

NovelLife B0BKZRD2P7

NovelLife Mini Precision Benchtop Drill Press User Manual

Model: B0BKZRD2P7

1. INTRODUCTION

Thank you for choosing the NovelLife Mini Precision Benchtop Drill Press. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your new tool. Please read this manual thoroughly before initial use and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment, including safety glasses, during operation.
- Ensure the drill press is placed on a stable, level surface to prevent tipping.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate the drill press in damp or wet conditions.
- Keep children and bystanders away while operating the tool.
- Securely clamp your workpiece before drilling to prevent movement and potential injury.
- Disconnect power before changing drill bits, performing maintenance, or when the tool is not in use.
- Use only drill bits appropriate for the material being drilled and within the chuck's capacity (0.6-6mm).
- Avoid forcing the drill. Allow the tool to work at its own pace.
- Do not wear loose clothing, gloves, or jewelry that could get caught in moving parts.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the parts of your NovelLife Mini Precision Benchtop Drill Press:

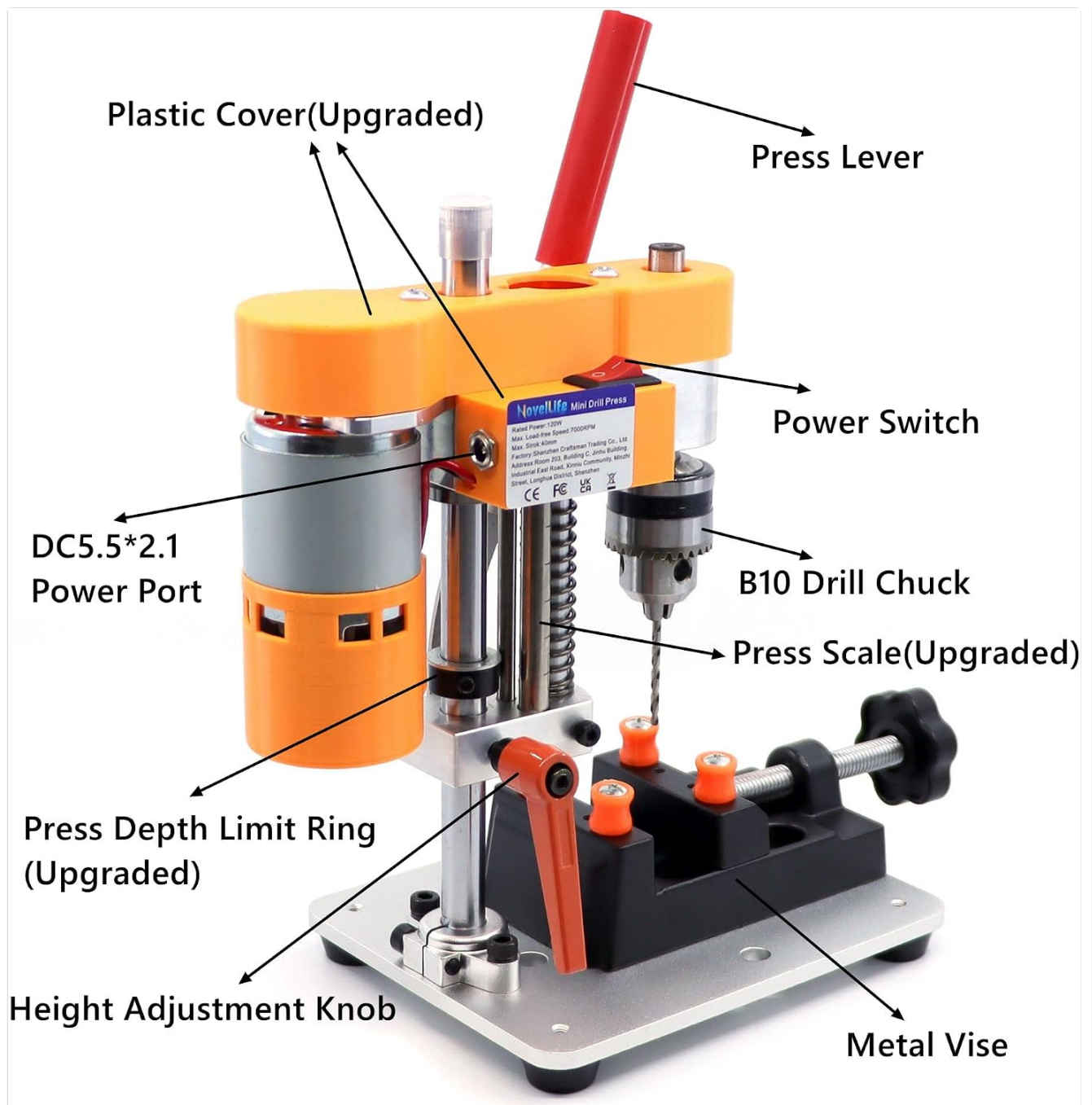
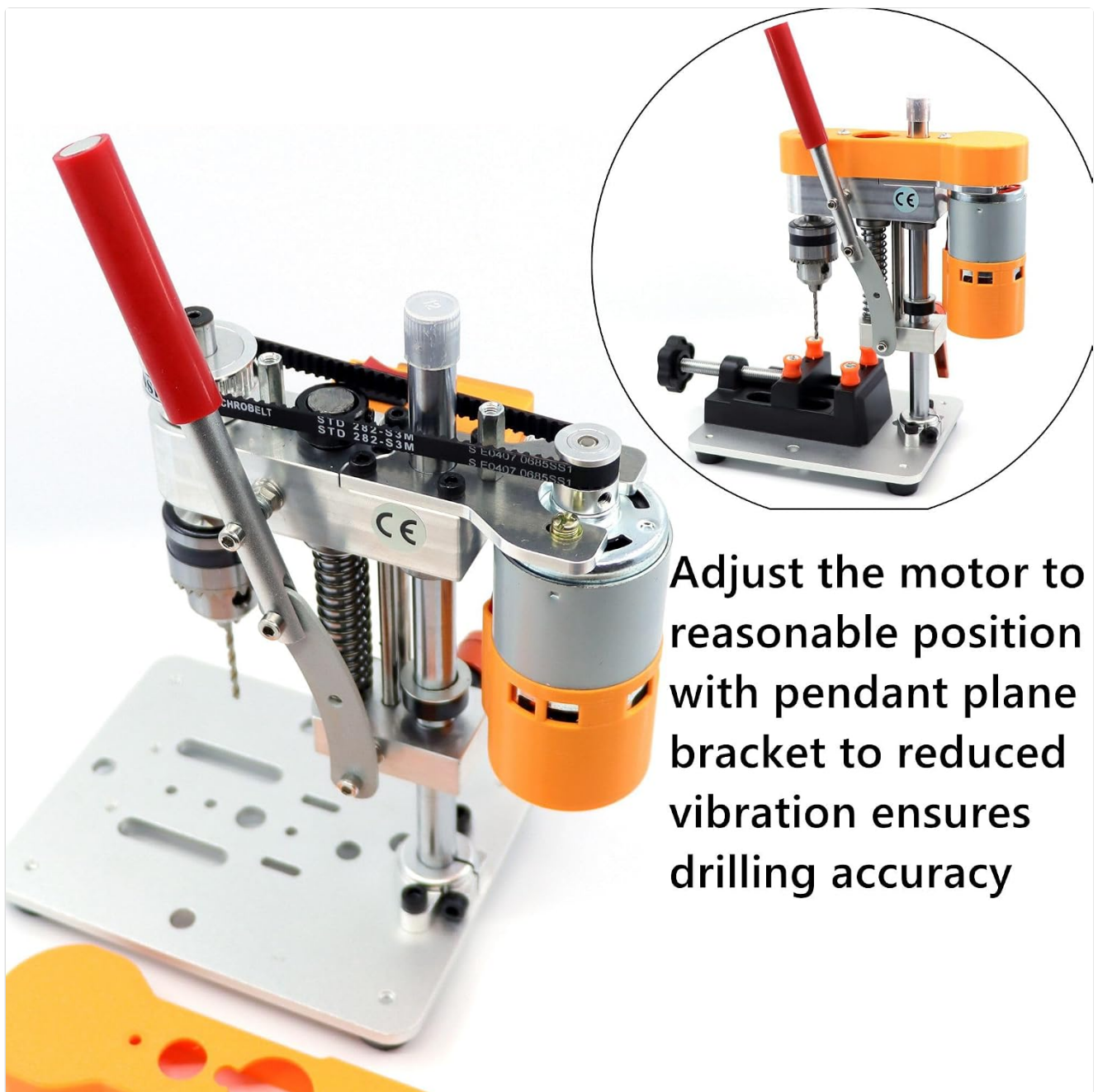


Figure 3.1: Labeled components of the NovellLife Mini Precision Benchtop Drill Press. Key parts include the Press Lever, Power Switch, B10 Drill Chuck, Press Scale, Press Depth Limit Ring, Height Adjustment Knob, and Metal Vise.

The drill press features a solid metal structure with 3 metal axes and 2 linear bearings for enhanced drilling accuracy. The motor is positioned to reduce vibration.



Figure 3.2: Detail view highlighting the 3 metal axes, 2 linear bearings, and the B10 drill chuck, compatible with 0.6-6mm twist drill bits.



Adjust the motor to reasonable position with pendant plane bracket to reduced vibration ensures drilling accuracy

Figure 3.3: The motor is strategically positioned with a pendant plane bracket to minimize vibration and ensure drilling accuracy.

4. SETUP

4.1 Unpacking and Inspection

Carefully remove all components from the packaging. Inspect for any damage that may have occurred during shipping. If any parts are damaged or missing, contact Novellife customer support.

4.2 Assembly

The Novellife Mini Precision Benchtop Drill Press typically comes pre-assembled. Ensure all screws and fasteners are tight before use. The included Allen wrench set can be used for any minor adjustments.

4.3 Securing the Drill Press

Place the drill press on a sturdy, level workbench. The base is equipped with anti-slip rubber pads for stability. For additional security, the base features expansion slots (4x20mm and 5.5x40mm) that allow you to bolt the unit down

or attach accessories like a CNC sliding table.

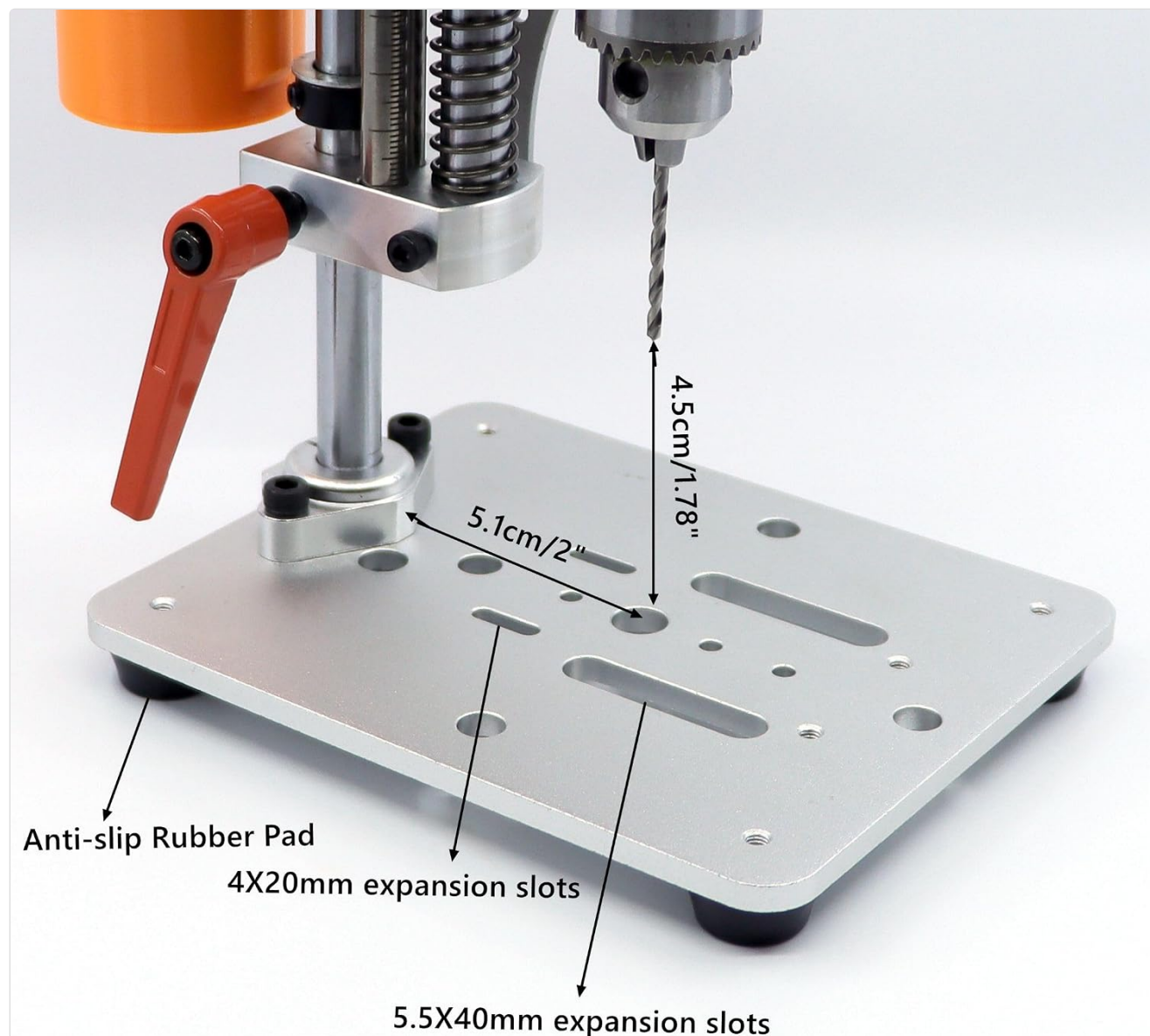


Figure 4.1: The drill press base with anti-slip rubber pads and various expansion slots for mounting or accessories.

4.4 Power Connection

Connect the 24V adjustable power supply to the DC5.5*2.1 power port on the drill press. Plug the power supply into a standard electrical outlet. The power supply allows for speed regulation.



Figure 4.2: The complete package, including the drill press, 24V adjustable power supply, metal flat vise, HSS drill bits, and Allen wrenches.

5. OPERATING INSTRUCTIONS

5.1 Installing a Drill Bit

1. Ensure the drill press is unplugged.
2. Loosen the B10 drill chuck jaws using the chuck key.
3. Insert the desired HSS drill bit (compatible with 0.6-6mm) into the chuck, ensuring it is seated firmly and centered.
4. Tighten the chuck jaws securely with the chuck key.

5.2 Adjusting Height and Depth

- Use the **Height Adjustment Knob** to raise or lower the drill head assembly to the desired working height. Tighten the knob to secure the position.
- The **Press Depth Limit Ring** can be set to control the maximum drilling depth. Adjust it to prevent drilling

deeper than intended. The integrated press scale provides visual feedback on drilling depth.

5.3 Securing the Workpiece

Always secure your workpiece using the included metal flat vise or other appropriate clamping methods. The metal flat vise supports a maximum clamping width of 2 inches and includes two types of clamping pillars for versatility.

Metal Flat Vise with Two Type Clamping Pillar



Include High Quality 1mm-3mm HSS Drill Bit Set

Figure 5.1: The included metal flat vise with two types of clamping pillars and a set of high-quality 1mm-3mm HSS drill bits.

5.4 Adjusting Speed

The 24V adjustable power supply allows you to regulate the motor speed. Turn the knob on the power supply to

increase or decrease the rotational speed of the drill bit, up to a maximum of 7000 RPM. Select a speed appropriate for the material and drill bit size.

5.5 Drilling Operation

1. Ensure the workpiece is securely clamped and the drill bit is properly installed.
2. Turn on the drill press using the **Power Switch**.
3. Slowly lower the drill bit into the workpiece using the **Press Lever**. The metal handle supports pressing in two directions (front and back) for user comfort.
4. Apply steady, even pressure. Do not force the drill.
5. Once the desired depth is reached, retract the drill bit from the workpiece.
6. Turn off the drill press.

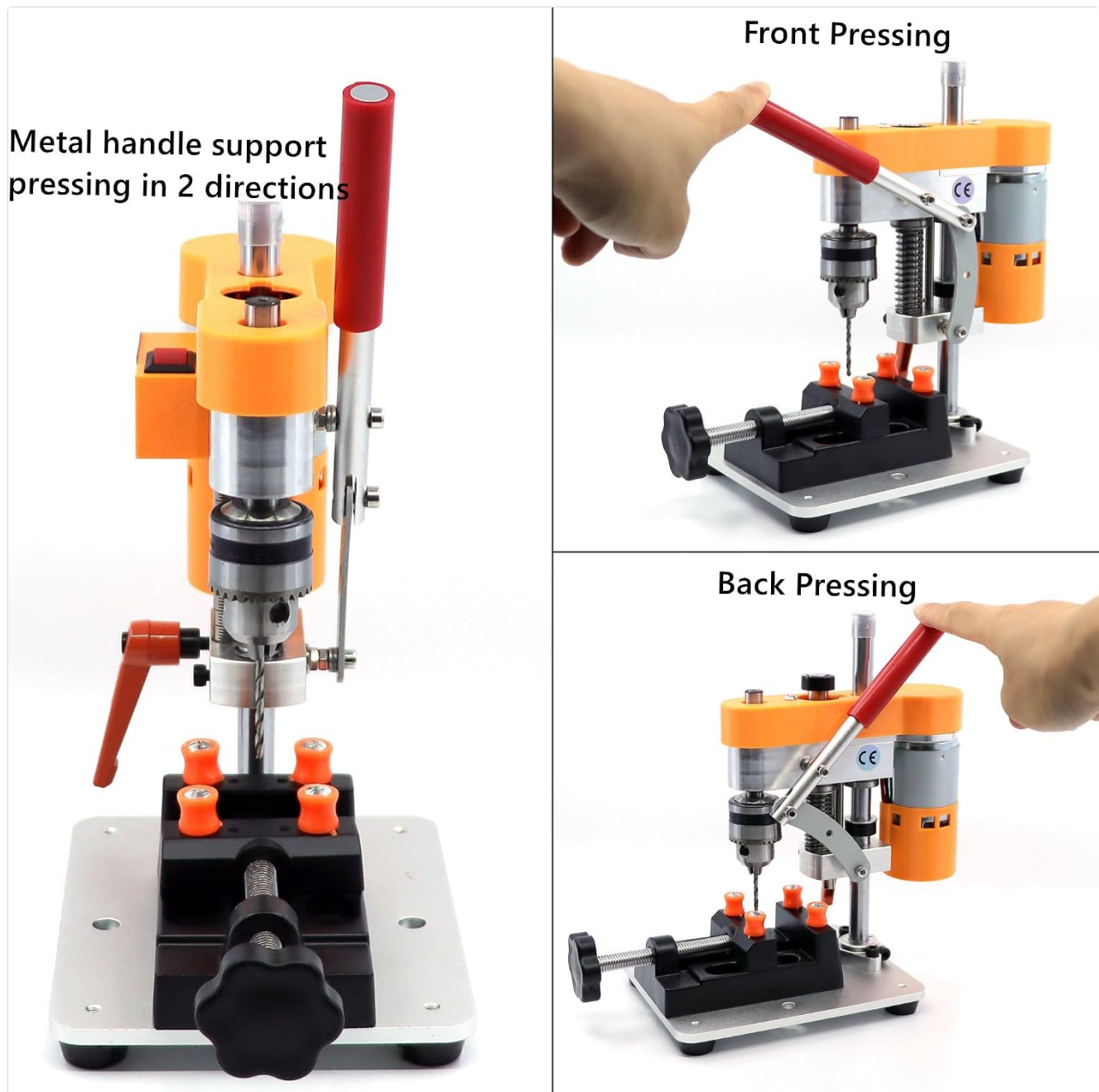


Figure 5.2: The metal handle allows for comfortable pressing in both front and back directions during drilling operations.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect the power supply before cleaning.
- Regularly clean dust and debris from the drill press, especially around the chuck, motor, and moving parts. Use a brush or compressed air.
- Wipe down surfaces with a clean, dry cloth. Do not use harsh chemicals or solvents.

6.2 Lubrication

Periodically apply a light machine oil to the vertical shaft and other moving metal parts to ensure smooth operation and prevent rust.

6.3 Storage

Store the drill press in a clean, dry environment away from direct sunlight and extreme temperatures. Keep it out of reach of children.

7. TROUBLESHOOTING

- **Drill Press does not turn on:**
 - Check if the power supply is properly connected to both the drill press and the electrical outlet.
 - Ensure the power switch is in the 'ON' position.
 - Verify the electrical outlet is functional.
- **Excessive vibration or wobble:**
 - Ensure the drill bit is correctly installed and tightened in the chuck.
 - Check if the drill bit is bent or damaged; replace if necessary.
 - Verify that the drill press is on a stable surface and all assembly screws are tight.
- **Drill bit not cutting effectively:**
 - Ensure the drill bit is sharp. Replace dull bits.
 - Verify that the correct drill bit type is being used for the material.
 - Adjust the speed setting on the power supply to match the material.
 - Apply appropriate, steady pressure.
- **Workpiece moves during drilling:**
 - Always ensure the workpiece is securely clamped using the metal flat vise or other clamping devices.

8. SPECIFICATIONS

Feature	Specification
Brand	NovellLife
Model Number	B0BKZRD2P7
Power Source	Corded Electric

Feature	Specification
Maximum Rotational Speed	7000 RPM
Voltage	24 Volts (DC)
Amperage	5 Amps
Maximum Chuck Size	6 Millimeters
Color	Silver
Included Components	1X Mini Drill Press Machine, 1X Metal Flat Vise, 1X 24V Adjustable Power Supply, 1X HSS Drilling Bit, 1X Allen Wrench Set
Special Feature	Variable Speed
Product Dimensions	5.9"L x 4.7"W x 8.7"H
Material	Metal
Item Weight	2.2 Kilograms (4.84 pounds)
Maximum Power	120 Watts
Drilling Capacity (Wood)	6 Millimeters
Drilling Capacity (Metal)	6 Millimeters
UPC	618202894626

22.5cm/8.86"



15cm/5.91"

12cm/4.72"

Figure 8.1: Product dimensions: 22.5cm (8.86") height, 15cm (5.91") base width, 12cm (4.72") base depth.

9. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your NovellLife Mini Precision Benchtop Drill Press, please contact NovellLife customer support through the retailer where the product was purchased.

10. PRODUCT VIDEOS

No official product videos from the seller were available for embedding based on the provided data. Please refer to the product listing page for any available video content.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question