

VEVOR DSH-D1

VEVOR 1600W Hot Air Plastic Welder

Model: DSH-D1

User Manual

1. INTRODUCTION

The VEVOR 1600W Hot Air Plastic Welder is a powerful and versatile tool designed for welding, shaping, and bending various thermoplastic materials. Its robust 1600W motor ensures rapid heating and efficient welding, making it suitable for both professional and DIY applications. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your hot air plastic welder.

Key features include a wide adjustable temperature range (122°F to 1112°F), durable stainless steel components, and a comprehensive set of accessories for diverse welding tasks.

1600W Pure Copper Motor

Weld longer, weld stronger

Faster ↑
Heating Speed

Higher ↑
Welding Efficiency



Image: The VEVOR 1600W Hot Air Plastic Welder in operation, demonstrating its powerful 1600W pure copper motor for faster heating and higher welding efficiency.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety guidelines to prevent injury or damage to the equipment:

- Read this entire manual before operating the tool.
- Wear appropriate personal protective equipment (PPE), including heat-resistant gloves and eye protection.
- Ensure the work area is well-ventilated to disperse fumes and heat.
- Keep flammable materials away from the hot air stream and heated components.
- Do not touch the hot nozzle or other heated parts during or immediately after operation. Allow the tool to cool completely.
- Always unplug the tool from the power outlet when not in use, before cleaning, or before changing accessories.
- Verify that the power supply voltage (110V) matches the tool's requirements.
- Do not operate the tool in wet or damp conditions.
- Keep children and unauthorized persons away from the operating area.

3. PRODUCT COMPONENTS

Your VEVOR Hot Air Plastic Welder kit includes the following items:

- 1 x Hot Air Plastic Welder Unit
- 1 x Standard Welding Nozzle
- 1 x 40mm Wide Flat Nozzle
- 1 x 5mm Round Y Speed Tip
- 1 x Triangular Speed Tip
- 1 x Transparent Roller
- 1 x 1600W Heating Core
- 1 x Wood-Handled Grooving Knife
- 10 x U-shaped Blades
- 1 x Red-Handled Scraper (with 3 blades)
- 1 x Wire Brush
- 1 x Toolbox



Image: Overview of the VEVOR Hot Air Plastic Welder and its complete set of 11 accessories, neatly organized within the included toolbox.

4. SETUP

1. **Unpacking and Inspection:** Carefully remove all components from the packaging. Inspect the

welder and accessories for any signs of damage. Do not use the tool if any damage is observed.

2. **Attaching Nozzles:** Select the appropriate nozzle for your welding task. Slide the nozzle onto the metal pipe sleeve at the front of the welder. Ensure it fits snugly. The nozzles are interchangeable and designed for specific applications.
3. **Power Connection:** Connect the power cord to a standard 110V AC power outlet. Ensure the power switch on the welder is in the "OFF" position before plugging it in.

5. OPERATING INSTRUCTIONS

5.1 Powering On and Temperature Adjustment

1. **Power On:** Once plugged in, flip the power switch to the "ON" position. The tool will begin to heat up.
2. **Temperature Control:** Use the 9-level dial located on the handle to adjust the hot air temperature. The temperature range is from 122°F (50°C) to 1112°F (600°C). Start with a lower setting and gradually increase until the desired melting point for your material is achieved.

Complete List Of Accessories



Image: Detailed view of the 9-level temperature adjustment dial on the VEVOR Hot Air Plastic Welder, allowing precise control over the 122-1112°F heat range.

5.2 Nozzle Usage and Applications

The kit includes various nozzles for different welding needs:

- **Standard Welding Nozzle:** Ideal for welding small PVC components and general-purpose tasks.
- **40mm Wide Flat Nozzle:** Best for large plastic pieces and broad repairs, such as roofing membranes or large sheets.
- **5mm Round Y Speed Tip:** Perfect for welding round or small-diameter pipes and rods.
- **Triangular Speed Tip:** Designed specifically for welding triangular seams and corners.

4 Interchangeable Nozzles



Image: Illustration of the four interchangeable nozzles provided with the welder, detailing their specific uses for various plastic welding applications.

5.3 Welding Techniques

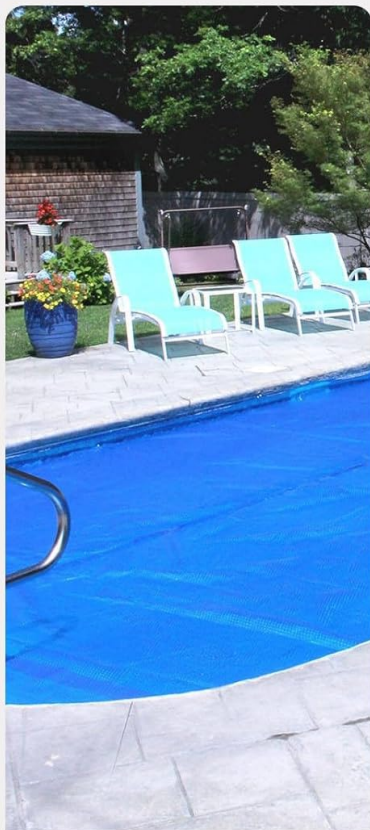
This hot air welder is suitable for materials like PP, PE, PVC, and PVDF. Common applications include:

- Repairing kayaks and canoes
- Welding truck tarpaulins
- Sealing TPO roofs
- Installing PVC flooring
- Repairing waterproof fabrics and swimming pool liners
- Mending car bumpers and other automotive plastics

For optimal results, ensure the surfaces to be welded are clean and dry. Apply consistent heat and

pressure as you guide the welding rod or material along the seam. Practice on scrap pieces before working on your main project.

Wide Application Range For PP / PVC / PE



Swimming Pool Liners



Pipes



PVC Flooring



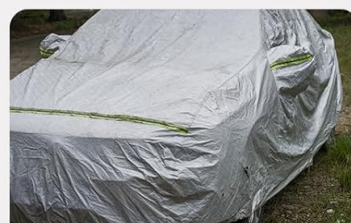
Truck Tarpaulins



Water Tanks



Swimming Pool Covers



Car Tarpaulins

Image: A visual representation of the wide application range for the VEVOR Hot Air Plastic Welder, demonstrating its use on PP, PVC, and PE materials in various settings.

6. MAINTENANCE

- **Cleaning:** After each use, allow the tool to cool completely. Use the included wire brush to clean any plastic residue from the nozzles. Ensure the cooling vents are free from dust and debris to maintain proper airflow.
- **Heating Core Replacement:** If the tool fails to heat or provides inconsistent heat, the 1600W heating core may need replacement. Refer to the manufacturer's instructions or a qualified technician for this procedure.
- **Storage:** Store the welder and its accessories in the provided toolbox in a dry, clean, and secure location, away from direct sunlight and extreme temperatures.



Image: A view of the bottom air intake cooling vents on the VEVOR Hot Air Plastic Welder, which facilitate powerful airflow for rapid cooling after use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not power on.	No power supply; faulty power cord; tripped circuit breaker.	Check power outlet; inspect power cord for damage; reset circuit breaker.
No heat or insufficient heat.	Temperature setting too low; faulty heating core.	Increase temperature setting; consider replacing heating core.
Poor weld quality.	Incorrect temperature; improper technique; dirty material.	Adjust temperature; refine welding technique; clean material surfaces thoroughly.
Excessive smoke or burning smell.	Material overheating; foreign object in nozzle.	Reduce temperature; clean nozzle and ensure no obstructions.

8. SPECIFICATIONS

Brand	VEVOR
Model Number	DSH-D1
Wattage	1600W
Voltage	110 Volts
Temperature Range	122°F - 1112°F (50°C - 600°C)
Airflow Speed	4.5-5.0 m/s

Item Weight	7.94 Pounds (3.6 kg)
Product Dimensions	12.99 x 12.99 x 3.74 inches (330 x 95 x 56 mm)
Power Source	AC



Image: Technical specifications and dimensions of the VEVOR Hot Air Plastic Welder, including wattage, temperature range, airflow, weight, and physical size.

9. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official VEVOR website. Keep your purchase receipt as proof of purchase for warranty claims.

If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact VEVOR customer support through their official website or the contact information provided in your product packaging.