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› pealiritansemen 1200W Electric Rebar Bender B-25 User Manual

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Model: B-25

1. INTRODUCTION

Thank you for choosing the pealiritansemen 1200W Electric Rebar Bender B-25. This handheld hydraulic steel bar bending and straightening machine is designed for efficient and precise work on construction sites, railway projects, bridge construction, and factory workshops. It is capable of bending and straightening various types of steel bars, including rebar, round steel, screw rods, and steel pillars, with a bending range of 16-25 mm.

This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your new rebar bender. Please read it thoroughly before use to ensure proper function and to prevent injury or damage to the equipment.



Figure 1.1: Overall view of the pealiritansemen 1200W Electric Rebar Bender B-25.

2. SAFETY INSTRUCTIONS

Always follow these safety precautions to reduce the risk of injury or damage:

- **Read the Manual:** Understand all instructions and warnings before operating the machine.
- **Personal Protective Equipment (PPE):** Always wear safety glasses, gloves, and appropriate work clothing. Steel-toed boots are recommended.
- **Work Area:** Ensure the work area is clean, well-lit, and free from obstructions. Keep bystanders away.
- **Electrical Safety:** Connect the machine to a properly grounded power outlet. Do not operate in wet conditions. Inspect the power cord for damage before each use.
- **Secure Workpiece:** Ensure the steel bar is properly secured before bending or straightening to prevent unexpected movement.
- **Machine Stability:** Operate the machine on a stable, level surface or ensure a firm grip when handheld.

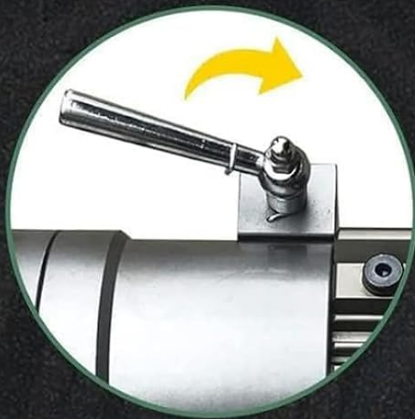
- **Avoid Overloading:** Do not attempt to bend or straighten steel bars outside the specified diameter range (16-25 mm for Model B-25).
- **Maintenance:** Disconnect power before performing any maintenance or adjustments.
- **Children and Unauthorized Personnel:** Keep children and unauthorized individuals away from the machine.

3. PRODUCT OVERVIEW

The pealiritansemen Electric Rebar Bender B-25 is a robust tool designed for versatility and performance. Key features include:

- **1200W Pure Copper Motor:** Provides strong and stable power for efficient bending and straightening.
- **Dual Functionality:** Equipped with interchangeable modules for both bending and straightening steel bars.
- **One-Button Operation:** Simple and intuitive control for ease of use.
- **Pressure Relief Valve:** Allows for precise control and safe resetting of the bending block.
- **Durable Construction:** Features an anti-corrosion body, steel bending head frame, and precision oil cylinder for extended service life.
- **Efficient Cooling:** Three-dimensional cooling system ensures optimal performance and prevents overheating.

PRESSURE RELIEF VALVE



**RELEASE PRESSURE AFTER BENDING
PISTON RETURNS TO ITS ORIGINAL POSITION**



Figure 3.1: Illustration of the pure copper core motor, providing stable and strong power.

Multi -Scenario Appropriatea



Figure 3.2: The 1200W Electric Rebar Bender, capable of bending 8-25 mm threaded steel bars and includes a straightening module.

4. SPECIFICATIONS

Refer to the table below for detailed technical specifications of the B-25 model:

Specification	Value (Model B-25)
Power	1200 W
Bending Range	16-25 mm
Bending Angle	0-90°
Bending Speed	4-7 seconds
Net Weight	16 kg (approx. 35.3 lbs)

Specification	Value (Model B-25)
Gross Weight	22 kg (approx. 48.5 lbs)
Overall Dimensions	58 x 23 x 22 cm (L x W x H)
Applicable Steel Types	Carbon steel, Low-carbon steel, Round steel, Threaded steel bars



Figure 4.1: The machine is compatible with various steel bar types, including carbon steel, low-carbon steel, round steel, and threaded steel bars.

5. SETUP

Before operating the rebar bender, follow these setup steps:

1. **Unpacking:** Carefully remove the machine and all accessories from the packaging. Inspect for any shipping damage.

2. **Module Installation:** The machine comes with both bending and straightening modules. Determine which function you need and install the appropriate module. To change modules, ensure the machine is unplugged. Loosen any retaining bolts, remove the current module, and securely attach the desired module.
3. **Power Connection:** Connect the power cord to a suitable 1200W, 110V (or appropriate local voltage) grounded power outlet. Ensure the power switch on the machine is in the OFF position before plugging in.
4. **Workpiece Preparation:** Measure and mark the steel bar according to your project requirements. Ensure the bar is clean and free of debris.

6. OPERATING INSTRUCTIONS

6.1. Bending Steel Bars

1. **Position the Steel Bar:** Place the steel bar into the bending mechanism, ensuring it is firmly seated against the bending pins and the desired bending point is aligned.
2. **Activate Bending:** Press and hold the power switch. The bending block will begin to push forward, applying pressure to the steel bar.
3. **Monitor Bending Angle:** Continuously observe the bending process. The machine can bend steel bars up to 90 degrees.
4. **Release Pressure:** Once the desired bending angle is achieved, release the power switch. Then, flip the pressure relief valve switch to its open position. This will cause the bending block to retract to its original position.
5. **Remove Bent Bar:** Carefully remove the bent steel bar from the machine.

Pure Copper Core Motor

Professional steel processing machine, pure copper core, stable output, strong power



Figure 6.1: Close-up view of the bending mechanism, showing where the rebar is placed.

Compatible with Multiple Steel Bars



Carbon steel



Low-carbon steel



Round steel



Threaded steel bars

Figure 6.2: The pressure relief valve, used to release pressure and reset the bending piston after operation.

6.2. Straightening Steel Bars

1. **Install Straightening Module:** Ensure the straightening module is correctly installed on the machine.
2. **Position the Steel Bar:** Insert the bent section of the steel bar into the straightening mechanism.
3. **Activate Straightening:** Press and hold the power switch. The hydraulic piston will apply pressure to straighten the bar.
4. **Monitor Straightening:** Observe the bar as it straightens. Release the switch when the desired straightness is achieved.
5. **Release Pressure:** Flip the pressure relief valve switch to retract the piston.
6. **Remove Straightened Bar:** Carefully remove the straightened steel bar.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your rebar bender:

- **Cleaning:** After each use, clean the machine to remove any steel dust or debris. Use a dry cloth or compressed air.
- **Lubrication:** Periodically apply a small amount of hydraulic oil to moving parts and pivot points to ensure smooth operation. Refer to the machine's specific lubrication points.
- **Hydraulic Fluid Check:** Check the hydraulic fluid level regularly. If low, refill with the recommended hydraulic fluid. Consult a qualified technician if unsure.
- **Inspect Power Cord:** Regularly inspect the power cord for cuts, fraying, or other damage. Replace immediately if damaged.
- **Storage:** Store the machine in a dry, clean, and secure location away from direct sunlight and extreme temperatures.
- **Module Inspection:** Check bending and straightening modules for wear or damage. Replace worn parts as necessary.

8. TROUBLESHOOTING

If you encounter issues with your rebar bender, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Machine does not power on	No power supply; Damaged power cord; Faulty switch	Check power outlet and circuit breaker; Inspect and replace power cord; Contact customer support for switch replacement.
Bending block does not move or moves slowly	Low hydraulic fluid; Air in hydraulic system; Overload; Worn pump	Check and refill hydraulic fluid; Bleed air from the system (consult technician); Ensure steel bar is within specified range; Contact customer support.
Bending block does not retract	Pressure relief valve stuck; Obstruction	Ensure pressure relief valve is fully open; Check for and remove any obstructions.
Excessive noise during operation	Low hydraulic fluid; Loose components; Motor issue	Check and refill hydraulic fluid; Tighten any loose bolts; Contact customer support.

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY AND SUPPORT

Specific warranty information for the pealiritansemen 1200W Electric Rebar Bender B-25 is not available in the provided product data. Please refer to the product packaging or contact your retailer or the manufacturer directly for warranty details and customer support.

For technical assistance, spare parts, or service inquiries, please reach out to the pealiritansemen customer service department through the contact information provided at the point of purchase or on the official brand website.

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

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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