

VEVOR JLD10-8

VEVOR Belt Grinder Sander JLD10-8 User Manual

Model: JLD10-8

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your VEVOR Belt Grinder Sander JLD10-8. Please read this manual thoroughly before initial use and retain it for future reference. This machine is designed for various grinding tasks, including knife making, metalworking, deburring, and surface finishing, offering variable speed control and multiple grinding modes.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Manual:** Understand all operating procedures and safety warnings before use.
- **Personal Protective Equipment (PPE):** Always wear safety glasses or a face shield, hearing protection, and appropriate work gloves. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Work Area:** Ensure your work area is clean, well-lit, and free from clutter. Keep children and bystanders away from the machine during operation.
- **Electrical Safety:** Ensure the power supply matches the machine's requirements (120V AC). Do not operate in wet conditions. Inspect power cords for damage before each use.
- **Machine Stability:** Ensure the belt grinder is securely placed on a stable, level surface. The heavy-duty steel base is designed for stability.
- **Guards and Shields:** Never operate the machine without all guards and safety features in place, including the full protective cover, adjustable eye shield, and spark deflector.
- **Material Compatibility:** Only grind materials suitable for the machine and the installed sanding belt.
- **Emergency Stop:** Familiarize yourself with the location of the power switch for quick shutdown in emergencies.

Adapt to Every Grinding Task



Flat Grinding

Smooth and even results



Curved Grinding

Shape curves with control



Circular Grinding

Refine edges smoothly



Horizontal Grinding

Better control for large pieces

Image: The VEVOR Belt Grinder Sander is equipped with a full protective cover, adjustable eye shield, and spark deflector to enhance user safety during operation.

3. PRODUCT OVERVIEW

The VEVOR Belt Grinder Sander JLD10-8 is a versatile tool for various grinding and polishing applications. It features a powerful 1500W brushless motor and a Variable Frequency Drive (VFD) for precise speed control.

Key Features:

- **Motor:** 1500W Brushless Motor for powerful and efficient operation.
- **Speed Control:** VFD (Variable Frequency Drive) for stepless speed adjustment from 600 to 6000 RPM.
- **Belt Speed:** Up to 32 m/s for fast material removal.
- **Grinding Modes:** Supports Circular, Arc, and Flat grinding.
- **Orientation:** Can be used in both vertical and horizontal positions.
- **Rotation:** Forward and Reverse rotation capability.
- **Compatible Belt Size:** 72"-82" x 2" (1829-2083 x 51 mm).
- **Safety:** Full protective cover, adjustable eye shield, spark deflector, and heavy-duty steel base.
- **Dust Management:** Vacuum-ready dust port (4 in / 100 mm).

Included Components:

- 1 x Belt Grinder Sander
- 1 x Flat Grinding Wheel Assembly
- 1 x Arc Grinding Wheel Bracket Assembly
- 2 x Arc Grinding Wheels
- 3 x Sanding Belts (100, 180, 240 Grit)
- 1 x Guard Cover Opening Key
- 1 x User Manual (this document)

Professional Grinding Made Simple

Pro-level performance without
the pro-level cost



Image: Overview of the VEVOR Belt Grinder Sander, highlighting its 1500W high power and 600-6000 RPM speed control.



Image: The belt grinder supports circular, flat, and curved grinding modes for versatile applications.

Video: An official overview of the VEVOR Belt Grinder Sander with VFD, demonstrating its features and capabilities.

4. SETUP

Proper setup ensures safe and effective operation of your belt grinder sander.

4.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect for any shipping damage. Contact customer support immediately if damage is found.
- Verify all included components are present against the packing list.

4.2 Assembly

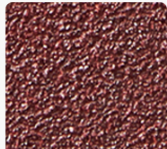
The main unit comes largely pre-assembled. Attach the flat grinding wheel assembly and arc grinding wheel bracket assembly as needed for your specific task. Ensure all fasteners are tightened securely.

4.3 Belt Installation

1. Ensure the machine is unplugged from the power source.

2. Release the belt tension mechanism (refer to the machine's specific lever or knob).
3. Slide the desired sanding belt onto the rollers, ensuring the belt's directional arrow (if present) matches the machine's rotation.
4. Re-engage the belt tension mechanism. The belt should be taut but not overly tight.
5. Use the belt tracking adjustment knob to center the belt on the rollers.

Three Grits for Every Stage



100 Grit

Remove Weld Spots
Heavy Deburring
Rough Shaping



180 Grit

Smooth Edges
Even Surface
Prep Finishing



240 Grit

Fine Smoothing
Reduce Scratches
Pre Polish

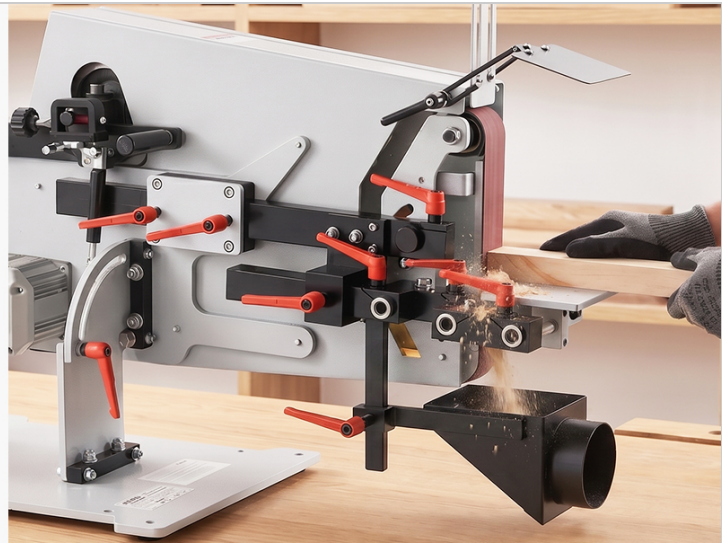


Image: The belt grinder with a sanding belt installed, illustrating the three included grit types for different stages of grinding.

Stay Guarded During Every Grind

Fully enclosed guard

blocks sparks
and debris

Dust port

controls spark direction
for secure grinding

Adjustable eye shield

protects eyes with
clear visibility

Spark deflector

directs sparks securely
away from user



Image: Detailed view of the belt tracking adjustment knob and vacuum-ready dust port, crucial for setup and operation.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your VEVOR Belt Grinder Sander.

5.1 Powering On and Speed Adjustment

1. Ensure the machine is properly set up and all safety guards are in place.
2. Plug the machine into a suitable 120V AC power outlet.
3. Turn on the main power switch.
4. Use the speed knob on the VFD control panel to adjust the belt speed. Rotate clockwise for higher RPM (up to 6000 RPM for coarse grinding) and counter-clockwise for lower RPM (down to 600 RPM for fine grinding).

5.2 Selecting Grinding Mode

The machine supports three primary grinding modes:

- **Circular Grinding:** Utilizes the contact wheel for shaping and refining curved edges.
- **Arc Grinding:** Achieved using the arc grinding wheels for specific curved profiles.
- **Flat Grinding:** Uses the flat platen for achieving smooth and even surfaces.

Adjust the machine configuration by attaching the appropriate grinding wheel assembly (flat or arc) as required for your task. The removable workbench can also be adjusted or removed for different grinding angles.

5.3 Forward and Reverse Rotation

The control panel includes a switch for selecting forward or reverse rotation. This feature provides greater flexibility for grinding different materials and achieving specific finishes. **WARNING: Always stop the machine completely before changing the running direction.**

5.4 Grinding Operation

1. Hold the workpiece firmly and present it to the moving sanding belt with controlled pressure.
2. Maintain a consistent angle and movement for even material removal.
3. Utilize the spark deflector and adjustable eye shield for protection against sparks and debris.
4. Connect a vacuum system to the dust port for effective dust collection and a cleaner workspace.

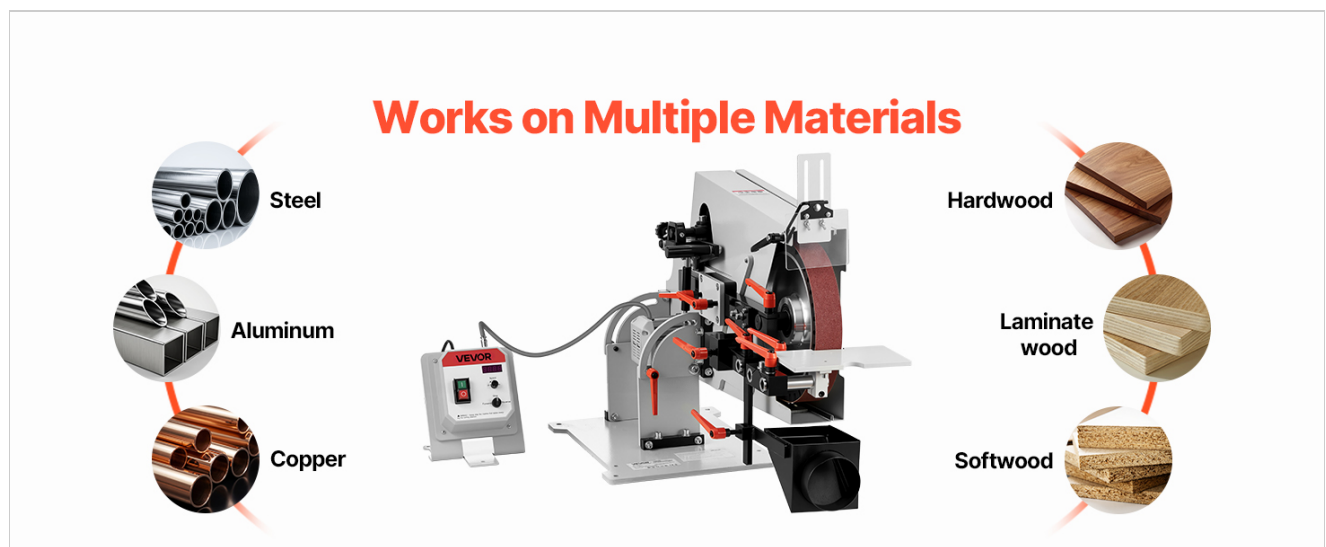
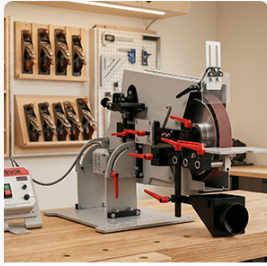


Image: The control panel allows for simple and precise speed adjustment from 600 to 6000 RPM, along with power and direction control.

Ideal for Multiple Workshops



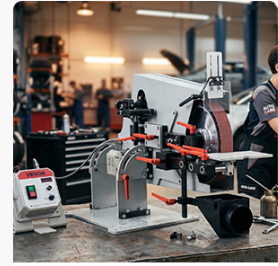
Home Garage



Professional Studios



Metalworking Shops



Industrial Workbenches

Image: The belt grinder is suitable for various tasks such as knife making, metal grinding, deburring, and surface finishing.

6. MAINTENANCE

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

6.1 Cleaning

- Always unplug the machine before cleaning.
- Use a brush or compressed air to remove dust and debris from the machine, especially around the motor and moving parts.
- Clean the adjustable eye shield and protective cover for clear visibility.
- Empty the dust collection system regularly.

6.2 Belt Replacement

Replace sanding belts when they become worn or clogged. Refer to Section 4.3 for belt installation instructions. Always use belts compatible with the machine's specifications (72"-82" x 2").

6.3 General Inspection

- Periodically check all fasteners for tightness.
- Inspect the power cord for any signs of damage.
- Ensure all moving parts operate smoothly. Lubricate as necessary according to manufacturer recommendations (if any).



Image: The integrated dust port facilitates connection to a vacuum system for efficient debris management, aiding in maintenance.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your belt grinder sander.

Problem	Possible Cause	Solution
Machine does not start	No power supply; Damaged power cord; Faulty switch	Check power connection and outlet; Inspect power cord for damage; Contact customer support if switch is faulty.
Belt slips or tracks improperly	Insufficient belt tension; Incorrect belt tracking adjustment; Worn belt	Adjust belt tension; Use the belt tracking knob to center the belt; Replace worn belt.

Problem	Possible Cause	Solution
Excessive vibration	Loose components; Unbalanced belt; Machine not on a stable surface	Check and tighten all fasteners; Replace damaged or unbalanced belt; Ensure machine is on a stable, level surface.
Poor grinding performance	Worn or clogged sanding belt; Incorrect speed setting; Inappropriate grit for task	Replace sanding belt; Adjust speed according to material and task; Use appropriate grit belt.

8. SPECIFICATIONS

Detailed technical specifications for the VEVOR Belt Grinder Sander JLD10-8.

- **Model Number:** JLD10-8
- **Rated Power:** 1500W
- **Stepless Speed Control:** 600-6000 RPM
- **Max Belt Linear Speed:** 32 m/s
- **Compatible Belt Size:** (72-82) x 2 inches (1829-2083 x 51 mm)
- **Main Material:** Steel + Aluminum + ABS
- **Item Weight:** 147.7 lbs / 72 kg
- **Product Dimensions (Round / Arc Grinding Mode):** 40.55"L x 18.11"W x 27.95"H (1030 x 460 x 710 mm)
- **Product Dimensions (Flat Grinding Mode):** 35.43"L x 18.11"W x 27.95"H (900 x 460 x 710 mm)
- **Voltage:** 120 volts_of_alternating_current
- **Amperage Capacity:** 5 A
- **Disc Diameter:** 2 inches
- **UPC:** 197988371267

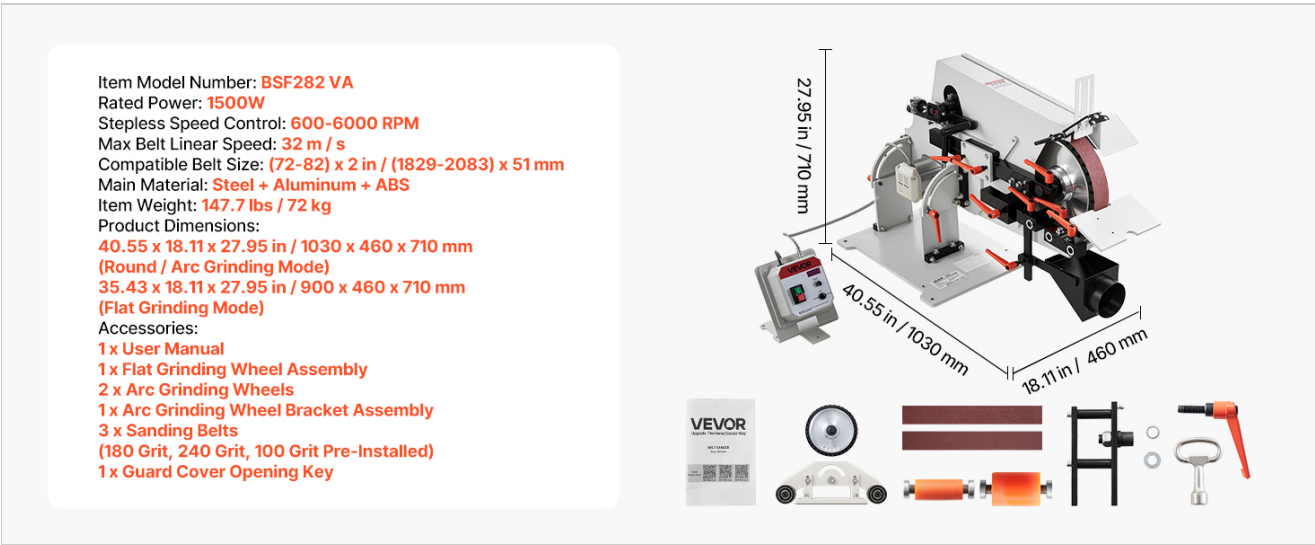


Image: Technical diagram illustrating the product dimensions and a visual representation of included accessories.

9. WARRANTY AND SUPPORT

VEVOR is committed to providing quality products and customer satisfaction.

- **Returns:** This product is eligible for 30-day easy returns. Please refer to the retailer's return policy for details.
- **Customer Support:** For technical assistance, warranty claims, or general inquiries, please contact VEVOR customer support through the official website or your purchase platform.
- **Additional Resources:** A downloadable PDF version of the user manual may be available for more detailed information. [Download User Manual \(PDF\)](#)