

Dcreate SKU930645-US

Dcreate 8000W Handheld Spot Welder Instruction Manual

Model: SKU930645-US

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation, setup, and maintenance of your Dcreate 8000W Handheld Spot Welder. Please read this manual thoroughly before using the device to ensure proper function and to prevent injury or damage.

2. SAFETY INFORMATION

WARNING: Electrical tools can be dangerous if not handled properly. Always follow safety precautions.

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and protective clothing.
- Ensure the work area is well-ventilated and free from flammable materials.
- Do not operate the spot welder in wet conditions or near liquids.
- Keep children and unauthorized personnel away from the operating area.
- Disconnect the power supply before performing any maintenance or adjustments.
- Do not attempt to weld materials other than those specified (nickel strips, iron sheets, stainless steel sheets).
- Always ensure proper contact between the welding pens and the workpiece to avoid arcing or damage.
- The device should be fully charged before first use. Charge immediately if the display shows voltage below 7.3V.

3. PACKAGE CONTENTS

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

- Dcreate 8000W Handheld Spot Welder Unit
- Spot Welding Pens (integrated with cables)

- Foot Pedal Switch
- Power Adapter/Charger
- Nickel Strip Sample
- User Manual (this document)



Image 3.1: Contents of the Docreate 8000W Handheld Spot Welder package, including the main unit, welding pens, foot pedal, power adapter, and nickel strip.

4. PRODUCT OVERVIEW

The Docreate 8000W Handheld Spot Welder is designed for precise spot welding of various battery types and thin metal sheets. It features a compact design and adjustable power output.

Function Panel Introduction

Compact and portable design, easy to carry

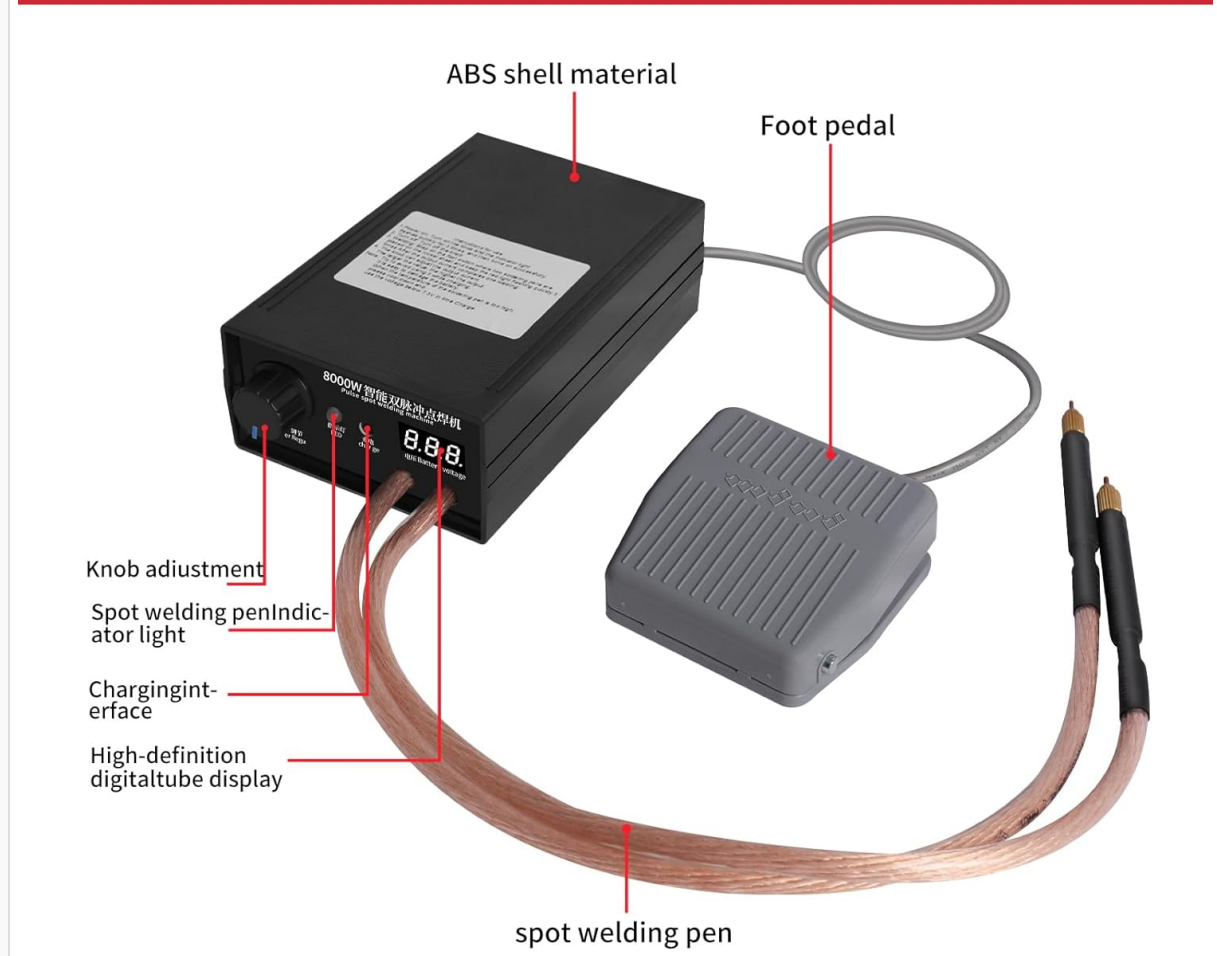


Image 4.1: Diagram illustrating the main components of the spot welder, including the ABS shell, foot pedal connection, knob adjustment, spot welding pen indicator, charging interface, and digital tube display.

Key Components:

- **Main Unit:** Houses the control circuitry, battery, and display.
- **Spot Welding Pens:** Connected via flexible cables, these pens deliver the welding current to the workpiece. The pins are removable and replaceable.
- **Foot Pedal Switch:** Activates the welding process, allowing for precise positioning of the pens.
- **Power Adjustment Knob:** Controls the output power from 1 to 9 levels (0-800A).
- **Digital Display:** Shows the internal battery voltage in real-time.
- **Charging Interface:** For connecting the power adapter to recharge the internal battery.

5. SETUP

1. **Initial Charge:** Before first use, fully charge the spot welder. Connect the power adapter to the charging interface on the unit and plug it into a suitable power outlet. The digital display will show the battery voltage. Charge until the voltage stabilizes at its maximum level.



Image 5.1: The spot welder connected to its power adapter for charging. Ensure the device is fully charged before operation.

- 2. Connect Components:** Ensure the spot welding pens are securely connected to the main unit. Connect the foot pedal switch to its designated port.
- 3. Work Area Preparation:** Set up your work area on a stable, non-flammable surface. Ensure adequate lighting and ventilation. Keep all necessary materials (nickel strips, batteries, etc.) within reach.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

The device typically powers on automatically when the knob is turned from the 'OFF' position. To power off, turn the knob fully counter-clockwise to the 'OFF' position.

6.2 Adjusting Welding Power

The spot welder features a 1-9 level knob adjustment for output power, ranging from 0-800A. Turn the knob clockwise to increase the output power. A higher setting is generally required for thicker nickel strips or stronger welds. Start with a lower setting and gradually increase as needed for your specific material.

Knob fine adjustment

Knob can adjust the output current size. the larger the value the higher the output

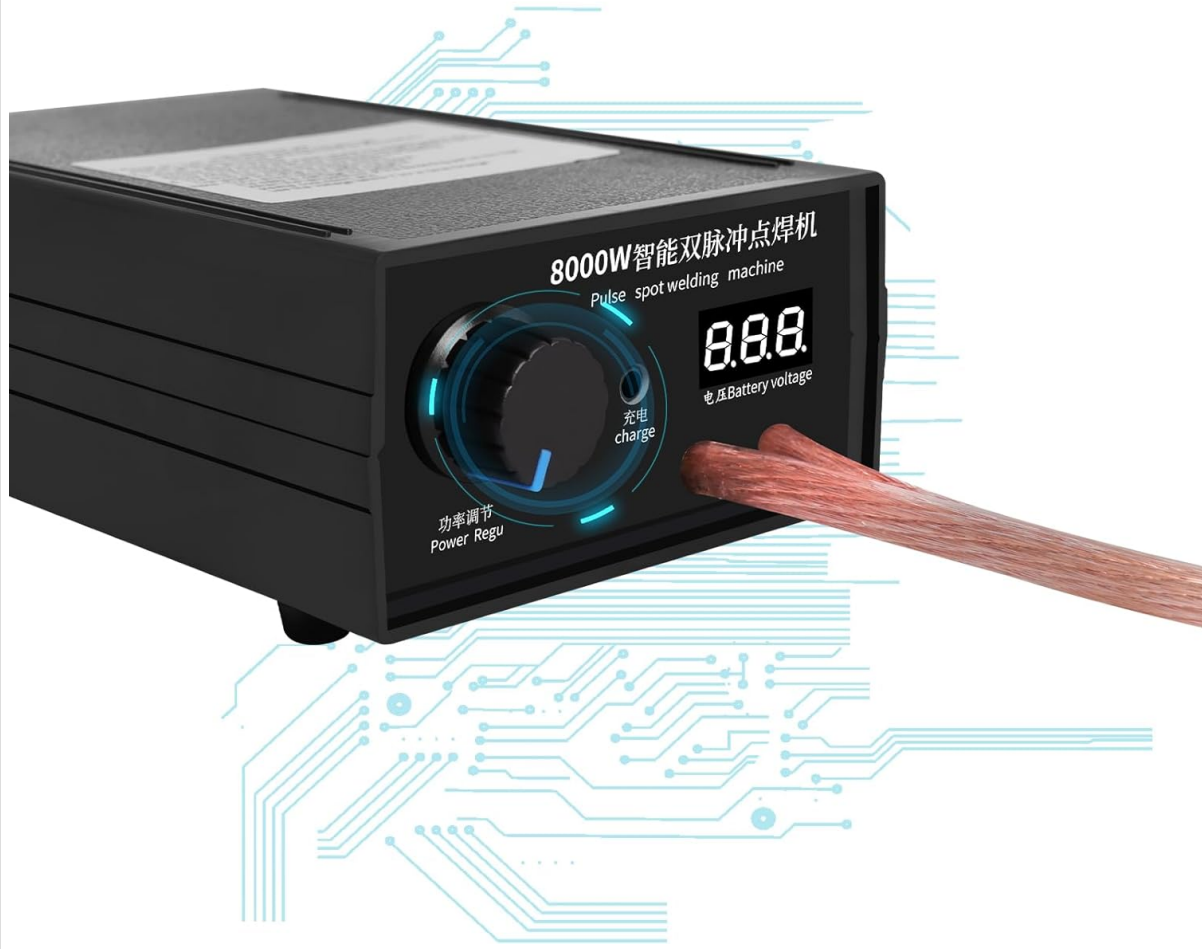
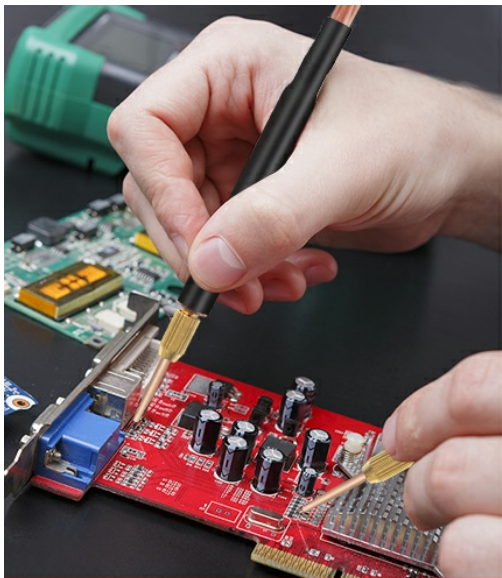


Image 6.1: The power adjustment knob on the front panel of the spot welder. Rotate to select the desired welding power level.

6.3 Welding Process

1. **Prepare Workpiece:** Ensure the nickel strip and battery terminals (or other materials) are clean and free of oxidation.
2. **Position Pens:** Place the two spot welding pens firmly onto the nickel strip, ensuring good contact with the material to be welded. The pens should be positioned close together but not touching each other.



Two soldering pens are placed on the nickel sheet. Depress the foot pedal to complete the welding.



8000W High power

Image 6.2: Proper placement of the spot welding pens on a nickel strip, ready for welding. The foot pedal is used to initiate the weld.

3. **Initiate Weld:** While maintaining firm pressure on the pens, press and hold the foot pedal switch.
4. **Observe Indicator:** The red light on the unit will blink three times quickly, indicating the welding cycle is in progress. After approximately 0.5 seconds, the unit will output a current to complete the weld.
5. **Release Pedal:** Release the foot pedal switch once the weld is complete.
6. **Inspect Weld:** Carefully inspect the welded joint for strength and appearance. Adjust the power setting if the weld is too weak or if it burns through the material.

Tip for Beginners: The battery voltage level displayed on the LCD screen is crucial. Ensure the voltage is above 7.3V for optimal welding performance. If it drops below this, recharge the unit.

7. MAINTENANCE

- **Cleaning:** Regularly clean the welding pens and the main unit with a dry, soft cloth. Ensure no metal dust or debris accumulates on the welding tips.
- **Welding Pen Tips:** The tips of the welding pens are consumable. If they become worn or pitted, they can be removed and replaced to maintain optimal welding performance.
- **Storage:** Store the spot welder in a cool, dry place away from direct sunlight and moisture. Ensure the unit is powered off before storage.
- **Battery Care:** To prolong battery life, avoid completely discharging the unit. Recharge when the voltage display indicates a low level (below 7.3V).

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Weak or inconsistent welds	Low battery voltage, insufficient power setting, poor contact with workpiece, dirty welding tips.	Recharge the unit (if voltage is below 7.3V). Increase power setting. Ensure firm and clean contact. Clean or replace welding tips.
Unit does not power on	Battery fully discharged, power knob in 'OFF' position.	Connect to charger. Turn power knob clockwise to an active setting.
Welds burn through material	Power setting too high.	Decrease the power setting using the adjustment knob.
Foot pedal unresponsive	Foot pedal not properly connected, faulty pedal.	Check foot pedal connection. If issue persists, contact support.

9. SPECIFICATIONS

- **Model:** SKU930645-US
- **Power Output:** 8000W (Peak)
- **Welding Thickness:** 0.1mm - 0.3mm (Nickel Sheets)
- **Output Current:** 0-800A (Adjustable, 9 levels)
- **Screen Size:** 2.5 x 1 cm
- **Soldering Pen Length:** 350mm (approx. 13.8 inches)
- **Unit Dimensions (LxWxH):** 15 x 9.5 x 6 cm (approx. 5.9 x 3.7 x 2.4 inches)
- **Item Weight:** 1.9 pounds (approx. 0.86 kg)
- **Power Source:** AC/DC (Internal rechargeable battery)
- **Applications:** 18650 lithium battery packs, iron sheets, stainless steel sheets, 0.1-0.15mm nickel plated steel, 0.1mm pure nickel sheet.

The spot pen is longer About 47CM Flexible operation

Too short will be inconvenient to operate.
affect the use, 500s win at it to resistance.
oxidation resistance easy to use



Image 9.1: Detailed dimensions for the spot welding pen cables and the welding pens themselves.

10. WARRANTY AND SUPPORT

For any questions or concerns regarding your Docreate 8000W Handheld Spot Welder, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific warranty terms and contact information.

The manufacturer is Docreate.