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› VEVOR Belt Grinder Sander JLD10-8 User Manual

VEVOR JLD10-8

VEVOR Belt Grinder Sander JLD10-8 User Manual

Model: JLD10-8 | 30 x 1-Inch Variable Speed Belt Polisher

1. IMPORTANT SAFETY INFORMATION

Please read this entire manual carefully before operating the VEVOR Belt Grinder Sander. Failure to follow these instructions may result in serious injury or property damage. Keep this manual for future reference.

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses or a face shield, hearing protection, and appropriate gloves when operating the grinder.
- **Work Area Safety:** Ensure your work area is clean, well-lit, and free from obstructions. Keep children and bystanders away from the operating machine.
- **Electrical Safety:** Connect the grinder to a properly grounded outlet. Do not operate in wet conditions. Inspect the power cord for damage before each use.
- **Secure Workpiece:** Always secure the workpiece firmly to prevent kickback or loss of control.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Unplug When Not in Use:** Disconnect the power supply before changing accessories, performing maintenance, or when the machine is unattended.



Image: VEVOR Belt Grinder Sander with included accessories and user manual.

2. PRODUCT OVERVIEW

The VEVOR Belt Grinder Sander JLD10-8 is a versatile tool designed for metalworking, knife making, and woodworking tasks. It features a powerful motor and variable speed control for precise grinding and polishing.

Key Features:

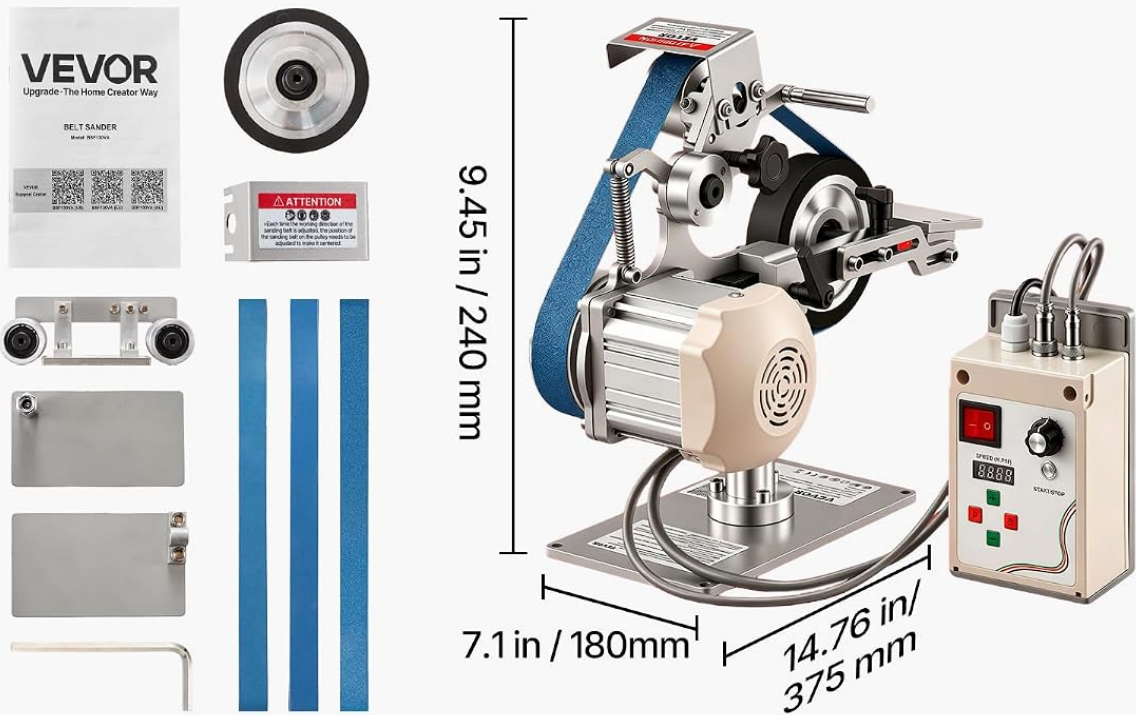
- **Powerful 550W Brushless Motor:** Delivers strong output with a belt line speed of up to 21 m/s for efficient material removal.
- **Variable Speed Control (VFD):** Stepless speed adjustment from 200-5000 RPM for high-speed grinding or low-speed precision polishing.
- **Two Grinding Modes:** Supports circular and flat grinding for enhanced flexibility.
- **Bidirectional Rotation:** Forward and reverse rotation control for greater grinding flexibility and material positioning.
- **Versatile Sanding Belts:** Includes three 30 x 1 inch sanding belts (100/180/240 grit) for various stages of grinding and polishing.



Image: The belt grinder sander in operation, demonstrating fast grinding and smooth control with sparks from metalworking.

Included Components:

- 1 x Belt Grinder Sander Unit
- 1 x Circular Grinding Wheel + Support Rod
- 1 x Controller (VFD)
- 1 x Flat Grinding Wheel and Bracket Assembly
- 1 x Guard Cover
- 1 x M6 Hex Key
- 1 x User Manual (PDF) ([Download PDF](#))
- 2 x Workbenches (Large & Small)
- 3 x Sanding Belts (100/180/240 Grit)



Item Model Number: **BSF130VA**

Rated Power: **550 W**

Stepless Speed Control: **200-5000 RPM**

Max Belt Linear Speed: **21 m / s**

Compatible Belt Size: **30 x 1 in (762 x 25.4 mm)**

Main Material: **Steel + Alusum + ABS**

Item Weight: **17.2 lbs / 7.8 kg**

Product Dimensions: **14.76 x 7.1 x 9.45 in / 375 x 180 x 240 mm**

Accessories: **1 x User Manual ; 1 x Circular Grinding Wheel + Support Rod ; 1 x Controller**

1 x Flat Grinding Wheel and Bracket Assembly ; 1 x M6 Hex Key ; 1 x Guard Cover

2 x Workbenches (Large & Small) ; 3 x Sanding Belts (100/180/240 Grit)

Image: Diagram illustrating the product dimensions and a visual list of included components.

3. SETUP

Follow these steps to set up your VEVOR Belt Grinder Sander for operation.

3.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.

2. Inspect all parts for any signs of damage during shipping. Contact customer support if any damage is found.
3. Verify that all included components listed in Section 2 are present.

3.2 Assembly

1. Place the heavy-duty steel base on a stable and level workbench.
2. Attach the main grinder unit to the base, ensuring it is securely fastened.
3. Connect the controller unit to the main grinder unit using the provided cables. Ensure connections are firm.
4. Install the desired workbench (large or small) onto the grinder. The workbenches are removable for different grinding needs.
5. Attach the guard cover for safety.

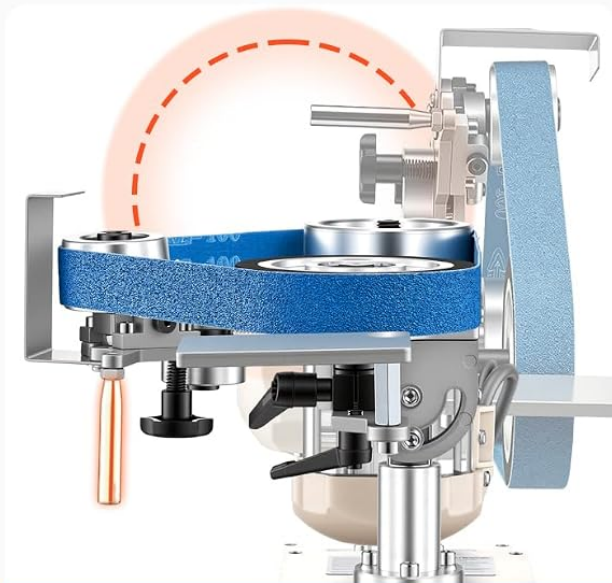
Designed for Better Control



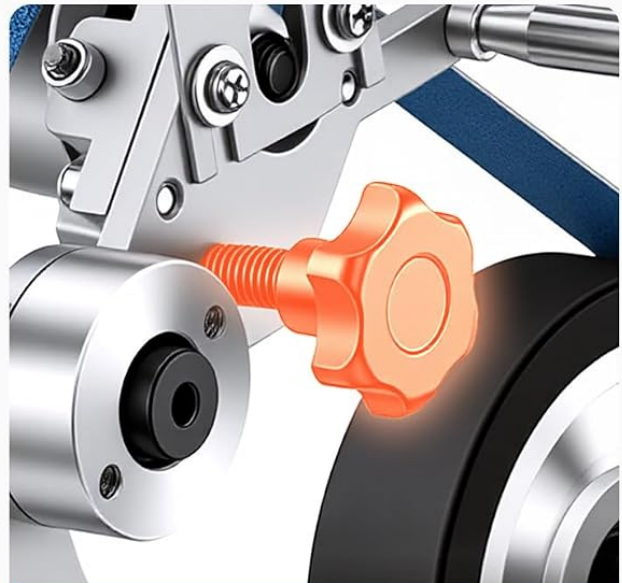
Heavy-Duty Steel Base



Removable Workbench



Vertical and Horizontal Use



Belt Tracking Adjustment Knob

Image: Detailed view of the grinder's design features, including the robust base, removable workbench, and adjustment points.

3.3 Installing a Sanding Belt

1. Ensure the grinder is unplugged from the power source.
2. Loosen the belt tensioning mechanism (refer to the diagram in the user manual for exact location).
3. Slide the desired 30 x 1 inch sanding belt over the drive wheel and idler wheels.
4. Tighten the belt tensioning mechanism until the belt is taut but not overly stretched.
5. Adjust the belt tracking knob to center the belt on the wheels. This may require minor adjustments during initial operation.

Complete Sanding Process Control

Includes **3pcs 30 × 1-inch** Sanding Belts



Image: The belt grinder with an installed belt, alongside examples of the 100, 180, and 240 grit sanding belts.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls before beginning any grinding or sanding tasks.

4.1 Control Panel Overview

Simple and Precise Control

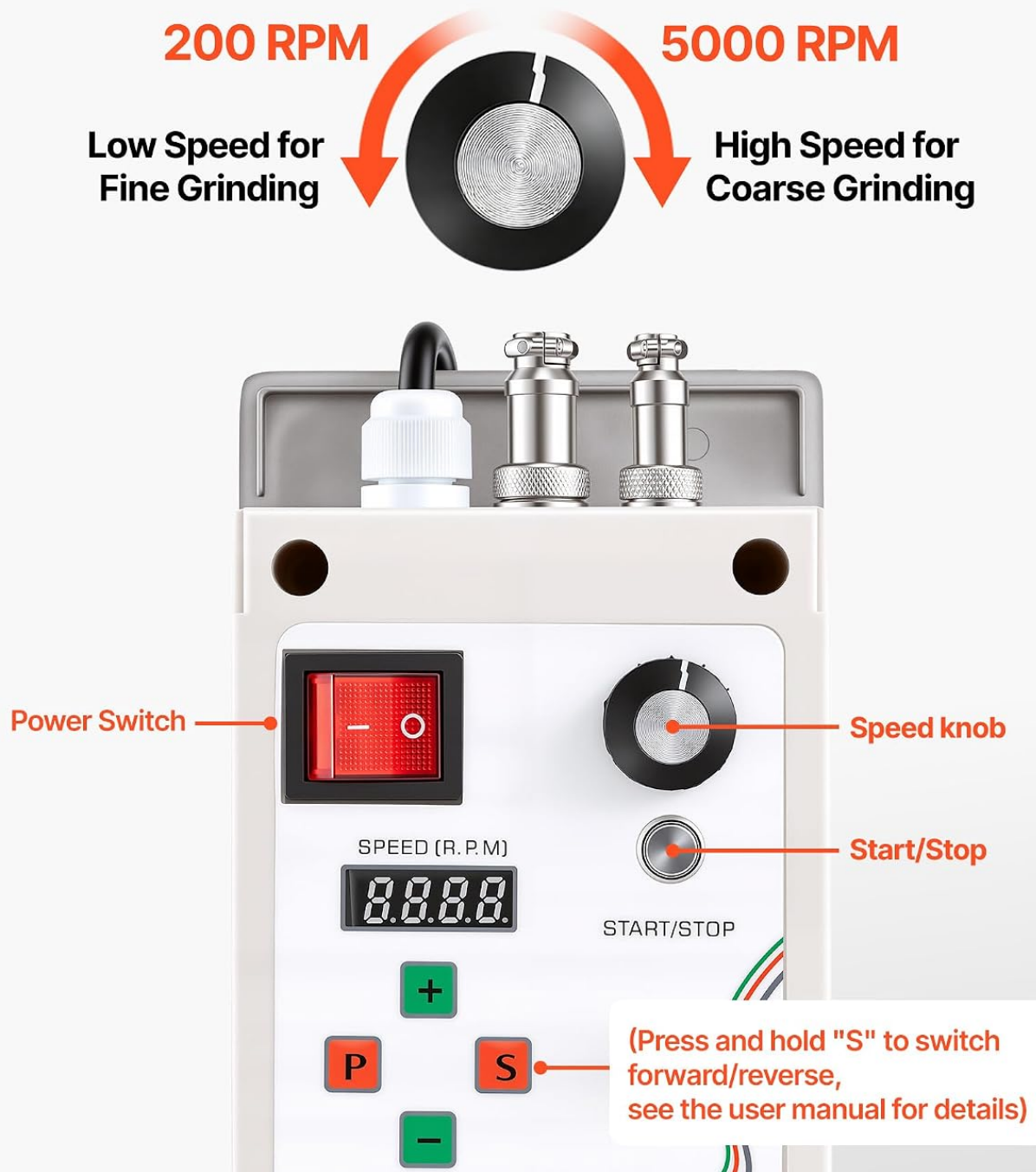


Image: The control panel, highlighting the power switch, speed knob, start/stop button, and RPM display.

- **Power Switch:** Toggles the main power to the unit.
- **Speed Knob:** Adjusts the rotational speed of the belt from 200 to 5000 RPM. Turn clockwise for higher speed, counter-clockwise for lower speed.
- **Start/Stop Button:** Initiates or halts the belt movement.
- **RPM Display:** Shows the current rotational speed.
- **Forward/Reverse Control:** Press and hold the 'S' button on the controller to switch between forward and reverse rotation.

4.2 Basic Operation

1. Ensure the power switch is in the 'OFF' position before plugging the unit into a grounded 110V power outlet.
2. Turn the power switch to 'ON'. The RPM display will illuminate.
3. Adjust the speed knob to your desired RPM. Start with a lower speed for initial adjustments or fine work, and increase for faster material removal.
4. Press the 'Start/Stop' button to begin belt movement. Observe the belt tracking and adjust with the belt tracking knob if necessary to keep the belt centered.
5. Carefully bring your workpiece into contact with the moving belt. Apply even, controlled pressure.
6. To stop operation, press the 'Start/Stop' button, then turn the power switch to 'OFF'. Unplug the unit when finished.

4.3 Grinding Modes and Applications

The grinder supports various configurations for different tasks:

- **Circular Grinding:** Use the circular grinding wheel for shaping and contouring.
- **Flat Grinding:** Utilize the flat grinding platen for achieving flat surfaces and precise angles.
- **Vertical and Horizontal Use:** The grinder can be adjusted to operate in both vertical and horizontal orientations to accommodate different workpiece sizes and grinding angles.

Versatile Grinding Needs Covered

Supports different grinding modes for more flexible use

Circular Grinding



Flat Grinding

Horizontal Grinding



Image: Examples of the grinder configured for circular, flat, and horizontal grinding tasks.

This machine is suitable for working with various materials including steel, aluminum, copper, hardwood, laminate wood, and softwood.

5. MAINTENANCE

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

5.1 Cleaning

- Always unplug the machine before cleaning.
- Use a brush or compressed air to remove dust and debris from the motor vents, belt area, and workbenches.
- Wipe down exterior surfaces with a clean, dry cloth. Do not use solvents that may damage plastic components.

5.2 Belt Replacement

Replace sanding belts when they become worn or clogged. Refer to Section 3.3 for detailed belt installation instructions.

5.3 General Inspection

- Periodically check all fasteners and bolts for tightness. Tighten as needed.
- Inspect the power cord for cuts, fraying, or other damage. Replace immediately if damaged.
- Ensure all moving parts operate smoothly. Lubricate pivot points if necessary, using a light machine oil.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact VEVOR customer support.

Problem	Possible Cause	Solution
Grinder does not start	No power supply Power switch off Faulty power cord	Check power outlet and circuit breaker Ensure power switch is ON Inspect and replace power cord if damaged
Belt slips or runs off track	Belt tension too loose Belt tracking not adjusted Worn belt	Adjust belt tensioning mechanism Adjust belt tracking knob Replace with a new sanding belt
Excessive vibration or noise	Loose components Unbalanced workpiece Worn bearings	Check and tighten all fasteners Ensure workpiece is securely held Contact customer support for service
Inconsistent speed	Controller issue Motor overload	Ensure proper voltage supply Reduce pressure on workpiece Contact customer support

7. SPECIFICATIONS

Technical specifications for the VEVOR Belt Grinder Sander JLD10-8.

Specification	Value
Model Number	JLD10-8

Specification	Value
Rated Power	550 W
Voltage	110 volts
Amperage Capacity	5 A
Stepless Speed Control	200-5000 RPM
Max Belt Linear Speed	21 m/s
Compatible Belt Size	30 x 1 inch (762 x 25.4 mm)
Main Material	Steel + Aluminum + ABS
Item Weight	17.2 lbs / 7.8 kg
Product Dimensions (L x W x H)	14.76" x 7.1" x 9.45" (375 x 180 x 240 mm)

8. WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the official VEVOR website or contact VEVOR customer service directly. Details can typically be found in the included user manual PDF or on the manufacturer's product page.

VEVOR Official Website: www.vevor.com