Product Details

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≤±1℃.
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℃ to +50℃ temperature compensation
5.The air gun/soldering iron features ℉/℃ 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 300^{o} 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 300^{o} 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 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.
11. The soldering iron stand is made of iron alloy with brass tips cleaner ,brass tips cleaner with rosin flux reservoir,prolongs tips life by removing oxidation.
12. Machine components are equipped with self-detection functionality for complete, intelligent overheating, short-circuit, open-circuit, overload, and fault indication and protection
13. 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)

992D+ have all above YIHUA992D 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.

Machine Parameters		
Rated voltage	AC 220V±10% 50Hz	
Total Power	720W±10%（max）	
300℃ Constant Temperature Power (High-Speed PID Programmed to Energy Savings)	250W±10%	
Operating Environment	0～40℃ Relative humidity＜80%	
Storage temperature	－20～80℃ Relative humidity＜80%	
Dimensions		
weight	3.5KG	
Performance Parameter	Hot Air Gun	Soldering iron
Operating Voltage	AC 220V±10% 50Hz	AC 26V±10% 50Hz
Output power	650W	75W
Temperature Range	100℃～480℃	200℃～480℃
Air Supply Mode	Brushless-Motor Fan	---
airflow	120L/min(max)	---
Temperature stability	±1℃（static）	±1℃（static）
Display Mode	LCD	LCD
Calibration Mode	PID Digitally Programmed Calibration	PID Digitally Programmed Calibration
PID Temperature Calibration Cycle	Rapid 20ms	Rapid 20ms
Heating Core	Ceramic Framed Heating Core	Imported High-Powered Heating Core
Tip-to-Ground Impedance	---	＜2Ω
Tip-to-Ground Voltage	---	＜2mV