

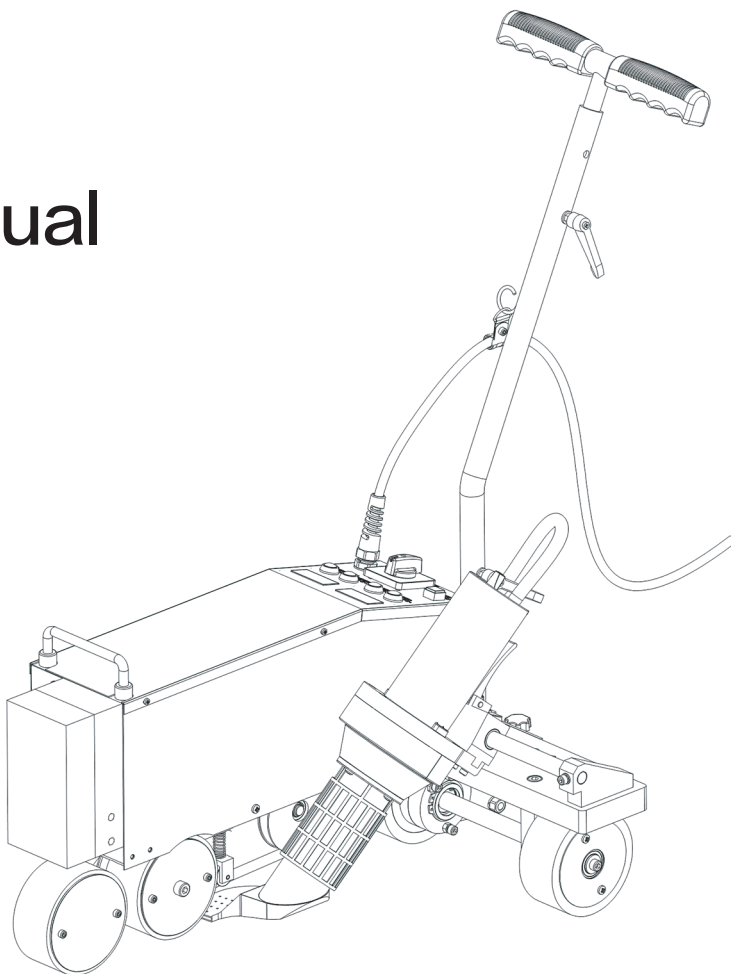


Lesite Technology

# LST-WP1

Roofing Hot Air Welder

## Manual





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

## Application

The roofing hot air welder LST-WP1 is of advanced heating technology and large welding pressure. And it is powerful, stable and easy to be operated, which is suitable for PVC, TPO, EPDM, CPE and other polymer waterproofing membrane constructions.



## Precautions



Please confirm that the machine is turned off and unplugged before disassembling the welding machine, so as not to be injured by live wires or components inside the machine.



The welding machine generates high temperature and high heat, which may cause fire or explosion when used incorrectly, especially when it is close to combustible materials or explosive gas.



Please do not touch the air duct and nozzle(during welding work or when the welding machine has not completely cooled down), and do not face the nozzle to avoid burns.



The power supply voltage must match the rated voltage (230V) marked on the welding machine and be reliably grounded. Connect the welding machine to a socket with a protective ground conductor.



In order to ensure the safety of the operators and the reliable operation of the equipment, the power supply at the construction site must be equipped with a regulated power supply and a leakage protector.



The welding machine must be operated under the correct control of the operator, otherwise it may cause combustion or explosion due to high temperature.



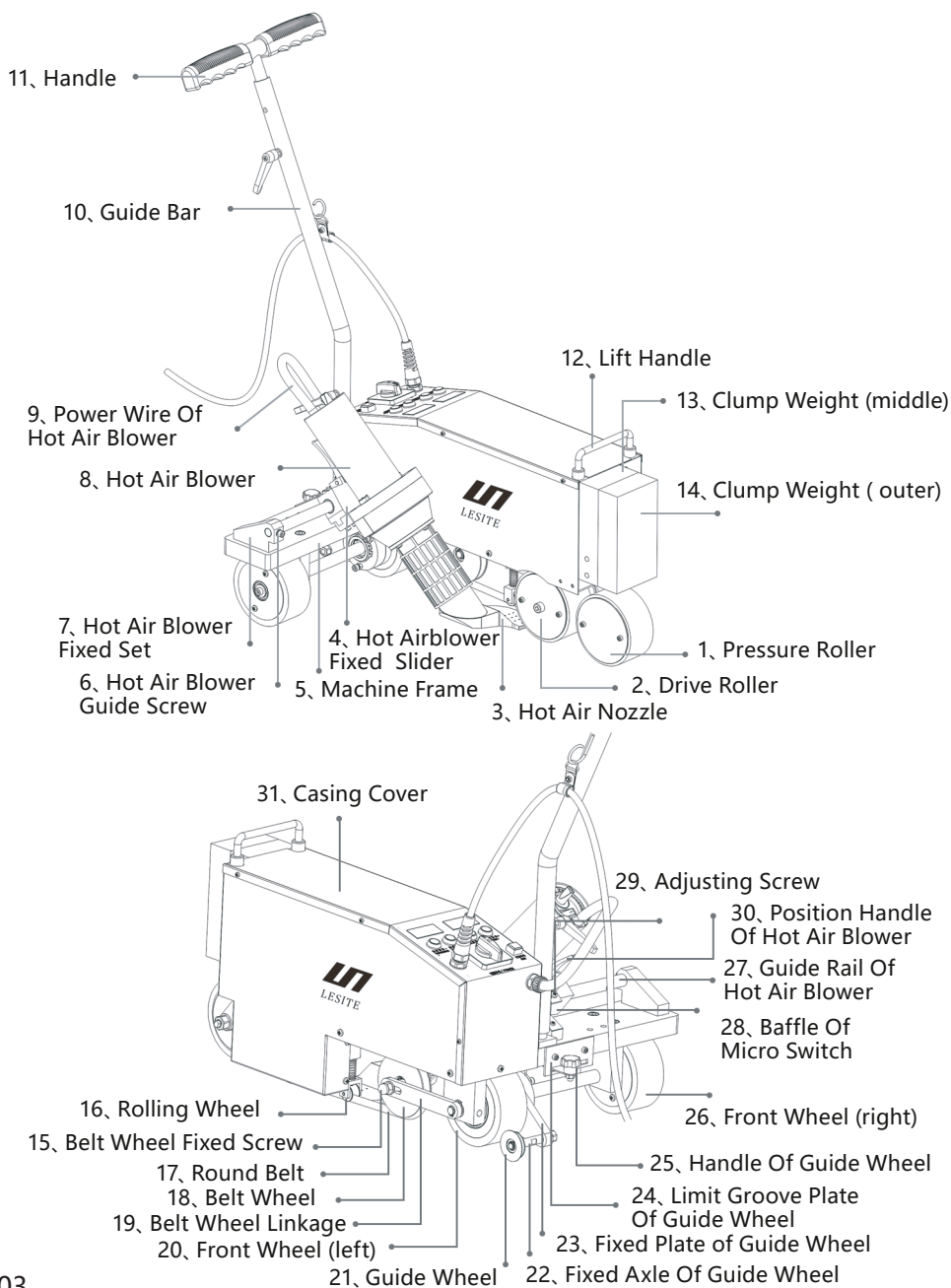
It is strictly forbidden to use the welding machine in water or muddy ground, avoid soaking, rain or damp.

## Parameter

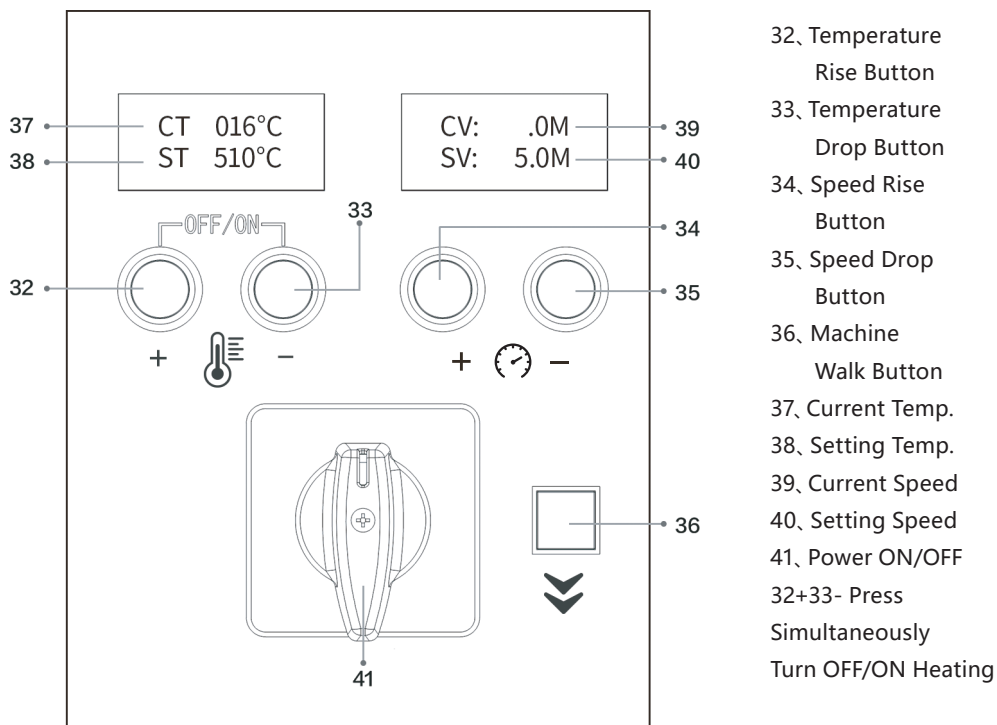
|               |                |
|---------------|----------------|
| Model         | <b>LST-WP1</b> |
| Voltage       | 230V           |
| Power         | 4200W          |
| Welding Temp  | 50~620°C       |
| Welding Speed | 1~10m/min      |
| Welding Seam  | 40mm           |
| Machine Size  | 555×358×304mm  |
| Net Weight    | 38 kg          |
| Certificate   | CE             |
| Warranty      | One Year       |

|               |                                                                                                  |
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| Machine Size  | 555×358×304mm                                                                                    |
| Net Weight    | 38 kg                                                                                            |
| Motor         | Brush-less Air Blower                                                                            |
| Air Volume    | 70-100% Infinitely Adjustable                                                                    |
| Certificate   | CE                                                                                               |
| Warranty      | One Year                                                                                         |

## Main Parts



## Control Panel



### 1, Welding temperature:

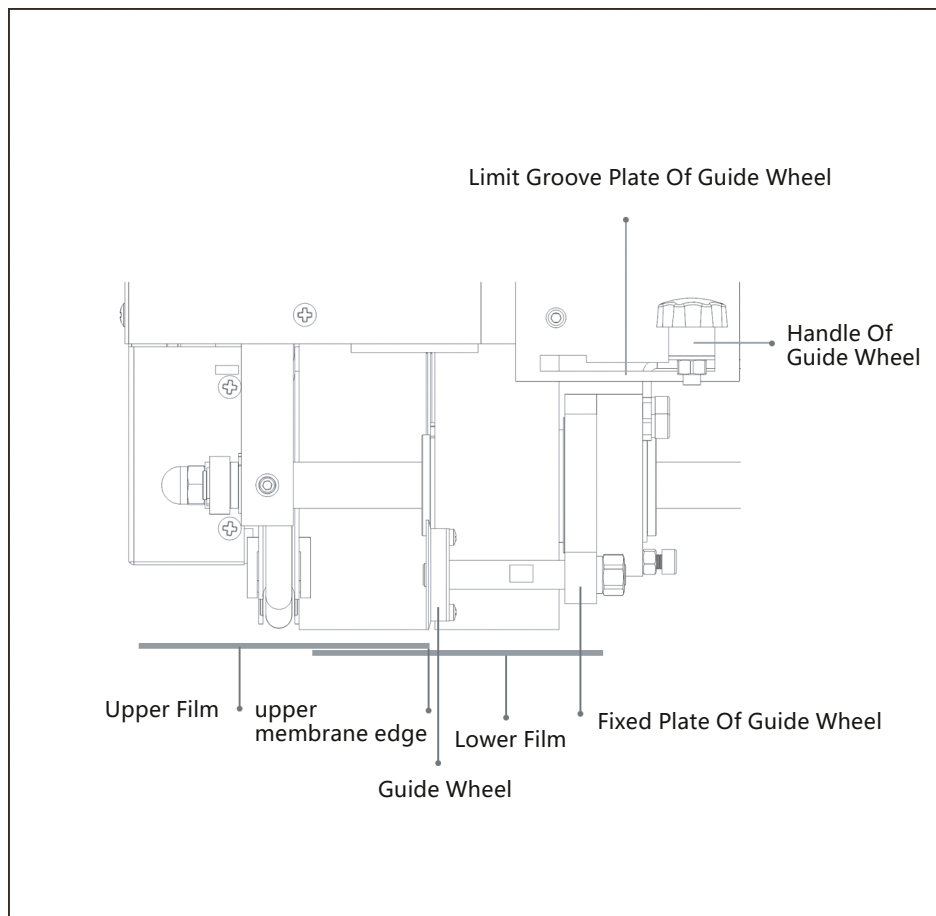
Using button +  - to set the required temperature. You can set the temperature according to the welding materials and the ambient temperature. LCD display screen will show the setting temperature and the current temperature.

### 2, Welding speed:

Using button +  - to set the required speed according to the welding temperature. LCD display will show the setting speed and the current speed.

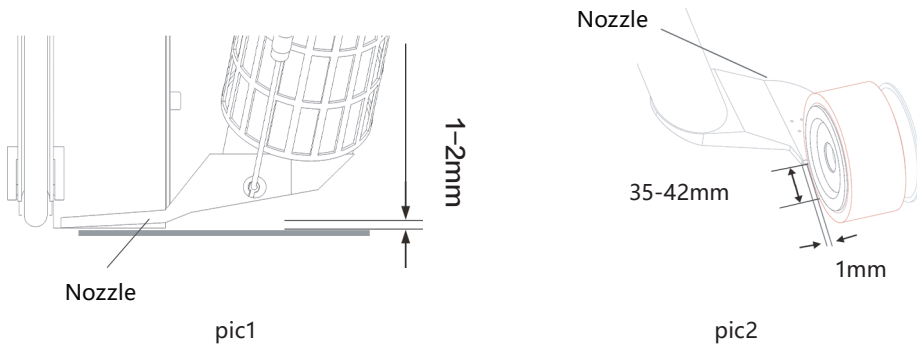
- The machine has a memory function parameters, namely when you use the welder next time, the welder will automatically show the last setting parameters without having to re-set parameters.

## Positioning Before Welding



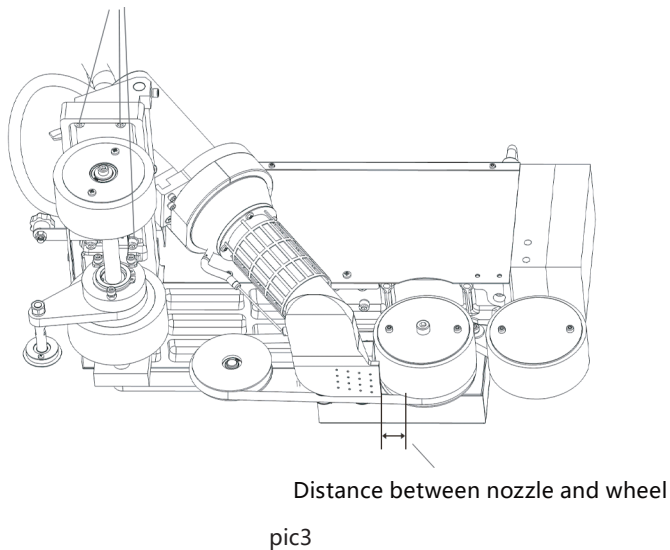
1. Depress handle to lift machine, move it to welding position (the edge of upper film should keep in the same alignment with drive roller), as shown in figure 4.
2. Lift guide bar to make front wheel (left) off the ground, slide handle of guide wheel to right side until the right position of limit groove plate of guide wheel, to keep the guide wheel in the same alignment with the edge of upper film.

## Welding Nozzle Setting



### ◆ Nozzle default position setting

3 pcs adjusting screws



### ◆ Adjust the nozzle position by 3 pcs screws

## 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 HOT AIR WELDER**

Model : LST-WP1  
Power : 4200W  
Speed : 1.0-10m/min  
Net Weight : 38 KG

Voltage : 230V  
Temperature : 50-620°C  
Welding Seam : 40mm  
SN : See Machine Frame

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## Error Code

| Error Code         | Description                       | Measures                                                        |
|--------------------|-----------------------------------|-----------------------------------------------------------------|
| Error T002         | No thermocouple detected          | a.Check thermocouple connection<br>b.Replace thermocouple       |
| Error S002         | No heating element detected       | a.Check heating element connection<br>b.Replace heating element |
| CT:999<br>Err-T001 | Thermocouple failure in operation | a.Check thermocouple connection<br>b.Replace thermocouple       |
| Error FANerr       | Overheating                       | a.Check hot air blower<br>b.Clean nozzle and filter             |

## Boot Steps

Current Temp. — CT 016°C  
ST - Pause

CV: .0M  
SV: 5.0M — Current Speed  
Current Speed

- 1、 Turn on the machine, and the LCD display screens are shown as above. At this time, the air blower does not heat and is in the state of blowing natural wind.

Current Temp. — CT: 510°C  
Setting Temp. — ST: 510°C

CV: .0M  
SV: 5.0M — Current Speed  
Current Speed

- 2、 Press the buttons of temperature rise (32) and temperature drop (33) at the same time. At this time, the air blower starts to heat up to the setting temperature. When the current temperature reach the setting temperature, press button speed rise (34) to set speed. The LCD screens are shown as above.

Current Temp. — CT: 510°C  
Setting Temp. — ST: 510°C

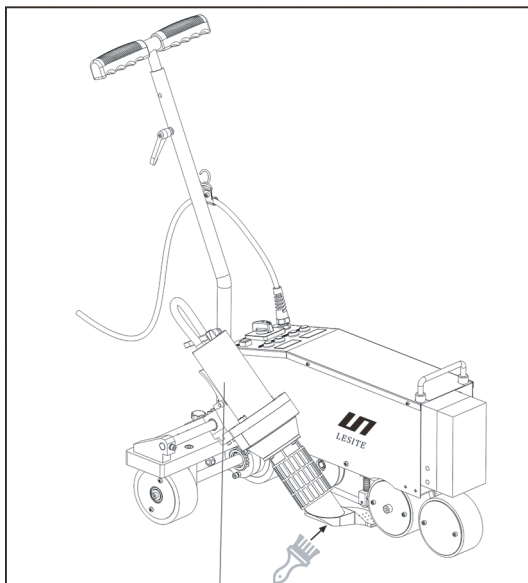
CV: 5.0M  
SV: 5.0M — Current Speed  
Current Speed

- 3、 Pull up the blower location handle (30) , raise the hot air blower (8), lower the hot air nozzle (3) to make it close to the lower membrane, move the air blower to the left to insert the hot air nozzle into the membranes and make the hot air nozzle in place, At this time, the welding machine automatically walks for welding. The LCD screens are shown above.
- 4、 Pay attention to the position of the guide wheel (21) at all times. If the position deviates, you can touch the handle (11) to adjust.

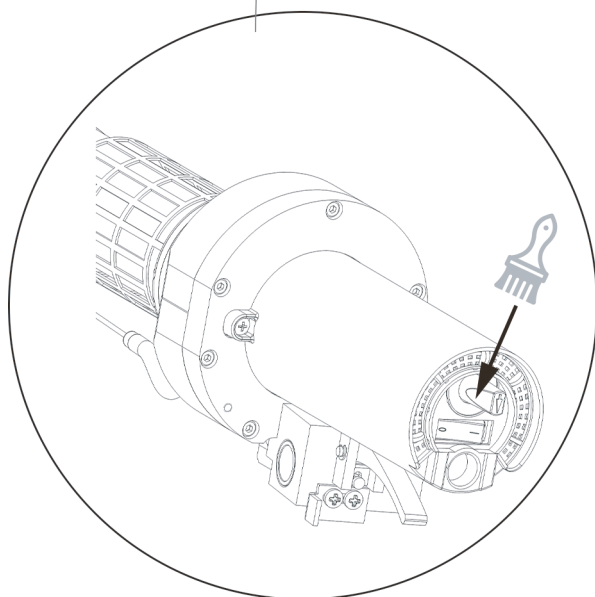
## Shutdown Steps

After completing the welding work, remove the welding nozzle and return to the initial position, and press the buttons temperature rise (32) and temperature drop (33) on the control panel at the same time to turn off the heating. At this time, the hot air blower stops heating and is in cold air standby mode while allowing the welding nozzle to cool down after waiting for the temperature to drop to 60°C, and then turn off the power switch.

## Daily Maintenance



Use steel brush to clean the welding nozzle.



Clean the air inlet at the back of the hot air blower.

## Default Accessories

- Spare 4000w heating element
- Steel brush
- Phillips screwdriver
- Fuse 4A
- Anti-hot plate
- Slotted screwdriver
- Allen wrench (M3, M4, M5, M6)

## Quality Assurance

- This product guarantees a 12-month shelf life from the day it is sold to consumers. We will be responsible for failures caused by material or manufacturing defects. We will repair or replace defective parts at our sole discretion to meet the warranty requirements.
- The quality assurance does not include damage to wearing parts (heating elements, carbon brushes, bearings, etc.), damage or defects caused by improper handling or maintenance, and damage caused by falling products. Irregular use and unauthorized modification should not be covered by the warranty.

## 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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