

Introduction

Hot air welder machine is used to weld plastic of PVC, PE, DHPE, LDPE, EVA, Pp and other plastic materials that can be hot melted.

For the current status of format printing industry, Huge screen picture requires to be printed separately and then welded. Side of the picture need to be flaped. These efforts need pvc welding machine inevitably.

The traditional Methods is using glue such as 502, but the disadvantages are obviously:



- 1: The cost is very high** .A medium-sized printing company costs are up on thousands of dollars of glue one year and welding staff's wages is a very high expenditure..
- 2: The speed is very slow** .Especially in winter ,the temperature is low ,and it causes//lead to low welding efficiency.
- 3: Working environment is bad**.Glue is not only smells bad,but also is left on the hands and clothing of staff.
- 4: the effect is very bad** Welding with glue PVC is easier blistering and wrinkled after shinning of sunlight..

The PVC welding machine has great advantages in welding PVC.It costs only about 1.5 degrees per hour and can weld 8-15 meters per minute .It need only one staff to operate.It's welding effects is very good because of using the

hot-melt lamination theory. Splicing can be rolled up after 20 seconds, so it save space. The speed and temperature is adjustable according to thickness of PVC .It can be adapted to different types of materials.

The weight of welding machine is only 14 kg and (the)volume is small. It is the perfect partner for format Inkjet Printer

I : Applications : LC-3000 Intelligent: It is widely used to weld advertising inkjet fabric, inkjet cloth, light box cloth, Daogua cloth, mesh cloth, tarpaulin and other PVC, PE, DHPE, LDPE, EVA, Pp plastic materials that can be hot melted.

II : Main technical parameters

Rated voltage: AC110-240V Frequency: 50-60Hz

Power: 800-1600W Temperature range: 0-500°C

Speed scope: 1-10m/min Specifications 41*25*20cm

Weight: 13Kg welding width: 2-5cm

III、Characterics

1: welding without glue. It replaces the 502 glue and improves the working environment of workers, improve efficiency and quality of welding. It is a low-carbon and environmentally product, it is the inevitable trend of development in the future.

2: The theory is based on digital control constant temperature. It is equipped with temperature feedback sensor. The sensor can always monitoring the temperature of the outlet to keep a constant temperature. It uses advanced PID control technology, and adjust the power to make the temperature more constant automatically, the fluctuation is within 5 degrees. It

makes welding more uniform. It uses zero-crossing trigger control **IC**, there is no harmonic interference, so no matter how long the picture is, the mosaic effect will not change. While other similar products in home have many disadvantages. That ones manually adjust the firing angle with the analog control knob, harmonic interference is relatively large and leads to temperature instability. They show the temperature and the output voltage are not reflect the true temperature in fact. Their actual temperature changes with the input of the voltage fluctuated, is not constant, and sometimes above the temperature difference of up to ± 50 °C. So they are cheap but the quality is poor.

3: speed :6-10m per minute.you can ajust the speed according to setting temperature and the thickness of picture.

4: Temperature scope :0-500°C 。 Temperature can be setted with ▲ ▼ buttons according to the thickness of picture.

5: R & D capacity:Our company has all the key technology, the quality of the machineis//is in control.

6: power:1000-1600W(After Setting the desired temperature, it will automatically adjust the power according to the temperature).

7: Hot air speed of hot air gun .50-100% of the wind speed can be adjusted, so you can fight a thick picture to ensure easier,and the heater parts live longer.

8: Heater:Equiped with AC motorand it makes wind stronger, life longer (more than 2000 hours), and cost is low because you only need to replace the carbon brush.

9: Heating wire:The quality of imported heating wire is more reliable and longevity.

10: POWER:DELL Original Laptop Power, EMC is Good and quality is reliable that meet with European and American standards.

IV: Operation steps

1: First, make the picture smooth and tight, take jointer to accurate (about 2-4cm), fixed edges with tape or glue on the ground.

2: Open the power, turning handle to left to keep hot air nozzle and the rubber tire is on the straight line. Then turn the right black knob to adjust the speed, generally marked on the knob points to the location between 2 from 4. After setup, turning the handle to right until the hot air out of the ground.

3: Set the temperature degree. Open temperature switch, And turn the golden knob until it clicks and then follow the button to the end. ▲ for up ▼ for down, set the desired temperature according to thickness of picture. In general, the temperature is between 300-350°C, Or taking some picture material to aligned nozzle, If it can be melted immediately, This temperature is the one you need and to set.

4: In the welding process, if printing material is burnt, the first thing to slow down the speed or low the temperature, This can avoid to burnt picture material, but do not increase speed rapidly, otherwise the machine will run too fast to make it go straightly, this will cause the picture can not be spliced and damage the picture.

- 5: Before using ,please find the proper temperature and speed according to your printing material. If The speed is too slow it could burn the picture ,while too fast to welding strong. Therefore,It is very important that the temperature and speed are good match.
- 6: After welding , turning the handle to right to keep hot air gun from picture competly, then turn off the temperature switch(Left the gold knob untill it make a voice of clicks). No lugging the power cord and turning the power off directly, to avoid heat damage to the hot air gun. After temperature of the machine must be reduced to below 50 °C,you can plug the power or main switch.
- 7: Don't use it in rainy day, the workplace should be dry, flat and safety of fire. The machine should have technical person to oprate, it is forbid that someone use it without specific knowleage. Working voltage: 110V—220V. Strictly prohibited without permission disassemble, you should be responsible the result yourself.
- 8: Warranty period is one year, hot air and heating parts are not covered in the warranty because they are repid-wear article, we are only responsible for the supply of fitting but the cost is subject to the client.
- 9: Random spare parts: a 10m power cable, spare parts of a heater, a set of manual and video CD.
- 11we won't have other notice if our product change, Please contact with the local agents.Product description is only for reference and does not have the legal effect, our company has the final interpretation.

VI :Repair and maintenance

Fault	Remedy
Temperature is garbled, the actual temperature does not show	Check the temperature probe whether the grounding be kept vacant nozzle. View probe is broken, repair the sensor line.
Temperature not rise	Check whether the fuse heating parts, heating parts replacement if the fuse.
No power	Check the wiring is solid or not, protective tube burst.
Scratch the screen	Adjust the nozzle and parallel ground, keep the right lateral of wind mouth form the ground 1mm
Speed out of control	Replace potentiometer (black knob)
Welding is not strong	Rise temperature degree or slow the speed, Adjust the nozzle parallel with the ground. .

Maintenance equipment to be cut off the power, maintenance should by the professional and technical person