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Seesii SE208sd

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Model: SE208sd

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation, setup, and maintenance of your Seesii SE208sd Spot Welder and Heat Gun Kit. This kit is designed for precise spot welding of battery packs and heat shrinking PVC, offering a comprehensive solution for various projects.

2. SAFETY INFORMATION

Always prioritize safety when operating electrical tools. Failure to follow these safety guidelines may result in electric shock, fire, or serious injury.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) when operating the spot welder or heat gun to protect against sparks, molten metal, or hot air.
- **Ventilation:** Use the spot welder and heat gun in a well-ventilated area to avoid inhaling fumes.
- **Flammable Materials:** Keep flammable materials away from the work area. The heat gun produces high temperatures, and welding creates sparks.
- **Electrical Safety:** Ensure the power supply matches the tool's requirements. Do not operate with damaged cords or plugs. Avoid contact with live electrical parts.
- **Work Surface:** Use a stable, non-conductive work surface.
- **Children and Bystanders:** Keep children and bystanders away from the work area.
- **Heat Gun Handling:** Do not touch the nozzle of the heat gun during or immediately after use, as it will be extremely hot. Allow the tool to cool completely before storing.
- **Spot Welder Probes:** Ensure welding probes are clean and properly seated. Avoid short-circuiting the probes.

Safe to Use



Image: The Seesii Spot Welder features built-in overheating, over-voltage, and over-current protection for enhanced safety during operation.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Seesii Spot Welder Unit
- 640mm Welding Pen
- Foot Pedal Switch
- Charger
- Diamond File
- 18650 Battery Holders (2 units)
- Spare Copper Tips (4 units)
- 0.15x2m Nickel Strip (2 units)
- 2m x 150mm (5.9IN) PVC Heat Shrink Wrap

- Mini Heat Gun
- User Manual (this document)



Image: The complete Seesii Spot Welder Kit, showing all included components for immediate use.

4. SETUP

Follow these steps to set up your Seesii Spot Welder and Heat Gun Kit:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Charging:** Connect the charger to the spot welder unit and a power outlet. The unit features a 5-minute quick charge capability. Ensure the unit is adequately charged before first use.
3. **Connect Welding Pen:** Insert the welding pen cables into the designated P- and P+ ports on the front of the spot welder unit. Ensure a secure connection.
4. **Connect Foot Pedal (Optional):** If using Pedal Mode, connect the foot pedal switch to the 'Triggering Interface' port on the spot welder unit.

5. **Heat Gun Setup:** Plug the mini heat gun into a suitable power outlet.

Your browser does not support the video tag.

Video: An overview of the Seesii 10080W Spot Welder and Heat Gun, demonstrating its components and basic setup for battery building.

5. OPERATING INSTRUCTIONS

5.1. Spot Welder Operation

The spot welder offers both Auto and Pedal modes for flexible operation. Ensure your workpieces (e.g., nickel strip and battery terminals) are clean and properly aligned.



Image: A user performing spot welding on battery cells with the Seesii unit, highlighting its stable and efficient performance.

5.1.1. Selecting Operating Mode (Auto/Pedal)

The 2.4-inch LCD screen allows you to select between Auto and Pedal modes. Navigate the menu using the control buttons.

- **Auto Mode:** For fast, effortless welding. The unit automatically triggers a weld when both probes make contact with the workpiece.
- **Pedal Mode:** For independent and controlled operation. A weld is triggered only when the foot pedal is pressed, allowing for precise placement.



Image: The spot welder's display illustrating the selection between Auto mode for automatic welding and Pedal mode for foot-controlled operation.

Your browser does not support the video tag.

Video: A demonstration on how to adjust between Auto and Pedal welding modes on the Seesii Spot Welder for different operational preferences.

5.1.2. Adjusting Welding Gear (Power Settings)

The spot welder features 999 gear settings to adjust welding power. This allows for precise control over the weld strength for various materials and thicknesses.

- Use the navigation buttons on the unit to adjust the 'Gear' setting on the LCD screen.

- Start with lower settings and gradually increase until the desired weld strength is achieved.
- The unit can handle nickel-plated 0.5mm, pure nickel 0.3mm, copper 0.15mm, and steel 0.3mm.



Image: The spot welder's interface displaying the '999 GEAR' setting, indicating the wide range of power adjustments available.

5.2. Heat Gun Operation

The 350W mini heat gun is ideal for shrinking PVC heat shrink wrap around battery packs or other applications requiring controlled heat.

- **Temperature Settings:** The heat gun offers dual temperature settings: LOW (400°F / 200°C) and HIGH (670°F / 350°C). Select the appropriate setting using the switch on the handle.
- **Application:** Direct the hot air stream evenly over the PVC heat shrink wrap. Move the heat gun continuously to prevent overheating any single spot.



Image: A user applying heat with the 350W mini heat gun to shrink PVC wrap around a battery pack, demonstrating its dual temperature settings.

Your browser does not support the video tag.

Video: A tutorial demonstrating the use of the Seesii Welder and Heat Gun for creating flawless battery packs, including heat shrinking techniques.

6. MATERIAL COMPATIBILITY

The Seesii Spot Welder is capable of welding various materials with appropriate gear settings:

- Nickel-plated strips: Up to 0.5mm thickness
- Pure nickel strips: Up to 0.3mm thickness
- Copper: Up to 0.15mm thickness
- Steel: Up to 0.3mm thickness



Image: Visual guide to the maximum thickness of various materials that can be welded with the Seesii Spot Welder.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your tools.

- **Welding Probes:** Regularly inspect welding probes for wear or damage. Replace copper tips as needed using the provided spares. Use the diamond file to clean and sharpen probe tips for consistent welds.
- **Cleaning:** Keep the spot welder unit and heat gun clean and free of dust and debris. Use a dry cloth for cleaning.
- **Storage:** Store the kit in a dry, safe place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Weak or inconsistent welds	Low power setting (Gear), dirty/worn probe tips, poor contact, insufficient charge.	Increase Gear setting. Clean or replace probe tips. Ensure firm contact with workpiece. Recharge the unit.
Unit not turning on	No power, unit not charged.	Check power connection. Charge the unit.
Heat gun not heating	No power, faulty switch.	Check power connection. Ensure switch is in ON position.
Overheating protection activated	Continuous heavy use.	Allow the unit to cool down. Reduce usage intensity.

9. SPECIFICATIONS

Feature	Detail
Model Number	SE208sd
Manufacturer	Seesii
Item Weight	2.2 pounds
Product Dimensions	8.27 x 5.12 x 3.74 inches
Material	ABS
Power Source	AC
Spot Welder Wattage	10080 watts (max pulse energy)
Capacitors	1500F Dual Farad Capacitors
Current	1800A High Current
Gear Settings	999 GEAR
Heat Gun Wattage	350W
Heat Gun Temperature Settings	LOW 400°F (200°C), HIGH 670°F (350°C)
Display	2.4" LCD Screen

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or contact Seesii customer service directly. Keep your purchase receipt as proof of purchase.

