-1/2"
Base Dimensions	11-1/8" x 7"
Overall Dimensions	23" H x 17" W x 7" D
Product Weight	25.4 Pounds
Power Source	Corded Electric

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to purchase replacement parts, please refer to the original product packaging or contact Central Machinery customer service. Keep your purchase receipt for warranty claims.