

# Automatic Soldering Machine with Double Work Stations



## 1. Introduction

Automatic soldering machine is used to solder tin and weld automatically. Machine key part is the soldering system, which consists of tin auto feeding device, temperature controller, heating unit and solder tip. Machine is applicable for soldering all kinds of electronic components, such as capacitor, resistor, pin, flat cable, RJ45, LED, and other heat sensitive components. Instead of manual soldering, automatic soldering machine increases soldering quality and efficiency.

## 2. Features

- Work efficiency is greatly increased with two stations working alternately and continuously.
- Soldering quality and consistency are guaranteed.
- Soldering efficiency is increased.
- Labor intensity is reduced and work environment is improved.
- Requirement for labor operation technique is lowered.
- Stable and high performance avoids vast investment in machine frequent upgrade and replacement.
- English/Chinese operation and display language, easy to learn and operate. No need to connect external controller, easy adjustment and high precision.
- With points, lines, arcs, circles, irregularly curved continuous input procedures and any position welding.
- Tin feeding amount is precisely controlled and adjustable. Temperature is also adjustable.
- Continuous high speed soldering can be programmed to achieve repeated soldering work and increase efficiency.
- Temperature adjustment, time adjustment, tin feeding speed and tin feeding

amount can all be controlled to guarantee steady high quality soldering.

- Multiple soldering heads can be equipped on the machine to solder client's products efficiently.
- Soldering path can be previewed and adjusted in time.
- Multiple soldering files can be saved in the machine. The soldering file can be called to the machine easily. No need to program the file repeatedly.
- Computer control and software programming realize multiple machine sync operations, which greatly increase work efficiency.

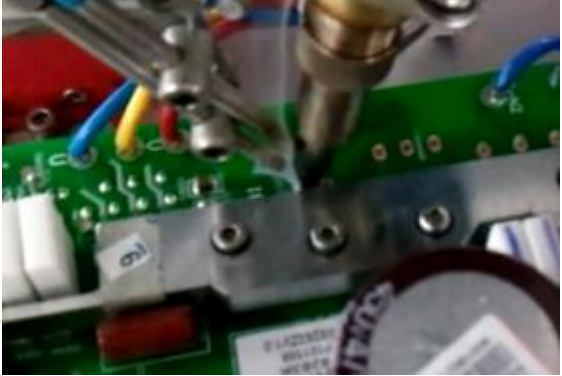

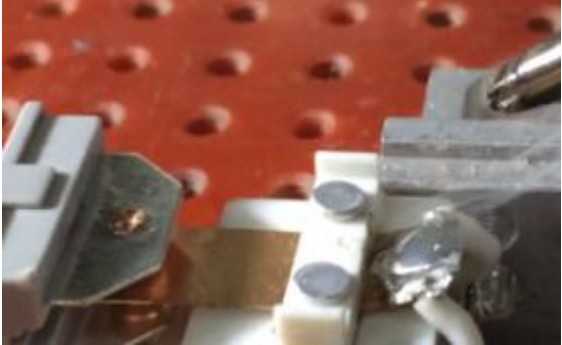
### 3. Structure



#### 4. Technical Parameters

Basic Parameters	Model		Double Work Stations
	Size		1000mm×800mm×800mm
	Weight		75KG
Working Environment	Voltage & Frequency		220V/110V, 50Hz/60Hz
	Air Supply		Clean 0.4~0.6kpa
	Air Tube Size		8mm
	Working Temperature & Humidity		0-40℃ & 20~90%
	Minimum Table Size		600mm×500mm
Temperature Controller	Heating Power		200W/300W eddy current
	Temperature Range		180-450℃
	Soldering Head		1pcs
Motion System	Axis Amount		5
	Driving System		Closed loop stepper motor & HIWIN rail
	Motion Path	X-axis	500mm
		Y1-axis	400mm
		Y2-axis	400mm
		Z-axis	100mm
		U-axis	360°
	Max Speed	X/Y-axis	500mm/s
		Z-axis	250mm/s
	Repeatability	X/Y/Z-axis	±0.02mm
Max Loading Capacity		10KG	
Programming Mode	Teaching Mode		Online/offline
	Language		English/Chinese
	Numbers of Programs		9999
Soldering Parameters	Tin Wire Size		0.6mm--1.5mm
	Single Point Soldering Time (up to point size)		0.2s--100s

## 5. Application

Applicable Products	Industry	
PCB boards	Toy, home appliances, automotive electronics, LED, etc	
Cables	Connector, IT communication, car antenna, etc	
Hardware Components	Electric appliance, hardware accessories, etc	
FPC	Data communication, connection, etc	