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› [VEVOR](#) /

› VEVOR Spiral Benchtop Jointer M1B-LS-1558 User Manual

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VEVOR Spiral Benchtop Jointer M1B-LS-1558 User Manual

Model: M1B-LS-1558

1. INTRODUCTION

Thank you for choosing the VEVOR Spiral Benchtop Jointer. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new jointer. Please read this manual thoroughly before initial use and retain it for future reference. This 6-inch benchtop jointer features a 12-blade spiral cutterhead, a 2 HP motor, and an adjustable fence, designed for precise woodworking tasks.



Figure 1: VEVOR Spiral Benchtop Jointer (Model M1B-LS-1558)

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **Read the Manual:** Understand all operating procedures and safety warnings before use.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Maintain a Clean Work Area:** Cluttered areas invite accidents. Ensure adequate lighting.
- **Keep Children and Bystanders Away:** Do not allow unauthorized persons near the jointer during operation.
- **Secure the Workpiece:** Always ensure the workpiece is properly supported and controlled.
- **Avoid Forcing the Tool:** Let the jointer work at its intended speed.
- **Unplug Before Adjustments or Maintenance:** Always disconnect the power supply before changing blades, making adjustments, or performing maintenance.
- **Use Push Blocks:** Always use push blocks when jointing small or thin workpieces to keep hands away from the cutterhead.

- **Check for Damaged Parts:** Before each use, inspect the jointer for any damaged parts. Do not operate if damaged.
- **Proper Electrical Connection:** Ensure the jointer is connected to a grounded outlet.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking. If any parts are missing or damaged, contact VEVOR customer service.

- 1 x Benchtop Jointer
- 1 x Accessory Kit
- 1 x Dust Port
- 1 x Protective Cover Set

4. PRODUCT OVERVIEW

The VEVOR Spiral Benchtop Jointer is designed for flattening and straightening wood surfaces. Key components include:

- **Spiral Cutterhead:** Equipped with 12 razor-sharp blades for smooth cuts and reduced noise.
- **Infeed/Outfeed Tables:** Cast aluminum tables provide a stable surface for workpieces.
- **Adjustable Fence:** Allows for angle adjustments up to ± 45 degrees for bevel cuts.
- **Depth Adjustment Knob:** Controls the planing depth up to 1/8 inch.
- **Dust Port:** Connects to a dust collection system for a cleaner workspace.
- **Power Switch:** On/Off control with safety features.

2 HP Powerful Motor

3 mm Maximum Cutting Depth



30% ↑
Power Increase



12000 RPM



***30% power increase compared to previous 1.5 HP model**

Figure 2: Main components of the jointer, including the cutterhead and motor assembly.

5. SETUP

Follow these steps to set up your jointer for first use.

1. **Unpacking:** Carefully remove the jointer and all accessories from the packaging. Inspect for any shipping damage.
2. **Placement:** Place the jointer on a stable, level workbench. Ensure sufficient space around the machine for safe operation

and material handling. The compact design (6 x 23 inches) is ideal for small workshops.



Figure 3: Jointer positioned on a workbench, highlighting its compact dimensions.

3. **Fence Installation:** Attach the adjustable fence to the jointer according to the instructions in the accessory kit. Ensure it is securely fastened and can be adjusted smoothly.
4. **Dust Port Connection:** Connect the provided dust port to the jointer. For optimal dust collection, connect a vacuum cleaner or dust collector (not included) to the dust port. Note that some standard shop vac hoses may require an adapter for a secure fit.



Figure 4: Dust port in operation, showing sawdust being removed from the machine.

5. **Electrical Connection:** Plug the jointer into a suitable grounded power outlet.

6. OPERATING INSTRUCTIONS

Before operating, ensure all safety precautions are understood and followed.

1. **Power On:** Press the ON button to start the jointer. The 2 HP motor will reach its operating speed of 12,000 RPM.
2. **Adjusting Planing Depth:** Use the depth adjustment knob to set the desired planing depth. The jointer can achieve cuts from 0 to 1/8 inch. For best results and to avoid overloading the motor, take shallow passes, especially with hardwoods.



Figure 5: Detail of the depth adjustment mechanism, showing settings from 0 to 1/8 inch.

3. **Adjusting Fence Angle:** Loosen the fence locking knob and tilt the fence to the desired angle for bevel cuts. The fence can be adjusted up to ± 45 degrees. Tighten the locking knob securely before operation.



Figure 6: Demonstrating the fence's ability to adjust for 90-degree and 45-degree (135-degree from table) bevel cuts.

4. Feeding Material:

- Place the workpiece flat on the infeed table, against the fence.
- Using push blocks, slowly and steadily feed the workpiece over the cutterhead.
- Maintain constant pressure against the fence and down onto the tables.
- Do not force the material. Allow the cutterhead to do the work.

5. **Power Off:** Once jointing is complete, press the OFF button and wait for the cutterhead to stop completely before leaving the machine.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your jointer. Always unplug the machine before performing any maintenance.

- **Cleaning:** After each use, clear all sawdust and chips from the tables, fence, and cutterhead area. Use a brush or compressed air. Ensure the dust port is clear.
- **Cutterhead Blade Replacement:** The spiral cutterhead features 12 individual blades. If a blade becomes dull or damaged, it can be rotated to expose a new cutting edge or replaced individually. Refer to the accessory kit instructions for detailed

blade replacement procedures.



Figure 7: Detail of the spiral cutterhead, highlighting its individual blades and features.

- **Table Waxing:** Periodically apply a non-silicone paste wax to the cast aluminum tables to reduce friction and prevent rust.
- **Inspection:** Regularly check all nuts, bolts, and screws for tightness. Inspect the power cord for damage.

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Jointer does not start.	No power supply; tripped circuit breaker; faulty switch.	Check power cord connection and outlet. Reset circuit breaker. Contact service if switch is faulty.
Rough or uneven cuts.	Dull or damaged blades; incorrect depth setting; improper feeding technique; misaligned tables.	Rotate or replace cutterhead blades. Adjust depth setting. Ensure consistent feed rate and pressure. Check table alignment.
Excessive vibration or noise.	Loose components; unbalanced cutterhead; worn bearings.	Tighten all fasteners. Inspect cutterhead for damage. Contact service if bearings are suspected.
Dust port clogs frequently.	Insufficient dust collection power; dust port obstruction.	Ensure dust collector is adequately powered. Clear any blockages in the dust port or hose.

9. SPECIFICATIONS

Technical specifications for the VEVOR Spiral Benchtop Jointer M1B-LS-1558.

Feature	Detail
Model Number	M1B-LS-1558
Max Speed	12,000 RPM
Max Planing Depth	1/8 inch (3 mm)

Feature	Detail
Worktable Length	23 inches (585 mm)
Worktable Width	6 inches (152 mm)
Fence Length	14.2 inches (360 mm)
Fence Width	2.5 inches (63.7 mm)
Number of Blades	12 (Spiral Cutterhead)
Horsepower	2 HP
Net Weight (with accessories)	21.2 lbs (9.6 kg)
Product Dimensions (L x W x H)	22.8 x 13 x 11.8 inches (580 x 330 x 300 mm)
Material	Aluminum
Power Source	AC/DC



Figure 8: Visual representation of jointer dimensions and key specifications.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact VEVOR customer service.
Visit the official VEVOR website for contact details and further assistance:www.vevor.com

