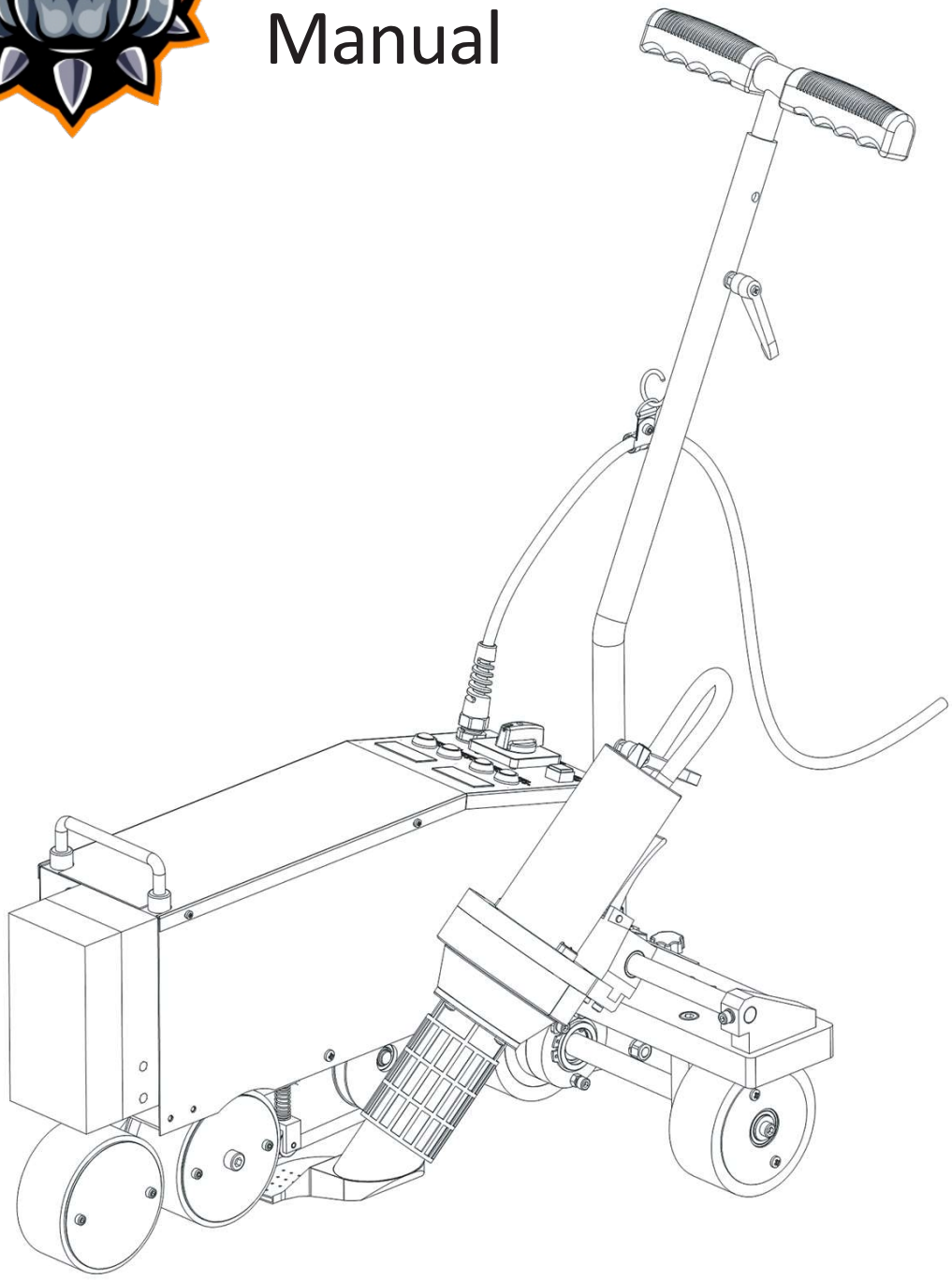
Westech Big Dog Overlap Welder 230v 4200w Manual



WESTECH

Parts & Service
877-646-8247
WestechPWT.com

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

Application

The Westech overlap welder uses advanced heating technology and pressure for welding thermoplastics; PVC, TPO, EPDM, CPE and other polymer waterproofing membranes.

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.

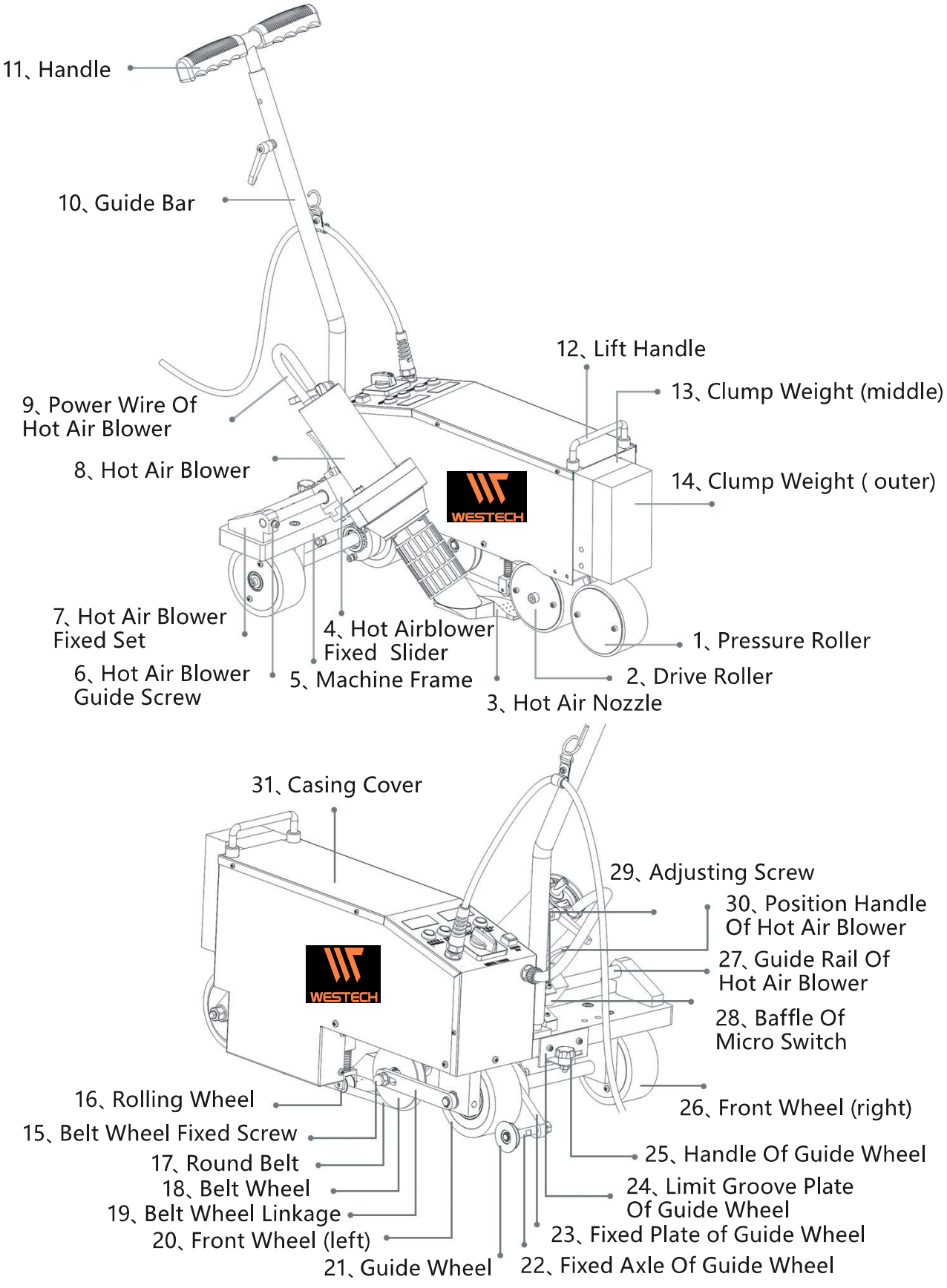
The welding machine must be operated under the correct control of the operator, otherwise it may cause combustion or explosion due to high temperature.

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

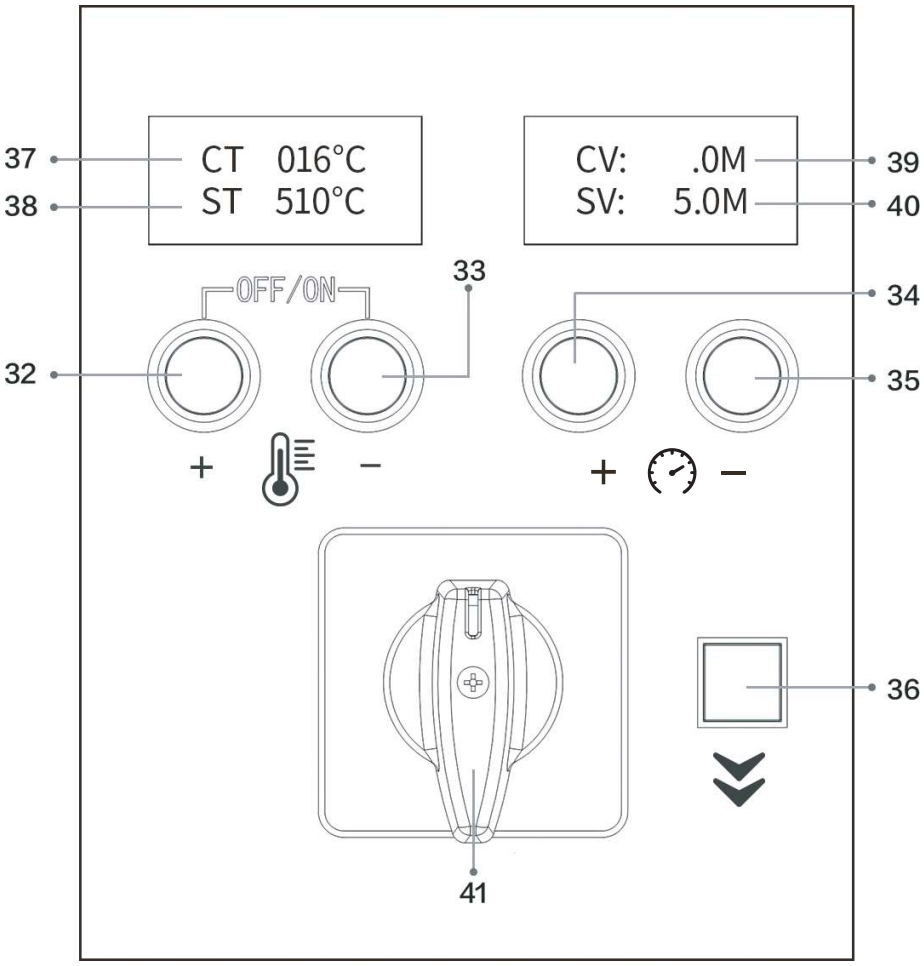
Parameter

Model	Brushless BL MOTOR
Voltage	230V
Power	4200W
Welding Temp	50～620 ℃
Welding Speed	1~10m/min
Welding Seam	40mm
Machine Size	555×358×304mm
Net Weight	38 kg
Motor	Brushless Air Blower
Air Volume	70-100% Infinitely Adjustable
Certificate	CE
Warranty	Two Year

Main Parts


11、Handle
10、Guide Bar
12、Lift Handle
13、Clump Weight (middle)
9、Power Wire Of Hot Air Blower
8、Hot Air Blower
14、Clump Weight (outer)
7、Hot Air Blower Fixed Set
4、Hot Airblower Fixed Slider
1、Pressure Roller
6、Hot Air Blower Guide Screw
5、Machine Frame
2、Drive Roller
3、Hot Air Nozzle
31、Casing Cover
29、Adjusting Screw
30、Position Handle Of Hot Air Blower
27、Guide Rail Of Hot Air Blower
28、Baffle Of Micro Switch
16、Rolling Wheel
26、Front Wheel (right)
15、Belt Wheel Fixed Screw
25、Handle Of Guide Wheel
17、Round Belt
18、Belt Wheel
24、Limit Groove Plate Of Guide Wheel
19、Belt Wheel Linkage
23、Fixed Plate of Guide Wheel
20、Front Wheel (left)
21、Guide Wheel
22、Fixed Axle Of Guide Wheel

Control Panel

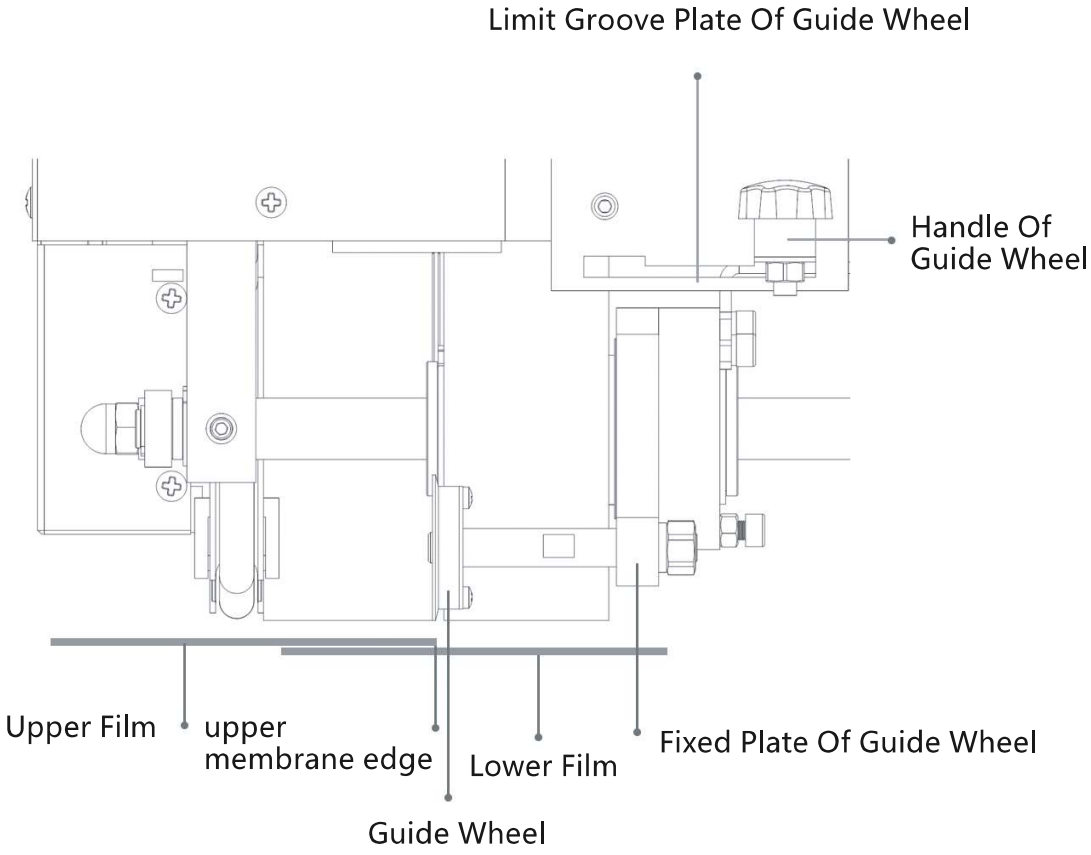


32、Temperature Rise Button
33、Temperature Drop Button
34、Speed Rise Button
35、Speed Drop Button
36、Machine Walk Button
37、Current Temp.
38、Setting Temp.
39、Current Speed
40、Setting Speed
41、Power ON/OFF
32+33- Press Simultaneously Turn OFF/ON Heating

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.

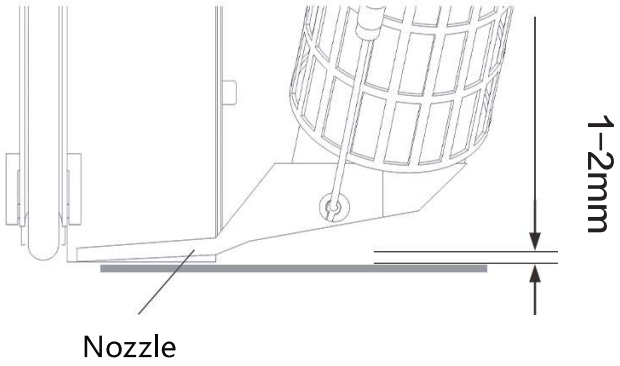
Positioning Before Welding



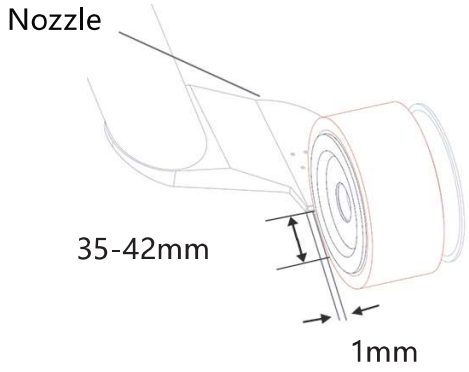
1.Depress handle to lift machine, move it to welding position (the edge of upper film should keep in the same alignment with drive roller), as shown in figure 4.

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



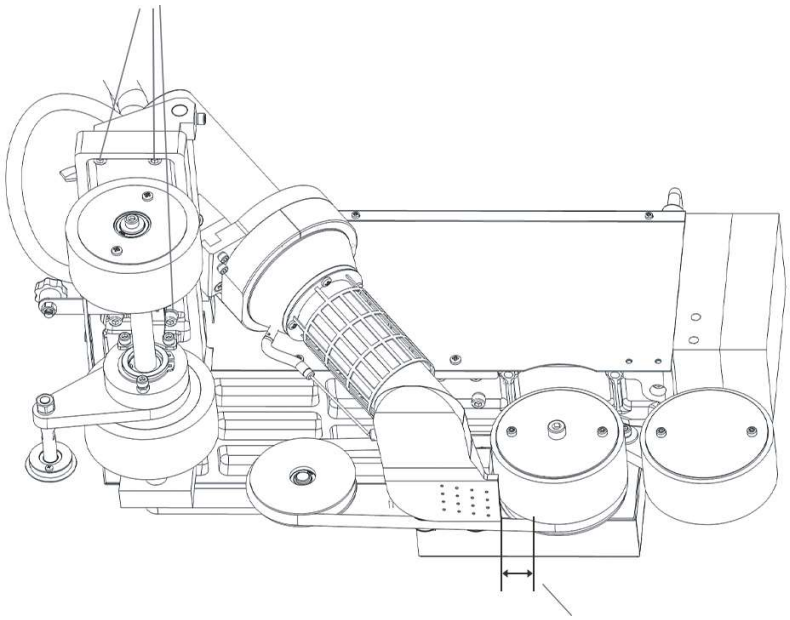
pic1



pic2

◆ Nozzle default position setting

3 pcs adjusting screws



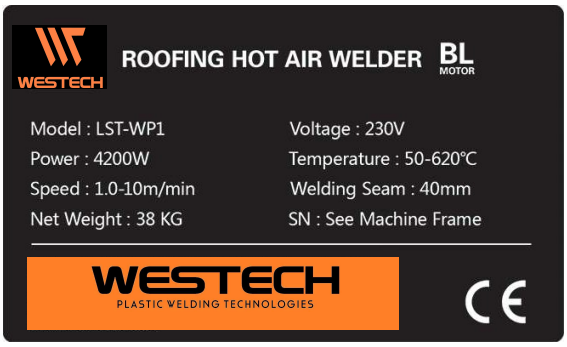
Distance between nozzle and wheel

pic3

◆ 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.



Error Code

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

Boot Steps

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.

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.

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.

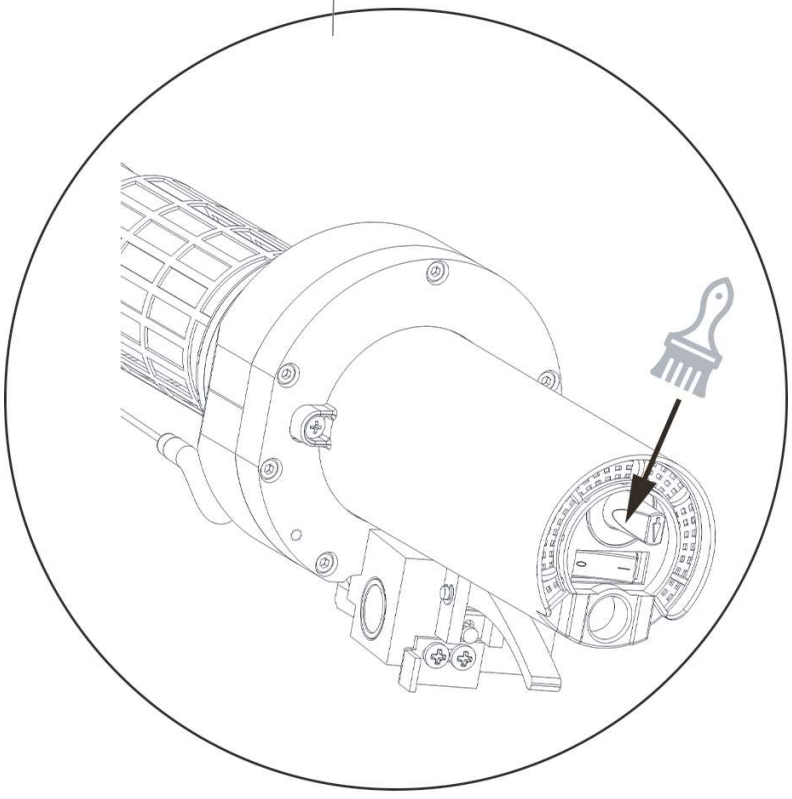
4、Pay attention to the position of the guide wheel (21) at all times. If the position deviates, you can touch the handle (11) to adjust.

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