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VEVOR PM1800

VEVOR Continuous Bag Band Sealing Machine PM1800 User Manual

Model: PM1800

1. Introduction

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your VEVOR Continuous Bag Band Sealing Machine, Model PM1800. This machine is designed for continuous heat sealing of various plastic bags, offering adjustable temperature and speed, along with integrated ink printing capabilities.

2. Safety Instructions

Please read all safety instructions carefully before operating the machine to prevent injury and damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure the machine is connected to a grounded power outlet with the correct voltage. Do not operate with wet hands or in damp environments. Disconnect power before cleaning or maintenance.
- **Moving Parts:** Keep hands, hair, and loose clothing away from moving parts, such as conveyor belts and sealing rollers, during operation.
- **Heat Hazard:** The sealing bars become very hot during operation. Avoid direct contact to prevent burns. Allow the machine to cool down before handling heat-sensitive components.
- **Ventilation:** Ensure adequate ventilation around the machine to prevent overheating.
- **Ink Cartridge:** Handle ink cartridges carefully. Avoid contact with skin and eyes. Refer to the ink cartridge manufacturer's safety data sheet.
- **Children and Pets:** Keep children and pets away from the machine at all times.
- **Emergency Stop:** Familiarize yourself with the location and operation of the emergency stop button.

3. Package Contents

Verify that all items are present in the package:

- 1 x Continuous Sealing Machine
- 1 x Fuse (5A, spare inside machine)

- 1 x Power Cord
- 1 x Screwdriver
- 1 x Temp Chart
- 1 x User Manual
- 1 x Wrench
- 2 x Gear Belts
- 4 x PTFE-coated conveyor Belts

Includes Extra Consumable Accessories

4 x
PTFE-coated Conveyor Belts



2 x
Gear Belts



1 x
Extra Fuse



⚠ Embossing Roller (sold separately)

Image: Included accessories for the VEVOR PM1800 Continuous Bag Band Sealing Machine.

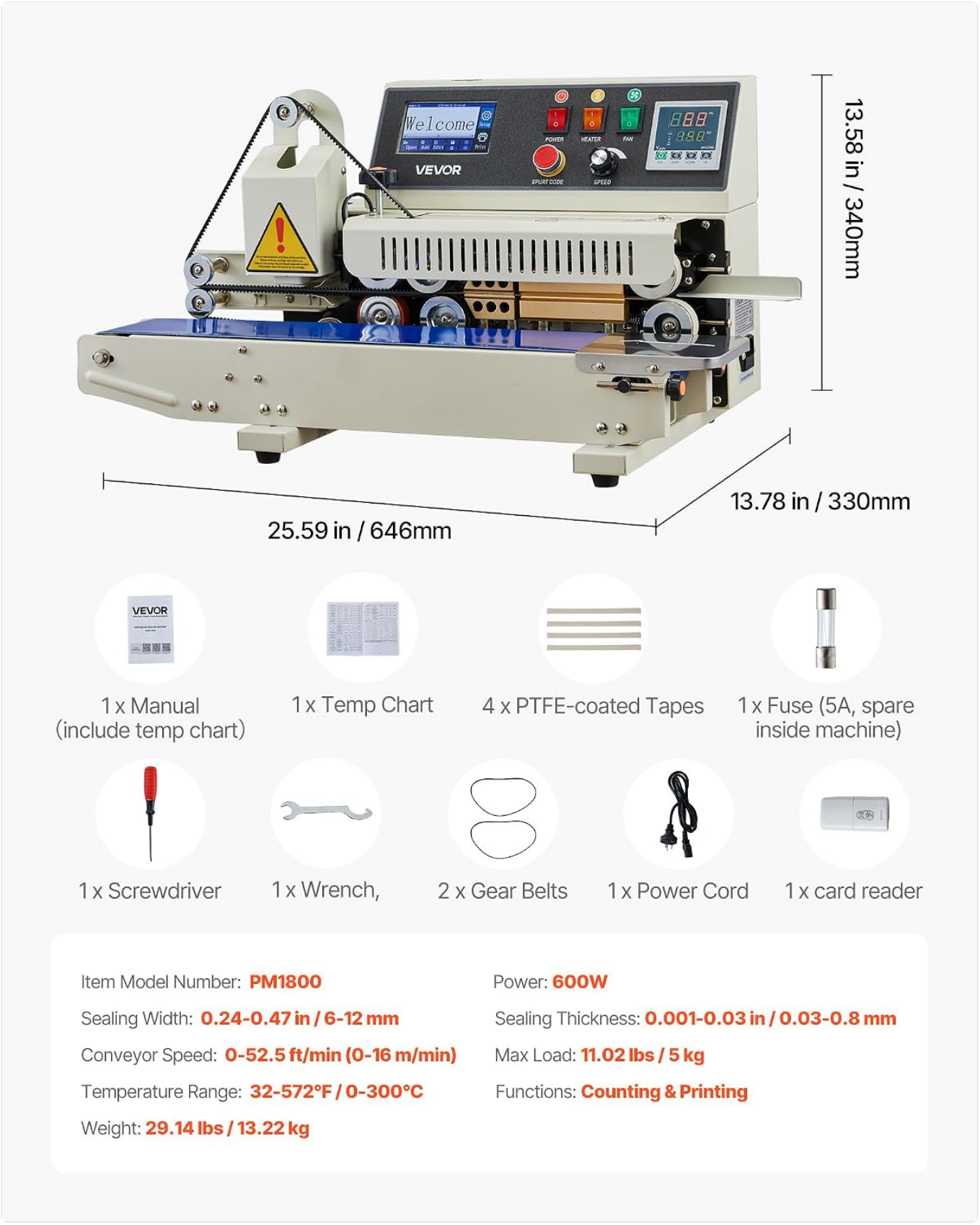

Image: Overview of the VEVOR PM1800 machine and its complete accessory list.

4. Setup

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

2. **Placement:** Place the machine on a stable, level surface in a well-ventilated area. Ensure there is enough space around the machine for operation and maintenance.
3. **Power Connection:** Connect the power cord to the machine and then to a grounded electrical outlet.
4. **Conveyor Belt Installation (if necessary):** The PTFE-coated conveyor belts are typically pre-installed. If replacement is needed, refer to the maintenance section.
5. **Gear Belt Installation (if necessary):** The gear belts are typically pre-installed. If replacement is needed, refer to the maintenance section.
6. **Ink Cartridge Installation:** If using the printing function, install the compatible ink cartridge (HP 2590 W3T10, sold separately) into the designated slot.



Image: The VEVOR PM1800 Continuous Bag Band Sealing Machine set up for use.

5. Operation

5.1 Control Panel Overview



Image: Detailed view of the control panel and ink printing interface.

- **Power Switch:** Turns the machine on/off.
- **Heater Switch:** Activates/deactivates the heating elements for sealing.
- **Fan Switch:** Controls the cooling fan.
- **Speed Adjustment Knob:** Adjusts the conveyor belt speed (0-52.5 ft/min or 0-16 m/min).
- **Temperature Controller:** Digital display and controls for setting the sealing temperature (32-572°F / 0-300°C).
- **Inkjet Switch:** Activates/deactivates the ink printing function.

- **Touch Screen:** For configuring printing settings and monitoring the bag counter.

5.2 Sealing Process

1. **Power On:** Turn on the main power switch.
2. **Set Temperature:** Use the temperature controller to set the desired sealing temperature. Refer to the temperature chart in the specifications section or the included physical chart for guidance based on bag material and thickness.
3. **Activate Heater:** Turn on the heater switch. Allow the machine to preheat until the set temperature is reached.
4. **Adjust Speed:** Adjust the conveyor belt speed using the speed adjustment knob. Start with a lower speed and increase as needed for optimal sealing.
5. **Adjust Pressure:** The machine features adjustable printing roller pressure. For thin bags, use lower pressure; for thick bags, use higher pressure to ensure a strong seal.
6. **Feed Bags:** Carefully feed the open end of the bag onto the conveyor belt, guiding it into the sealing area. The machine will continuously seal the bags.
7. **Cooling:** After sealing, the bags pass through a cooling section to set the seal. Ensure the fan is on for effective cooling.



Image: Demonstrates the sealing results and key features like temperature control and pressure adjustment.

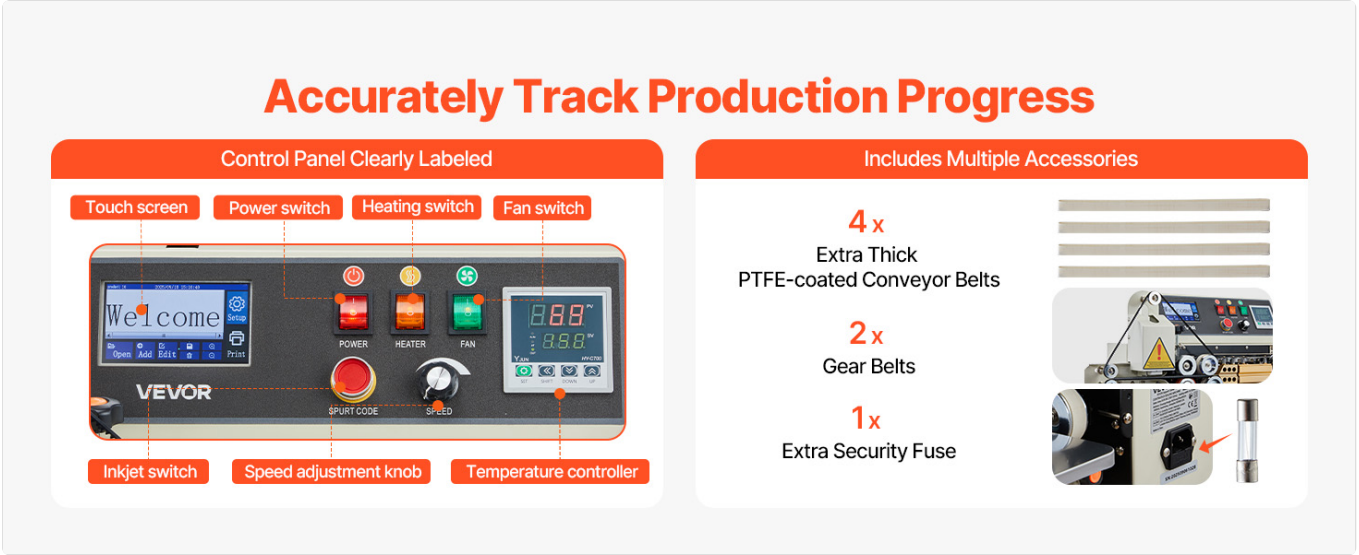

Image: The continuous heat sealing process in action.

5.3 Ink Printing Function

The machine supports ink printing for text, dates, numbers, logos, barcodes, and QR codes. Ink cartridge (HP 2590 W3T10) is sold separately.

1. **Install Ink Cartridge:** Ensure the compatible ink cartridge is correctly installed.
2. **Activate Inkjet:** Turn on the inkjet switch on the control panel.
3. **Configure Printing:** Use the touch screen interface to input or upload printing content (text, date, numbers, patterns, barcodes, QR codes).
4. **Adjust Printing Position:** Adjust the printing head position as needed to ensure clear and accurate printing on the bags.
5. **Monitor Counter:** The built-in counter records the number of sealed bags in real-time, which can be viewed on the touch screen.



Image: The control panel displaying ink printing options and automatic seal counting.



Image: Examples of ink printing capabilities on different bag types.

5.4 Compatible Bag Types

The machine is compatible with various bag types, including Kraft paper, aluminum foil, and plastic bags, with a sealing width of 0.24-0.47 inches (6-12 mm) and a thickness range of 0.001-0.03 inches (0.03-0.8 mm).



Image: Examples of compatible bag materials and dimensions.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your sealing machine. Always disconnect power before performing any maintenance.

- **Cleaning:** Regularly clean the conveyor belt, sealing bars, and printing head with a soft, dry cloth. For stubborn residue, use a mild, non-abrasive cleaner. Ensure no liquids enter the electrical components.

- **Conveyor Belt Inspection:** Periodically inspect the PTFE-coated conveyor belts for wear and tear. Replace them if they show signs of damage or excessive wear. (Spare belts are included).
- **Gear Belt Inspection:** Check the gear belts for tension and wear. Replace if loose or damaged. (Spare belts are included).
- **Heating Elements:** Inspect heating elements for any damage or buildup. Clean gently if necessary.
- **Ink Cartridge Replacement:** Replace the ink cartridge when it runs out. Follow the ink cartridge manufacturer's instructions for safe replacement.
- **Fuse Replacement:** If the machine loses power unexpectedly, check the fuse. Replace with the spare 5A fuse if blown.

7. Troubleshooting

Problem	Possible Cause	Solution
Machine does not power on.	No power supply; Blown fuse; Power switch off.	Check power cord connection and outlet; Replace fuse (5A); Ensure power switch is on.
Poor seal quality (incomplete or weak).	Incorrect temperature setting; Too fast conveyor speed; Insufficient pressure; Worn sealing belts.	Adjust temperature according to bag material; Reduce conveyor speed; Increase roller pressure; Inspect and replace sealing belts if worn.
Bags get stuck or jam.	Improper bag feeding; Conveyor belt misalignment; Obstruction.	Ensure bags are fed straight; Check conveyor belt alignment; Remove any obstructions.
Ink printing is faint or absent.	Ink cartridge empty or improperly installed; Printing head clogged; Inkjet switch off.	Replace or re-install ink cartridge; Clean printing head; Ensure inkjet switch is on.
Machine heats slowly.	Normal operation (initial heat-up); Faulty heating element.	Allow sufficient time for preheating; If problem persists, contact support.

8. Specifications

Feature	Specification
Model Number	PM1800
Brand	VEVOR
Power	600W
Sealing Width	0.24-0.47 in (6-12 mm)
Sealing Thickness	0.001-0.03 in (0.03-0.8 mm)
Conveyor Speed	0-52.5 ft/min (0-16 m/min)
Max Load	11.02 lbs (5 kg)
Temperature Range	32-572°F (0-300°C)

Feature	Specification
Functions	Counting & Printing
Item Weight	29.15 lbs (13.22 kg)
Material	Sheet metal painting
Color	White

Temperature Reference Chart

Use this chart as a general guide for setting the sealing temperature. Optimal temperature may vary based on specific bag composition and environmental conditions.

Image: Temperature reference chart for different bag materials.

9. Warranty and Support

For warranty information, technical support, or replacement parts, please contact VEVOR customer service. Refer to the contact information provided with your purchase or visit the official VEVOR website.
Website: www.vevor.com

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