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› VEVOR 1200W 30000 RPM Flexible Shaft Grinder Instruction Manual

VEVOR JHDMJMNA2

VEVOR 1200W 30000 RPM Flexible Shaft Grinder Instruction Manual

INTRODUCTION

This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your VEVOR 1200W Flexible Shaft Grinder. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury or damage. Keep this manual for future reference.



Image: The VEVOR Flexible Shaft Grinder, showcasing the main motor unit, the flexible shaft with its handpiece, and the foot pedal control.

SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools.

- **Read All Instructions:** Familiarize yourself with the tool's operation and safety guidelines before use.
- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Secure Workpiece:** Always clamp or secure the workpiece to prevent movement during operation.
- **Maintain a Clean Work Area:** Cluttered areas invite accidents.
- **Avoid Dangerous Environments:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Dress Properly:** Do not wear loose clothing or jewelry. Contain long hair.
- **Use Proper Accessories:** Consult the manual for recommended accessories. Using improper accessories may cause risk of injury.
- **Disconnect Power:** Always disconnect the tool from the power source before changing accessories,

making adjustments, or performing maintenance.

- **Inspect Tool Before Use:** Check for damaged parts, misalignment, or any other condition that may affect its operation.
- **Do Not Overreach:** Keep proper footing and balance at all times.
- **Avoid Accidental Starting:** Ensure the switch is in the OFF position before plugging in.

PACKAGE CONTENTS

The following items are included with your VEVOR Flexible Shaft Grinder:

Install Your Tool in 3 Steps



Loosen the chuck



Place the tool



Tighten the chuck with key

Image: A comprehensive view of all components and accessories included with the VEVOR Flexible Shaft Grinder.

- 1 x Flexible Shaft Grinder Main Unit
- 1 x Foot Pedal
- 1 x Flexible Shaft Handpiece
- 1 x Spare Inner Flexible Shaft Cable
- 2 x Carbon Brushes
- 1 x Chuck Key
- 1 x Hex Key
- 1 x Storage Box for accessories
- 8 x Sanding Bands
- 6 x Sanding Discs
- 8 x Grinding Stones
- 2 x Sanding Band Mandrels
- 1 x Mandrel

SPECIFICATIONS



Image: Technical diagram illustrating the dimensions of the main unit, flexible shaft, and foot pedal, along with key specifications.

Specification	Value
Model Number	JHDMJMNA2
Rated Power	1200 W
Rotary Speed	30000 RPM
Chuck Range	0.02 - 0.24 inches (0.5 - 6 mm)

Flexible Shaft Length	35.04 inches (890 mm)
Voltage	230V (AC)
Power Source	AC/DC
Net Weight	6.17 lbs (2.8 kg)
Product Dimensions	49.61 x 4.53 x 3.74 inches (1260 x 115 x 95 mm)



Image: An illustration highlighting the powerful 1200W copper motor, capable of reaching 30000 RPM for stable and efficient performance.

SETUP

1. Assembling the Flexible Shaft

1. Ensure the main unit is unplugged from the power source.
2. Align the flexible shaft's connector with the output shaft of the main motor unit.
3. Thread the flexible shaft connector onto the motor unit until it is securely tightened.

2. Connecting the Foot Pedal

1. Connect the power cord from the main motor unit into the input port of the foot pedal.
2. Plug the foot pedal's power cord into a suitable electrical outlet.

3. Installing Accessories

Extended Flex Shaft

Flexible processing of large surface materials

35.04 in / 890 mm
Flex Shaft



Image: A visual guide demonstrating the three steps to securely install an accessory into the three-jaw chuck of the flexible shaft handpiece.

1. **Loosen the Chuck:** Use the provided chuck key to loosen the three-jaw chuck on the flexible shaft handpiece.
2. **Place the Tool:** Insert the shank of the desired accessory (e.g., grinding stone, sanding band mandrel) into the chuck jaws. Ensure it is inserted far enough for a secure grip.
3. **Tighten the Chuck:** Use the chuck key to firmly tighten the chuck, securing the accessory in place. Verify the accessory is centered and cannot be pulled out easily.

Three-jaw Chuck, Highly Compatible

Firm grip with different accessories



Chuck Range: **0.02-0.24 in / 0.5-6 mm**

Image: A detailed view of the high-precision three-jaw chuck, capable of securely holding accessories with shanks from 0.02 to 0.24 inches (0.5 to 6 mm).

OPERATING INSTRUCTIONS

1. Powering On and Speed Control

1. Ensure all connections are secure and the accessory is properly installed.
2. Flip the main power switch on the motor unit to the 'ON' position.
3. Press the foot pedal to start the motor. The speed of the rotary tool is controlled by the pressure applied to the foot pedal. Pressing harder increases the speed, while releasing pressure decreases it.
4. To stop the tool, release the foot pedal and turn off the main power switch.

2. Direction Control (Forward/Reverse)

The main motor unit features a switch for selecting the rotation direction (FWD for Forward, REV for Reverse). Select the appropriate direction based on your application and accessory requirements.

3. Applications

The VEVOR Flexible Shaft Grinder is suitable for a variety of precision tasks on multiple materials:

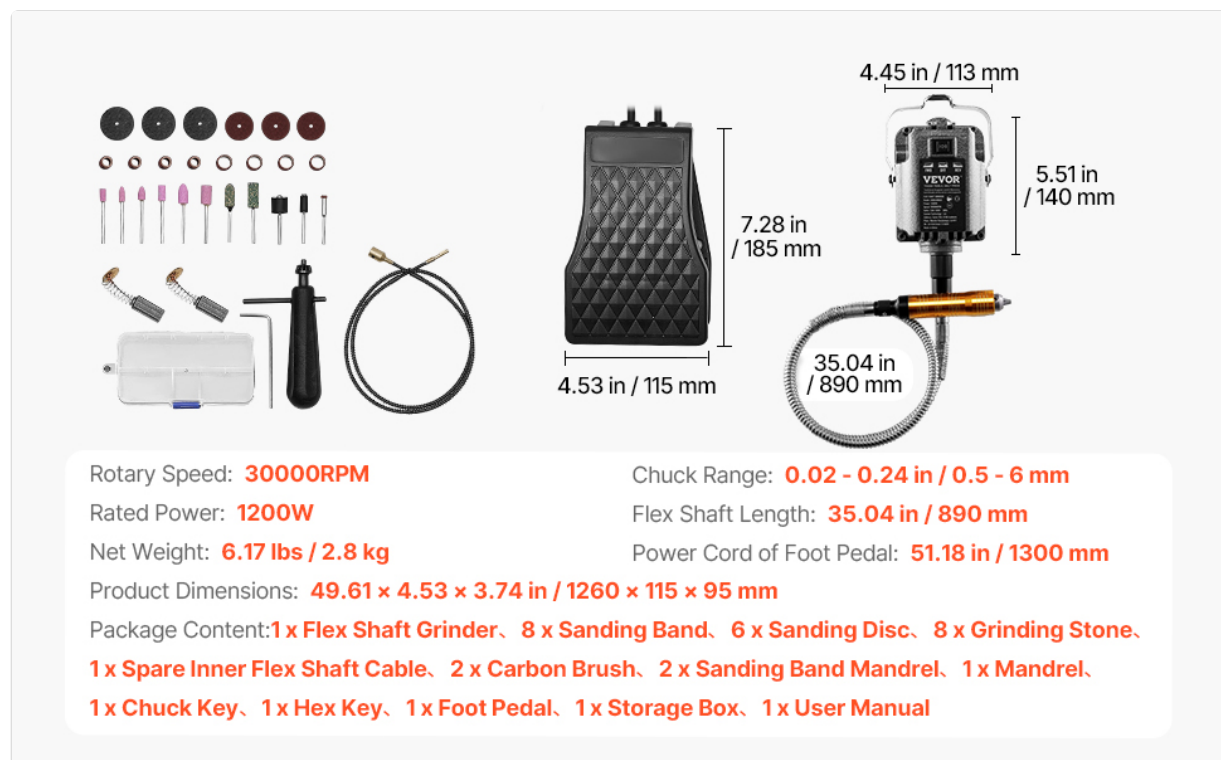


Image: Examples of the flexible shaft grinder in use for various applications, including wood carving, metal polishing, jewelry drilling, and stone grinding.

- **Wood Carving:** Ideal for detailed carving and shaping of wood.
- **Metal Polishing:** Effective for smoothing and polishing metal surfaces.
- **Jewelry Drilling:** Provides precision for drilling small holes in jewelry and delicate materials.
- **Stone Grinding:** Suitable for shaping and grinding various types of stone.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

1. General Cleaning

- Always unplug the tool before cleaning.
- Wipe down the main unit, flexible shaft, and handpiece with a clean, dry cloth.
- Use compressed air to clear dust and debris from ventilation openings.

2. Carbon Brush Replacement

Carbon brushes are wear items and should be inspected periodically. Replace them when they are worn down to approximately 1/4 inch (6 mm) or if the motor experiences reduced power or intermittent operation.

1. Ensure the tool is unplugged.

2. Locate the brush caps on the sides of the motor housing.
3. Unscrew the brush caps and carefully remove the old carbon brushes.
4. Insert the new carbon brushes, ensuring they slide in smoothly.
5. Replace and tighten the brush caps.

3. Flexible Shaft Inner Cable Lubrication/Replacement

The inner cable of the flexible shaft should be lubricated periodically (e.g., every 50 hours of use) to ensure smooth operation and prevent wear. If the cable becomes damaged or kinked, it should be replaced.

1. Unplug the tool and disconnect the flexible shaft from the motor unit and the handpiece.
2. Carefully pull the inner cable out of the flexible shaft housing.
3. Clean the old lubricant and inspect the cable for damage.
4. Apply a thin layer of flexible shaft lubricant (not included) along the entire length of the cable.
5. If replacing, insert the new inner cable into the housing.
6. Reassemble the flexible shaft to the motor unit and handpiece.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	No power supply; Main switch off; Foot pedal not pressed; Worn carbon brushes	Check power connection; Turn main switch ON; Press foot pedal; Replace carbon brushes
Reduced power or intermittent operation	Worn carbon brushes; Loose connections; Overload	Replace carbon brushes; Check all connections; Reduce pressure on workpiece
Excessive vibration or noise	Damaged accessory; Unbalanced accessory; Kinked flexible shaft inner cable	Replace damaged accessory; Ensure accessory is properly seated; Inspect and replace inner cable if necessary
Accessory slips in chuck	Chuck not tightened sufficiently; Accessory shank too small	Tighten chuck firmly with chuck key; Use accessories with appropriate shank diameter

WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official VEVOR website. Please have your model number (JHDMJMNA2) and purchase date available when contacting support.