



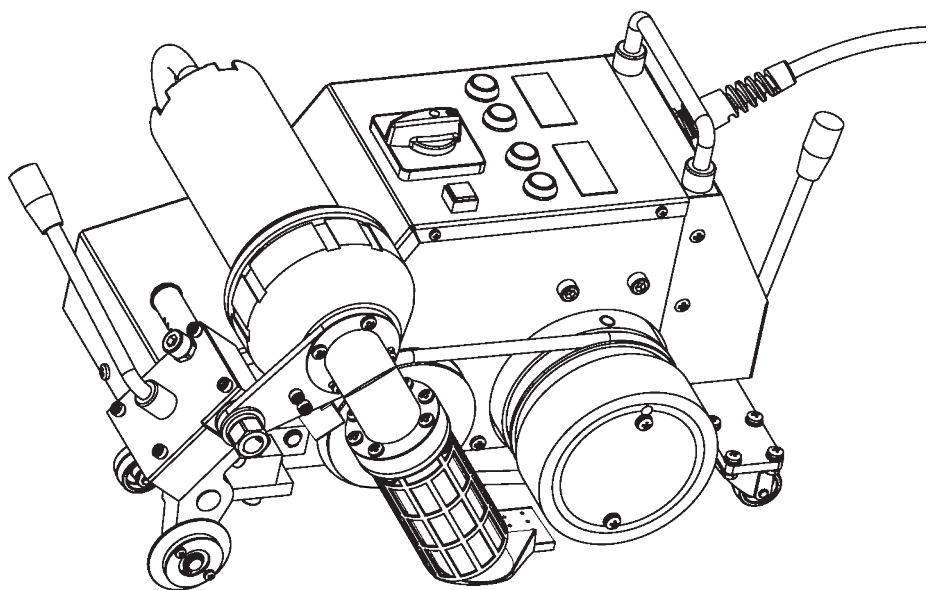
Lesite Technology

LST-UME

Banner & Tarpaulin Welder

Manual

V1.0





**Please read this instruction manual carefully before use.
Only correct operation can ensure the long-term reliable and
trouble-free operation of the product.**

Application

- Splicing and production of advertising printing
- Car Tents
- Automobile Transportation
- Tents
- Membrane Structures
- Inflatable Castles
- Open-air Storage



Precautions



Unplug the welder before disassembling it to avoid injury from exposed wires or component inside the machine with power.



Incorrect operation may cause fire and explosion hazard because of high temperature, especially near combustible materials or explosive gases.



Don't touch heater tube and nozzle when they are hot. They may cause burns. Don't point the nozzle at people to avoid burns.



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



To ensure operator safety and reliable operation of equipment, the power supply must be equipped with a voltage stabilizer and a residual current device.



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



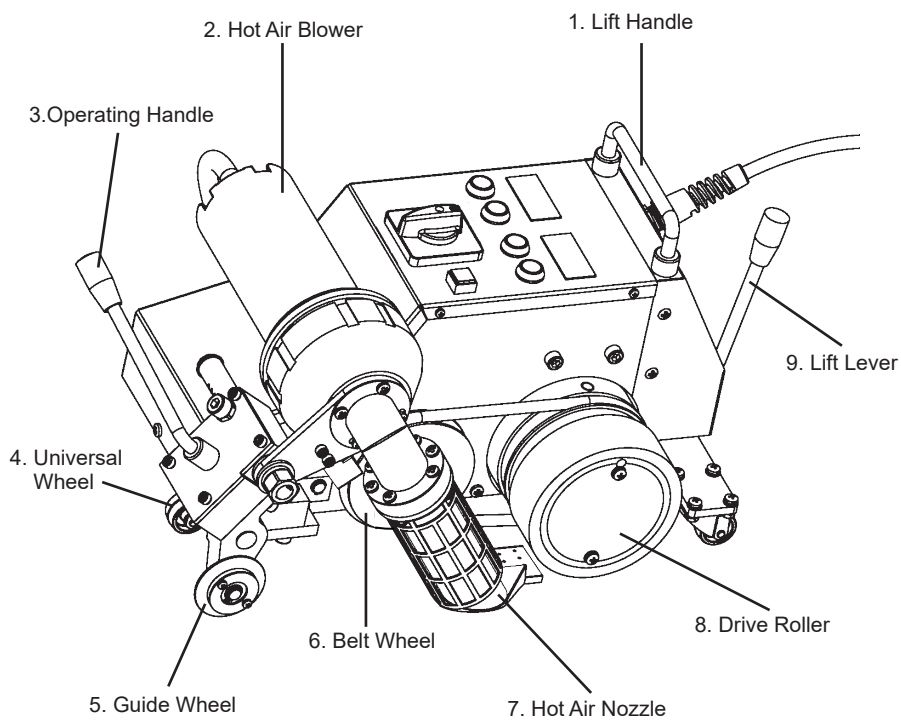
It is strictly forbidden to use the welding machine in water or muddy ground, avoid soaking, rain or damp.

Parameter

Model	LST-UME
Rated Voltage	230 V
Frequency	50 Hz
Rated Power	2800 W
Heating Temperature	60 - 620 °C (Brush) / 60 - 650 °C (Brushless)
Welding Speed	1.5 - 10.0 m/min
Seam Width	30 / 40 mm
Net Weight	13 Kg
Size	475 × 290 × 205 mm
Motor	Brush / Brushless
Air Volume	No Adjustable / Stepless Adjustable
Certificate	CE
Warranty	One Year

Model	LST-UME
Rated Voltage	120 V
Frequency	60 Hz
Rated Power	2200 W
Heating Temperature	60 - 550 °C (30mm) / 60 - 500 °C (40mm)
Welding Speed	1.5 - 10.0 m/min
Seam Width	30 / 40 mm
Net Weight	13 Kg
Size	475 × 290 × 205 mm
Motor	Brush
Air Volume	No Adjustable
Certificate	CE
Warranty	One Year

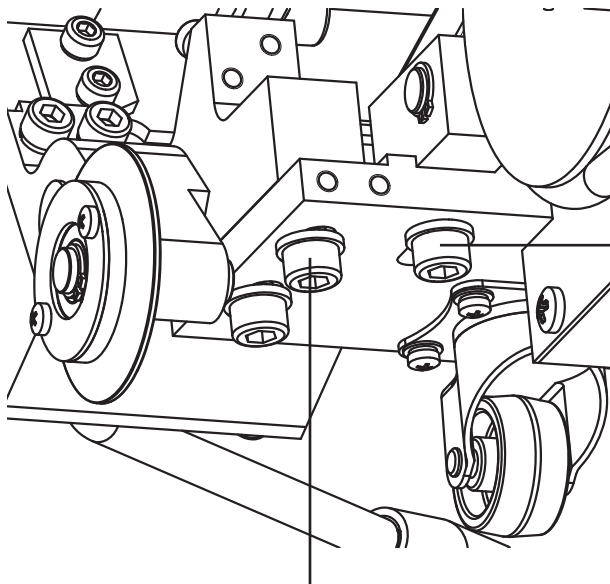
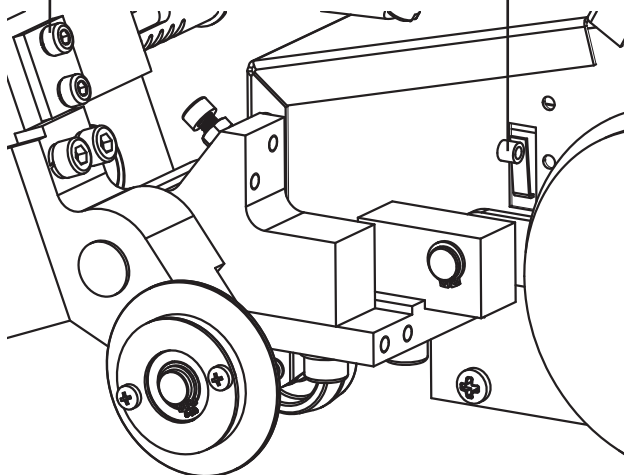
Main Parts



Main Parts

10. Guide Pad

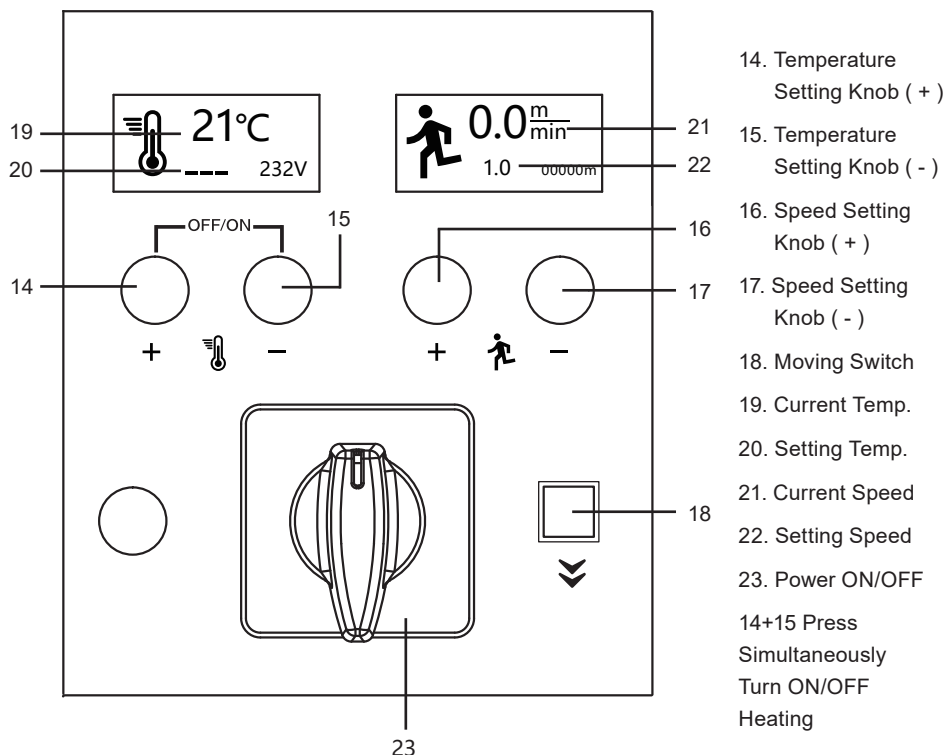
11. Micro Switch



13. Belt Wheel
Adjusting Screw

12. Hot Air Nozzle Adjusting Nut

Control Panel



1. Welding Temperature:

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

- This machine features parameter memory function. The previous settings will be restored automatically upon next power-on without the need for resetting.

Welding Nozzle Setting

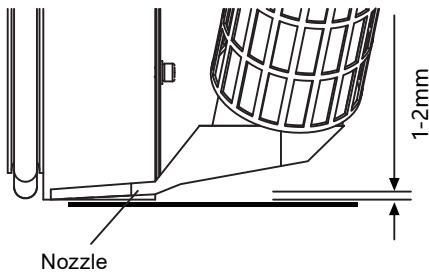


Fig 1

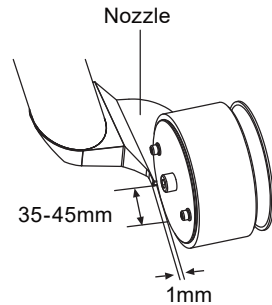


Fig 2

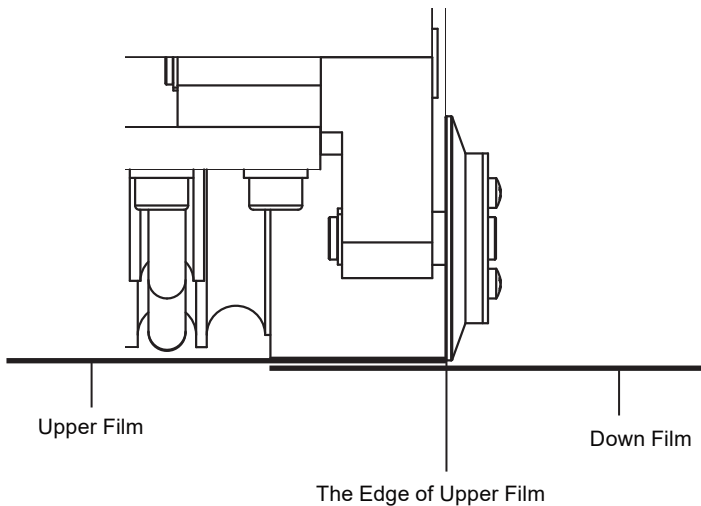


Fig 3

1. The distance between the air nozzle and the ground should be shown in Fig 1 (the distance has been adjusted before delivery).
2. The distance between the air nozzle and the drive roller should be as shown in Fig 2 and Fig 3 (the distance has been adjusted before delivery). If the distance is not correct, loosen the hot air nozzle adjusting nuts for adjustment.
3. Depress lift 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 Fig 3.

Boot Steps

Current Temp.

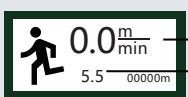
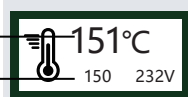


Current Speed

Setting 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.



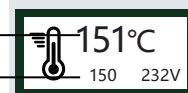
Current Speed

Setting Temp.

Setting Speed

2. Press the buttons of $+$  $-$ 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 $+$  $-$ to set speed. The LCD screens are shown as above.

Current Temp.



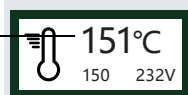
Current Speed

Setting Temp.

Setting Speed

3. Pull up the position handle of hot air blower , raise the hot air blower, lower the hot air nozzle 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 at all times. If the position deviates, you can touch the operating handle to adjust.

Current Temp.



Current Speed

Setting Speed

5. After completing the welding work, remove the welding nozzle and return to the initial position, and press the buttons $+$  $-$ 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.

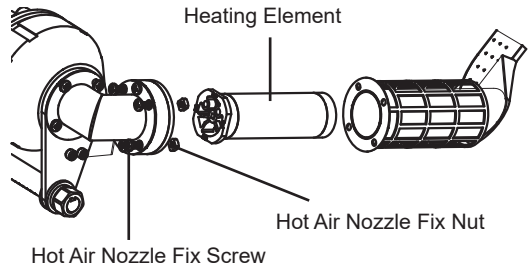
Fault Codes

Fault	Cause of the Fault	Solution
	Thermocouple Fault	1. Replace the heating element; 2. The outer casing connection terminal is broken; replace the outer casing assembly; 3. The drive board is faulty; replace the drive board.
	Overheating Fault	1. If the fan is not turning, replace the air blower motor or its carbon brushes; 2. Clean the air nozzle and air blower intake filter; 3. If the photosensitive element is faulty, replace it; 4. Replace the heating element;
	Heating Element Fault	1. Replace the heating element; 2. The outer casing connection terminal is broken; replace the outer casing assembly; 3. The drive board is faulty; replace the drive board.
 179V	Voltage Below 180V Alarm	Raise Voltage
 251V	Voltage Above 250V Alarm	Reduce Voltage
 --- 281V	Voltage Reaching 280V Alarm	Cut off the power, reduce voltage

Parts Replacement

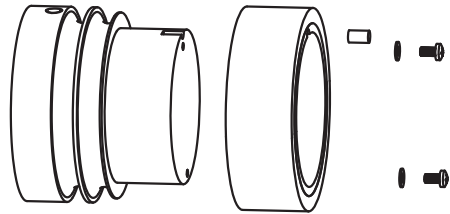
• Replacement of Heating Element

Loosen the four hot air of nozzle fix screws. Then you can remove the heating element after removing the nozzle as shown on the right.



• Replacement of Silica Ring of Drive Roller

Loosen the silica ring fixed screws, and then you can take down silica ring, as shown on the right.



Nameplate

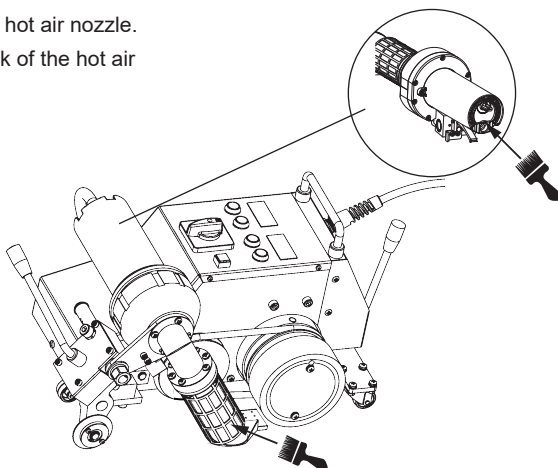
The model identification and serial number are marked on the nameplate of your machine. Please provide these data when consulting Lesite Sales and Service Center.

 BANNER & TARPAULIN WELDER	
Model: LST-UME	Voltage: 230V/50Hz
Power: 2800W	Temperature: 60-620°C
Welding Speed: 1.5-10.0m/min	Welding Seam: 30/40mm
Weight: 13Kg	SN: See Machine Frame
Fuzhou Lesite Plastics Welding Technology Co., LTD www.lesiteweld.com info@lesite.com.cn	
	

 BANNER & TARPAULIN WELDER	
Model: LST-UME	Voltage: 120V/60Hz
Power: 2200W	Speed: 1.5-10.0m/min
Temperature: 60-550°C (30mm) / 60-500°C (40mm)	
Welding Seam: 30/40mm	Weight: 13Kg
SN: See Machine Frame	
Fuzhou Lesite Plastics Welding Technology Co., LTD www.lesiteweld.com info@lesite.com.cn	
	

Daily Maintenance

Use steel brush to clean the hot air nozzle.
Clean the air inlet at the back of the hot air blower.



Quality Assurance

- This product guarantees a one year warranty 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.





FUZHOU LESITE PLASTICS WELDING TECHNOLOGY CO.,LTD



Tel: +86(591)83818890



E-mail: info@lesite.com.cn
Web: www.lesiteweld.com



Add: 5# Jingpu Road, Pushang Industry Park,
Cangshan, Fuzhou, 350007, Fujian, China