



Lesite Technology

# LST-EMW

Roofing Electromagnetic Welder

Manual

V1.0





**Please read this manual carefully before using this machine, and keep it for future reference.**

## Application

For installation of TPO and PVC waterproof rolls, securing insulation boards and waterproof rolls to the base without penetrating roofing materials.



## Precautions



Improper use of this device may cause fire, electric shock and other injuries.



There is high voltage in this equipment, non-professionals are strictly prohibited to disassemble the machine.



Please use the National Grid 230/50Hz power supply.



Please use a grounded three-pin socket, and do not modify the plug without authorization.



Please strictly prevent the equipment from entering water, damp and dust accumulation.



Please focus on the operation, in order to ensure the welding quality, please send professionals to operate and use.



It is strictly forbidden to use the welding head to directly press the iron nails, blades, steel bars and other metals to heat, and it is very easy to burn the motherboard.



It is strictly forbidden to use the welding head to knock hard objects, which contain fragile parts.



No-load heating for a long time, no-load test machine is strictly prohibited.

## Parameter

| Model                     | LST-EMW            |
|---------------------------|--------------------|
| Rated Voltage             | 230 / 120 V        |
| Frequency                 | 50 / 60 Hz         |
| Rated Power               | 2000 W             |
| Working Frequency         | Automatic          |
| Effective Welding Surface | ≥ Φ75 mm           |
| Net Weight                | 9.5 Kg             |
| Size                      | 790 × 340 × 160 mm |
| Warranty                  | One Year           |

## Nameplate

The model identification and serial number identification are marked on the nameplate of the machine you choose.

Please provide these data when consulting Lesite Sales and Service Center.



### Roofing Electromagnetic Welder

Model: LST-EMW

Voltage: 230V/50Hz

Power: 2000W

Working Frequency: Automatic

Effective Welding Surface: ≥Φ75mm

Weight: 9.5kg SN: See Machine Frame

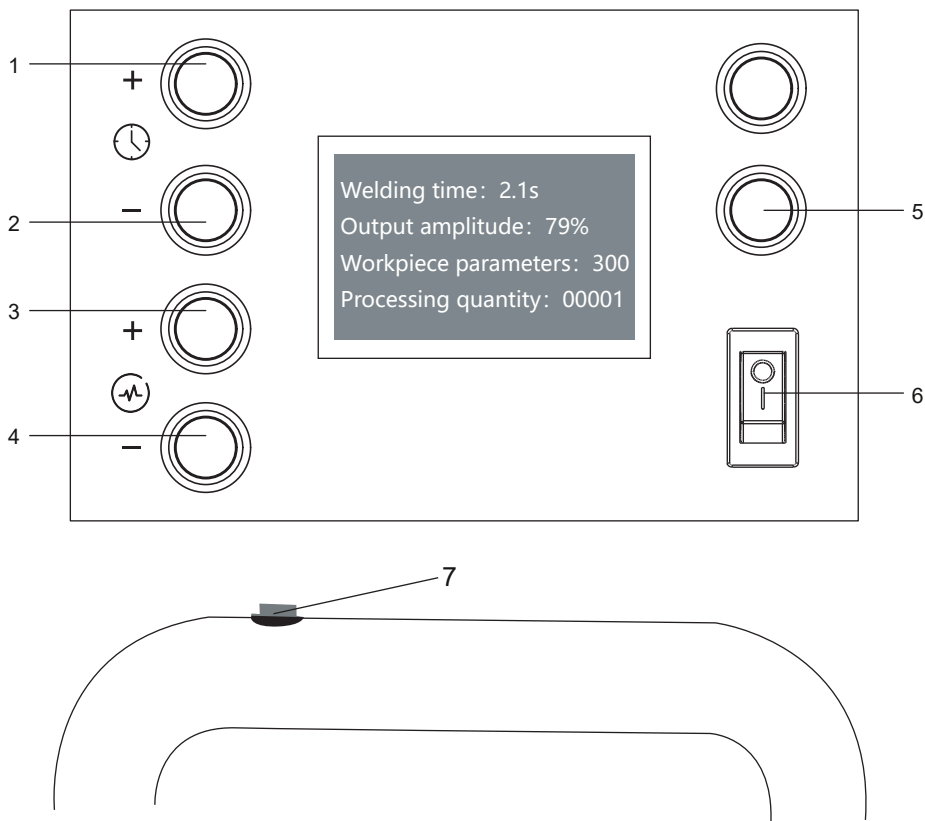
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## Control Panel



1. Time Rise Knob

2. Time Drop Knob

3. Power Rise Knob

4. Power Drop Knob

5. Set Button

6. ON/OFF Switch

7. Welding Button



## Instructions For Use

1. Place the machine on the workbench steadily, connect the power cord, the welding torch connection line, and turn the power switch to "ON (I)". At this time, the front panel LCD screen will display the working interface as shown in Figure (4).
2. At this time, the welding time and output amplitude displayed on the interface are the factory debugging values. The manufacturer can also dynamically adjust the welding time and output amplitude according to the characteristics and thickness of the welding material to perform trial welding and check the welding effect.
3. Time " + - " buttons can adjust the increase and decrease of welding time, the time unit is "second".
4. Power " + - " buttons can adjust the output amplitude and the percentage of output power.
5. The setting button is a button to restore the factory settings. Press and hold for 10 seconds to restore the factory settings.
6. The workpiece parameter in the interface is the working frequency of the machine. This option automatically matches the machine computer and the workpiece.

The processing quantity in the interface increases by "1" for each job. It can be reset by pressing the "Set" key frequently.

Note: When using, press and hold the "welding" button, the buzzer will start to work, if you hear any abnormal sound or abnormal indication, please turn off the power immediately, and then find the cause of the failure, otherwise it will easily damage the equipment or cause an accident.

## Fault & Solutions

| Fault                                        | Causes                          | Solutions                                                                                             |
|----------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------|
| The power switch light is off                | Power outlet not working        | Check whether the socket and the machine are properly connected or loose                              |
|                                              | The power cord is broken        | Check for breakpoints in the cord, reconnect the power cord, or replace the power cord with a new one |
|                                              | Poor contact of the plug        | Replug the power cord                                                                                 |
| LCD screen does not display                  | LCD screen failure              | Return to the factory to replace the LCD screen                                                       |
|                                              | Host motherboard failure        | Return to the factory to repair the host                                                              |
| No response to pressing the "welding" switch | Host parameters are messed up   | Reset parameters                                                                                      |
|                                              | Damaged "soldering" switch      | Replacing the "solder" switch                                                                         |
|                                              | Welding machine circuit failure | Return to factory for repair or buy a new torch                                                       |
|                                              | Host motherboard failure        | Return to the factory to repair the host                                                              |

## Quality Assurance

From the date of delivery of this equipment: the warranty period for the quality of the host is 12 months, and the warranty period for the quality of the welding head is 6 months. Man-made damage (such as vehicle rolling on the construction site, artificial knocking and smashing of welding heads, abnormal use such as three-phase power access) cannot be guaranteed.

## Repairs and Spare Parts

- It is strongly recommended to send the product to Lesite company or authorized repair center for professional inspection and repair.
- Only original Lesite spare parts are allowed.





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