



# **SOLDRON<sup>®</sup>**

## **MINI SOLDER POT**

### **SP-MINI-001**



Thank you for purchasing the SOLDRON<sup>®</sup> MINI SOLDER POT.  
Please read this manual before use, and keep it after reading it  
for future reference.

# **Assembly and Operation Instructions for SOLDRON® Mini Solder Pot**

## **Safety Precautions**

### **1. Personal Protective Equipment (PPE):**

- Wear heat-resistant gloves, safety goggles, and a long-sleeved, flame-retardant lab coat.
- Ensure that closed-toe shoes are worn to protect feet from molten solder splashes.

### **2. Work Area:**

- Work in a well-ventilated area to avoid inhaling fumes.
- Use SOLDRON® Fume Extractor FA400
- Keep a fire extinguisher nearby, suitable for electrical and metal fires (Class C or D).

### **3. Electrical Safety**

- Use only a grounded electrical outlet for your safety.

### **4. Awareness:**

- Always be aware that the solder pot and its surrounding area can become extremely hot during operation.
- Do not touch or move the solder pot, heating element, or any part while the unit is in use or cooling down.

### **5. Signage:**

- Place clear warning signs around the solder pot area indicating that surfaces are hot and can cause burns.

### **6. Tools and Equipment:**

- Use appropriate tools, such as heat-resistant tongs or pliers, to handle components that have been in contact with the molten solder.
- Always use heat-resistant gloves when working near or handling the solder pot.

### **7. Cooling Down:**

- Allow sufficient time for the solder pot to cool down completely before handling or cleaning.
- Place a barrier or warning tape around the area to prevent accidental contact during the cooling period.

## **Restricted Access:**

### **1. Restricted Access:**

- Ensure that the work area where the solder pot is used is restricted to authorized personnel only.
- Use safety barriers or locked doors to prevent children from accessing the area.

### **2. Supervision:**

- Never leave the solder pot unattended while it is in operation or cooling down.
- Always supervise the work area to ensure that no unauthorized individuals, especially children, enter.

### **3. Education:**

- Educate all personnel on the dangers associated with the solder pot and the importance of keeping it out of reach of children.
- Display safety posters and instructions prominently in the work area.

### **4. Storage:**

- When not in use, store the solder pot in a secure location where children cannot access it.
- Ensure that the power cord is unplugged and safely stored to prevent accidental activation

## **Assembly Instructions**

### **1. Unpacking:**

- Carefully unpack the mini solder pot and ensure all components are present as follows:
  - i. Solder pot with holding screw
  - ii. SOLDRON® 75W Soldering Iron with power cord and adjustment dial
  - iii. Tray with iron fixing screw
  - iv. Dross removal tool
  - v. SOLDRON® 75W Nickel Plated Spade Bit

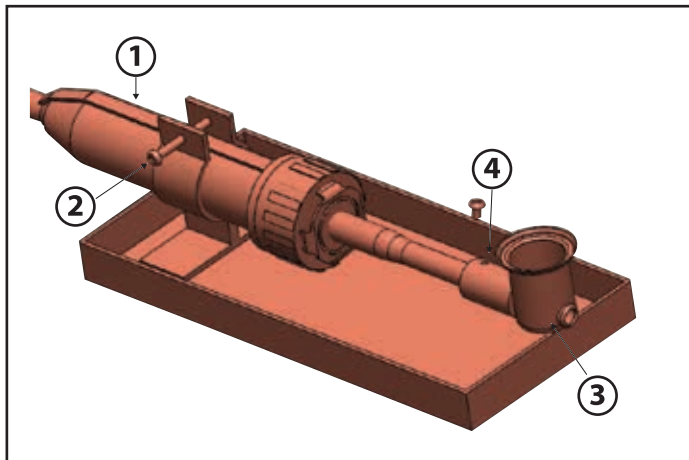
### **2. Inspection:**

- Check the solder pot and Soldering Iron for any visible damage or defects.
- Verify that the power cord is in good condition without any fraying or exposed wires

### 3. Positioning:

- Place the Tray with iron fixing screw on a stable, heat-resistant surface.
- Ensure the area around the solder pot is clear of flammable materials.

### 4. Assembly:



- 1)** Insert the SOLDRON® 75W Soldering Iron into the Tray
- 2)** Tighten the screw to secure
- 3)** Insert the Solder pot with holding screw into the tip of the iron
- 4)** Tighten holding screw to secure
- 5)** Connect the power cord to an electrical supply with earthing.
- 6)** Insert solder into the pot
- 7)** Turn on power and wait until the solder melts. Adjust power with dial on plug
- 8)** Use Dross removal tool to remove dross as needed
- 9)** The SOLDRON® 75W Nickel Plated Spade Bit can be used along with the SOLDRON® 75W Soldering Iron for soldering tasks. Make sure the equipment is cool before handling and inserting bit.

# **Operation Instructions**

## **1. Pre-Operation Check:**

- Ensure the solder pot is correctly assembled.
- Verify the power switch is in the “off” position before plugging in the unit.

## **2. Heating Up:**

- Plug in the solder pot to a grounded electrical outlet.
- Turn on the power switch.
- Set the desired temperature using the temperature control knob

## **3. Adding Solder:**

- Carefully add solder to the pot once it has reached the desired temperature.
- Use a solder bar or pre-cut pieces, adding them gradually to avoid splashing.
- Allow the solder to melt completely and reach a consistent temperature before use

## **4. Using the Solder Pot:**

- Dip the component leads or wires into the molten solder to tin them.
- Hold the component steady and allow the solder to coat evenly.
- Remove the component slowly to avoid splashing.

## **5. Post-Operation:**

- Turn off the solder pot and unplug it from the electrical outlet.
- Allow the solder to cool and solidify before handling or cleaning the pot.
- Clean the solder pot using appropriate tools and methods as recommended by the manufacturer.

# **Maintenance and Troubleshooting**

## **1. Regular Cleaning:**

- Regularly remove dross (oxidized solder) from the surface of the molten solder using a skimmer or similar tool.
- Periodically empty and clean the solder pot to remove accumulated residue.

## **2. Inspection:**

- Regularly inspect the solder pot for signs of wear or damage, such as cracks in the pot or damage to the heating element.

## **3. Troubleshooting:**

- If the solder pot does not heat up, check the power connection and ensure the outlet is functioning.
- If the temperature is inconsistent, contact our service center for assistance.

## **Emergency Procedures**

### **1. In Case of Fire:**

- Use a Class C or D fire extinguisher to extinguish electrical or metal fires.
- If safe to do so, turn off the power to the solder pot before attempting to extinguish the fire.

### **2. Burns or Injuries:**

- In case of a burn, immediately cool the affected area under running water and seek medical attention.
- For serious injuries, call emergency services immediately.

Following these detailed instructions will help ensure safe and efficient use of the SOLDRON® mini solder pot.

Manufactured By :



**VIMLA ENGINEERING**

**An ISO 9001:2015 Certified Company**

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