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vidaXL 500W 200mm Electric Disc and Belt Sander Instruction Manual

Model: 144832

1. INTRODUCTION

This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your vidaXL 500W 200mm Electric Disc and Belt Sander. Please read these instructions thoroughly before operating the machine to ensure proper use and to prevent injury or damage. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

WARNING: Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep the 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. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from 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.
- **Specific Sander Safety:** Ensure the sanding belt and disc are correctly installed and tensioned before operation. Always secure the workpiece firmly. Do not sand materials containing asbestos.

3. PRODUCT OVERVIEW

The vidaXL 500W 200mm Electric Disc and Belt Sander is a versatile 2-in-1 tool designed for various sanding and finishing tasks on wood. It features both a disc sander and a belt sander, each with adjustable work tables.



Figure 3.1: Front view of the vidaXL Electric Disc and Belt Sander, showing the disc sander on the left and the belt sander on the right.



Figure 3.2: Rear view of the sander, illustrating the motor housing and power cord connection.



Figure 3.3: This image highlights the adjustable nature of both the disc and belt sanding tables, allowing for various working angles.



Figure 3.4: A detailed view of the sanding belt, showing its texture and size (4 x 36 inches or 10.2 x 91.4 cm).



Figure 3.5: Close-up of the adjustment lever and scale for setting the belt sander's angle, ranging up to 45 degrees.



Figure 3.6: The main power switch, featuring a green 'I' button for ON and a red 'O' button for OFF.



Figure 3.7: A close-up of the sanding disc, showing the adhesive backing for attaching sanding paper (P80 grit shown).

4. SETUP

Before initial use, ensure the sander is placed on a stable, level surface. Unpack all components and verify that no parts are missing or damaged.

4.1 Assembling the Work Tables

- Attach the disc sander work table to the designated mounting points using the provided hardware. Ensure it is securely fastened.
- Attach the belt sander work table. This table can be adjusted for angle.

4.2 Installing Sanding Media

- **Sanding Disc:** Peel the backing from the new sanding disc and carefully align it with the disc plate. Press firmly to ensure good adhesion.
- **Sanding Belt:** Release the belt tension lever. Slide the new sanding belt onto the rollers, ensuring the

directional arrow on the belt matches the rotation direction indicated on the machine. Re-engage the tension lever.

4.3 Connecting to Power

Plug the power cord into a standard 240V electrical outlet. Ensure the power switch is in the 'OFF' position before plugging in.

5. OPERATING INSTRUCTIONS

This sander offers both disc and belt sanding capabilities. Always wear appropriate personal protective equipment (PPE) before operation.

5.1 Powering On/Off

- To turn the sander ON, press the green 'I' button on the power switch.
- To turn the sander OFF, press the red 'O' button.

5.2 Adjusting Work Table Angles

- **Disc Sander Table:** Loosen the locking knob beneath the disc table. Adjust the table to the desired angle (up to 45 degrees) using the angle scale. Tighten the knob to secure the table.
- **Belt Sander Table:** Loosen the locking lever on the side of the belt sander. Adjust the belt unit to the desired position (vertical, horizontal, or any angle in between). Tighten the lever to secure.

5.3 Sanding Techniques

- **General Sanding:** Hold the workpiece firmly against the work table and gently move it across the sanding surface. Apply even, moderate pressure.
- **Edge Sanding (Disc):** Use the disc sander for precise edge finishing. Ensure the workpiece is supported by the table and moved smoothly across the disc.
- **Surface Sanding (Belt):** The belt sander is ideal for larger surfaces and removing material quickly. Move the workpiece consistently along the belt to avoid uneven sanding.
- Avoid applying excessive pressure, as this can overheat the motor, damage the sanding media, or cause kickback.

6. MAINTENANCE

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

6.1 Cleaning

- After each use, disconnect the power and clean the machine. Remove sawdust and debris from the work tables, motor housing, and sanding areas using a brush or compressed air.
- Ensure ventilation openings are clear to prevent overheating.

6.2 Changing Sanding Media

- **Sanding Disc:** To replace a worn disc, peel it off the disc plate. Clean any adhesive residue before applying a new disc.
- **Sanding Belt:** To replace a worn belt, release the tension lever, remove the old belt, and install a new

one as described in Section 4.2.

6.3 Lubrication

The motor bearings are typically sealed and do not require lubrication. Refer to a qualified service technician for any internal lubrication needs.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sander does not start	No power supply Faulty power switch	Check power cord and outlet Contact qualified service personnel
Excessive vibration	Loose components Unbalanced sanding disc/belt	Check all fasteners Replace sanding disc/belt
Poor sanding performance	Worn sanding media Incorrect grit for material	Replace sanding disc/belt Use appropriate grit for the task
Motor overheating	Blocked ventilation Excessive load	Clean ventilation openings Reduce pressure on workpiece

8. SPECIFICATIONS

Feature	Specification
Brand	vidaXL
Model Number	144832
Power Type	Corded Electric
Voltage	240 Volts
Max Rotation Speed	2850 RPM
Disc Diameter	200 mm
Weight	17.29 Kilograms
Grain Description	Very fine (referring to included grit)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the purchase documentation or contact your retailer. Spare parts availability information is not provided in this manual. For technical support or service, please contact vidaXL customer service or an authorized service center.

You can visit the vidaXL store for more products and information:[vidaXL Store](#)

