VEVOR 1

VEVOR Power Benchtop Planer User Manual

Model: 13inch (Model No. 1)
Brand: VEVOR

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your VEVOR Power Benchtop Planer. This three-blade, two-speed thickness planer is designed for material removal from both hard and soft wood, featuring a 13-inch wide worktable and extended infeeding table for enhanced support.

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 instructions and warnings before operation.
- **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.
- **Work Area:** Keep the work area clean, well-lit, and free from obstructions. Ensure adequate ventilation, especially when generating significant dust.
- **Electrical Safety:** Ensure the power supply matches the tool's requirements. Do not operate in damp or wet conditions. Disconnect power before making adjustments or maintenance.
- **Material Handling:** Securely support long workpieces. Never feed material with foreign objects (nails, screws) as this can damage blades and cause kickback.
- **Overload Protection:** The built-in 20A over-current protector will automatically cut off power if overloaded. Allow the motor to cool before resetting.
- **Dust Collection:** Connect to a vacuum system to minimize airborne dust and keep the machine clean.

3. Setup

Before first use, ensure the planer is properly assembled and inspected.

3.1 Unpacking and Inspection

Carefully remove all components from the packaging. Inspect for any shipping damage. Report any damage immediately to the supplier.

3.2 Assembly

- **Attach Handles:** Secure the two handles on the sides of the planer for easy portability.
- **Install Crank Handle:** Attach the crank handle to the top adjustment mechanism. This is used to adjust the cutting height.
- **Adjust Infeeding/Outfeeding Tables:** Ensure the extended infeeding and outfeeding tables are properly aligned and secured. These tables provide crucial support for longer workpieces.



Figure 1: VEVOR Power Benchtop Planer with extended infeeding and outfeeding tables. These tables provide essential support for long workpieces, ensuring stable and accurate planing.

4. Operating Instructions

4.1 Powering On and Off

To power on the planer, ensure the safety key is inserted and turn the main power switch to the 'ON' position. To power off, turn the switch to 'OFF' or press the emergency stop button.

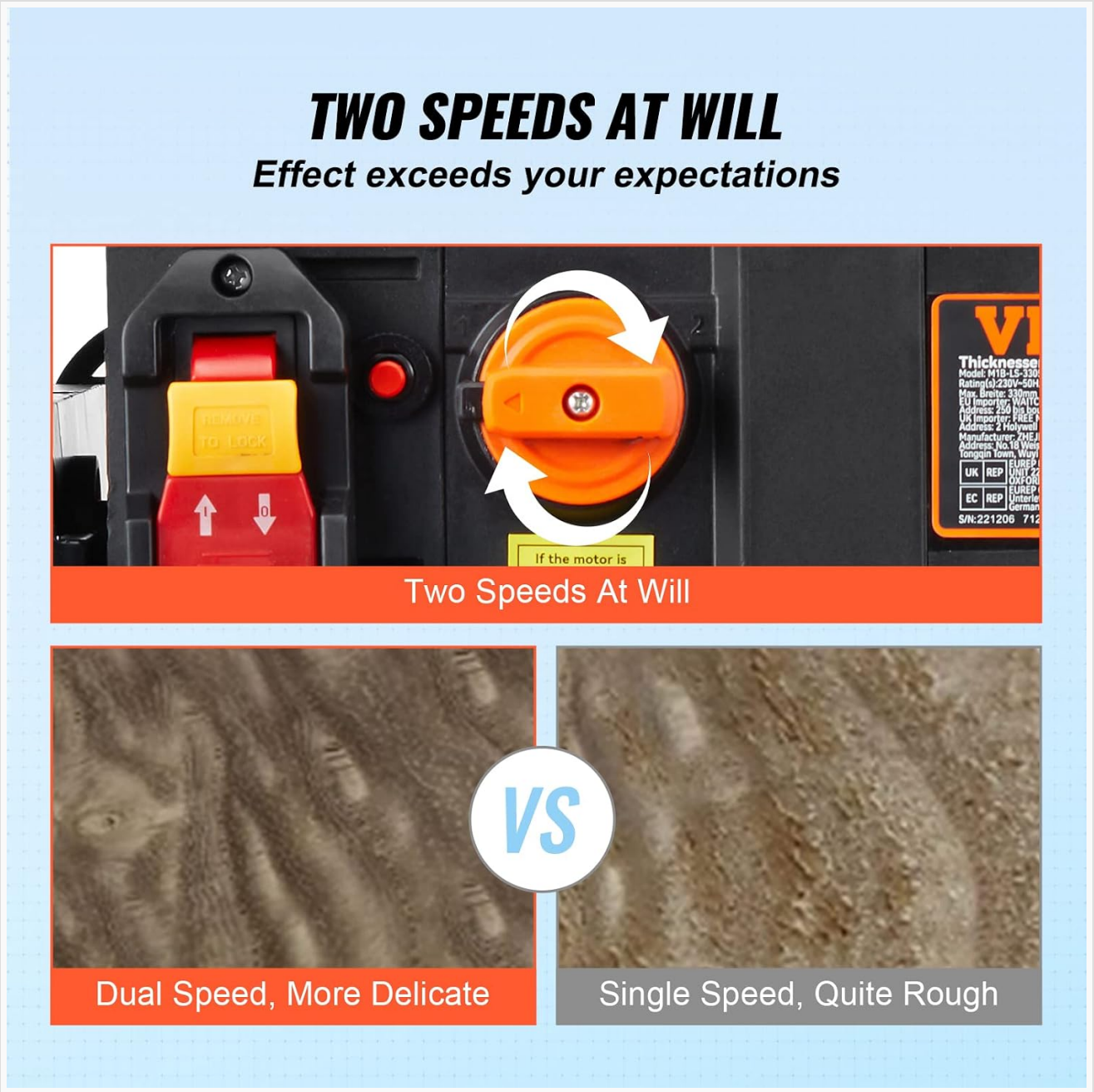


Figure 2: Control panel showing the power switch (red/yellow) and the two-speed selector (orange dial). The safety key must be inserted for operation.

4.2 Adjusting Cutting Depth and Speed

The planer features an adjustable height mechanism and two speed settings for versatile planing.

- **Height Adjustment:** Use the crank handle on top to raise or lower the cutter head. The material removal gauge on the side indicates the current cutting depth.
- **Speed Selection:** Choose between two speeds: 24 f/m for quick material removal or 15 f/m for a smoother finish on delicate or figured stock. The orange dial on the control panel selects the speed.



Figure 3: The 13-inch widened worktable accommodates large pieces. The height adjustment scale on the right allows for precise control over cutting depth.



Figure 4: Visual comparison demonstrating the smoother finish achieved with dual-speed planing compared to a rougher single-speed result.

4.3 Feeding Material

Feed the workpiece into the planer with the grain. Ensure the board is flat and free of warps to prevent kickback and ensure an even cut. Do not force the material through the planer.

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Video 1: This video demonstrates the VEVOR Power Benchtop Planer in operation, showcasing its dual-speed functionality and adjustable height for precise material removal. It highlights the smooth planing effect and the efficient chip removal system.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your planer.

5.1 Cleaning

After each use, disconnect the power and clean the machine. Remove sawdust and chips from the cutter head area, feed rollers, and tables. A vacuum cleaner connected to the dust port is highly recommended.



Figure 5: The planer features a vacuum port for convenient dust collection, minimizing debris and keeping the work area clean. Proper dust collection is crucial for machine longevity and user safety.

5.2 Blade Replacement

The planer uses a high-precision three-knife cutter head. Blades should be replaced when they become dull or damaged to maintain cutting quality.

- **Safety First:** Always disconnect power before attempting blade replacement. Wear protective gloves.
- **Access Blades:** Refer to the detailed instructions in the PDF user manual for specific steps on accessing and removing the blades.
- **Install New Blades:** Ensure new blades are properly seated and tightened. Incorrect installation can lead to uneven cuts or blade ejection.



Figure 6: The planer utilizes a high-precision three-knife cutter system. These blades are designed for durability and can be easily replaced when needed.

6. Troubleshooting

This section addresses common issues you might encounter with your planer.

Problem	Possible Cause	Solution
Planer does not start	No power, safety key not inserted, overload protector tripped.	Check power connection, insert safety key, reset overload protector after cooling.
Uneven cuts or rough finish	Dull/damaged blades, improper height adjustment, warped workpiece, incorrect feed speed.	Replace blades, adjust height precisely, ensure workpiece is flat, use slower speed for fine finish.

Problem	Possible Cause	Solution
Material not feeding	Feed rollers clogged with sawdust, feed rollers worn, material too thick.	Clean feed rollers, inspect for wear, reduce cutting depth.
Excessive dust/chips	Dust collection system not connected or clogged.	Connect to a shop vac/dust collector, clear any blockages in the dust port.

7. Specifications

Feature	Specification
Brand	VEVOR
Model	13inch (Model No. 1)
Power Source	AC
Motor Power	2000W (15 Amps)
Maximum Rotational Speed	23500 RPM
Cutting Width	13 Inches
Max Cutting Depth	0.3 Centimeters (1/8 inch)
Max Cutting Thickness	6 Inches
Feeding Speed	24 f/m (236 in/min) or 15 f/m (6 m/min)
Knife Cutter Quantity	Three
Item Weight	62 Pounds (28 kg)
Product Dimensions (L x W x H)	27.4" x 20.7" x 18.9" (69.6cm x 52.5cm x 48cm)

8. Warranty and Support

For warranty information, technical support, or to purchase replacement parts, please refer to the official VEVOR website or contact their customer service directly. A PDF user manual is also available for download from the product page on Amazon.

User Manual (PDF): Download Here

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