



Input voltage : 220V

Product weight : 5.8kg/pcs

Size : 32\*27\*19.8cm

## 3 in1 function YIHUA 992DA+ upgrade version Soldering Rework Station with smoke absorber

### Features:

- 1.The large-screen LCD display shows function indicators at a glance for beautiful, dynamic air flow rate displays.
2. Temperature controls utilize core technology, adopting microprocessor-PID programming for high-speed 100ms real-time tracking of air gun outlet temperatures and soldering iron tip temperatures, with real-time calibration! Outlet temperatures are extremely stable, the temperature fluctuation range $\leq\pm 1^{\circ}\text{C}$ .
3. The machine features rapid heating from room temperatures of 30 degrees up to 300 degrees in under 10 seconds.
4. The air gun/soldering iron features  $-50^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  temperature compensation.
- 5.The air gun/soldering iron features  $^{\circ}\text{F}/^{\circ}\text{C}$  conversion.
6. The air gun features manual/automatic work mode conversion.

7. The soldering iron features a sleep function that can be set from 0-99 minutes.
8. The air gun handle wire employs a high-temperature silicone wire (undamaged when 300o soldering tip contacts silicone wire for 30 seconds), stainless steel tubing, and a cutting-edge ceramic framed heating core for extremely stable and reliable performance!
9. Soldering iron handle wire employs a high-temperature silicone wire (undamaged when 300o soldering tip contacts silicone wire for 30 seconds); the heating element employs an imported high-power heating element for fast temperature compensation, particularly suitable for desoldering crude terminals, large joints, and difficult to reach spots, not to mention general solder joint desoldering.
10. The soldering iron is designed with an anti-smoke function. Fumes generated from the soldering iron are immediately sucked away via dust sheet absorption and filtration. This function helps purify the air to provide a healthier, eco-friendly working environment. Never again will users have to worry about soldering iron fumes!
11. If necessary, the product can be packaged with a vacuum-suction pen, enabling use for IC though simple removal of the soldering iron intake pipe from the suction port and attachment of the vacuum suction pen.
12. The unique ABS fan anti-lock function allows for maximum safety. When the fan unexpectedly ceases function and work stability can no longer be controlled, the system will immediately cut off the air gun power supply to ensure safety of the user and the environment.
13. The soldering iron stand is made of iron alloy with a sponge-fixed base and a fixed axis for the soldering iron wiring for greater convenience.
14. Machine components are equipped with self-detection functionality for complete, intelligent overheating, short-circuit, open-circuit, overload, and fault indication and protection.
15. The back of the machine features a main power supply switch. For added energy savings and greater safety, turn off the main power supply switch when the machine will not be used for a long period of time.

Information regarding PID programming: The core algorithm sets a frequency for measurements, comparisons, and execution to be divided into rapid 20ms, high-speed 100ms, and fast 200ms hot air gun and soldering iron temperature controls! PID is one of the most important parameters for temperature accuracy and stability! Rapid 20ms is the fastest algorithm for AC220V 50Hz applications. Cycling at 20ms for each 50Hz half-wave the program already has precise control of every power supply cycle--an industry first! A variety of high-end YIHUA hot air gun models employ rapid 20ms cycles, and the soldering iron temperature calibration is set to the two standards of high-speed 100ms and fast 200ms cycles as the temperature sensing location is within the ceramic heating

core. Taking time for temperature conveyance to the soldering iron tip and back, high-speed 100ms cycles provide optimal control speeds! (the vast majority of existing programmable cycles in industry can only reach 200ms--500ms)

**YIHUA992DA+ upgrade version have all above YIHUA992DA basic function,also additional below function :**

**A)Three-section temperature storage mode (able to store hot air gun temperature, soldering iron temperature, air volume, temperature correction, automatic hibernation, automatic and manual mode, etc. These three sections can be switched freely).**

**B)Cold air function added, able to switch between hot air and cold air.**

## Parameters

parameters		
Rated voltage	AC 220V±10% 50Hz	
power	720W±10% (Max)	
300°C Constant Temperature Power (High-Speed PID Programmed to Energy Savings)	250W±10%	
Working environment	0~40°C relative humidity<80%	
Storage environment	-20~80°C relative humidity<80%	
Dimensions	255*188*125mm	
Weight	5.11KG	
Parts parameters	Hot air rework	Soldering iron
Operating Voltage	AC 220V±10% 50Hz	AC 26V±10% 50Hz
Output power	550W	75W
Temperature range	100°C~480°C	200°C~480°C
Air Supply Mode	Diaphragm pump	---
Air Flow	28L/min(MAX)	---
Temperature Stability	±1°C (Static)	±1°C (Static)
Display Mode	LCD display	LCD display
Calibration Mode	The PID digital program proofreading	The PID digital program proofreading
PID Temperature Calibration Cycle	rapidly 20ms	high-speed 100ms
Heating Core	Ceramic columned heating element.	Imported heater
Standard nozzles/tips	(10mm,8mm,5mm,3mm,13mm) 5PCS nozzles	B

Tip ground impedance	---	$<2\Omega$
Tip of ground voltage	---	$<2\text{mV}$