FULL AUTOMATIC DIP SOLDERING MACHINE

Save Tin/Save Power/Long Foot Work

THIS MODEL IS A HIGH-END WELDING EQUIPMENT CURRENTLY DEVELOPED
FOR PLUG-IN ELECTRONIC PRODUCT WELDING, IT IS THE CRYSTALLIZATION OF THE LATEST DESIGN
USING MODERN HIGH-TECHNOLOGY



SIX CORE SELLING POINTS EXCELLENT QUALITY



Patented Products Factory Direct Sales Authentic guarantee

PATENT PRODUCT MANUFACTLIRER'S DIRECT SELLING ALTHENTIC PRODUCT GUAFANTEE













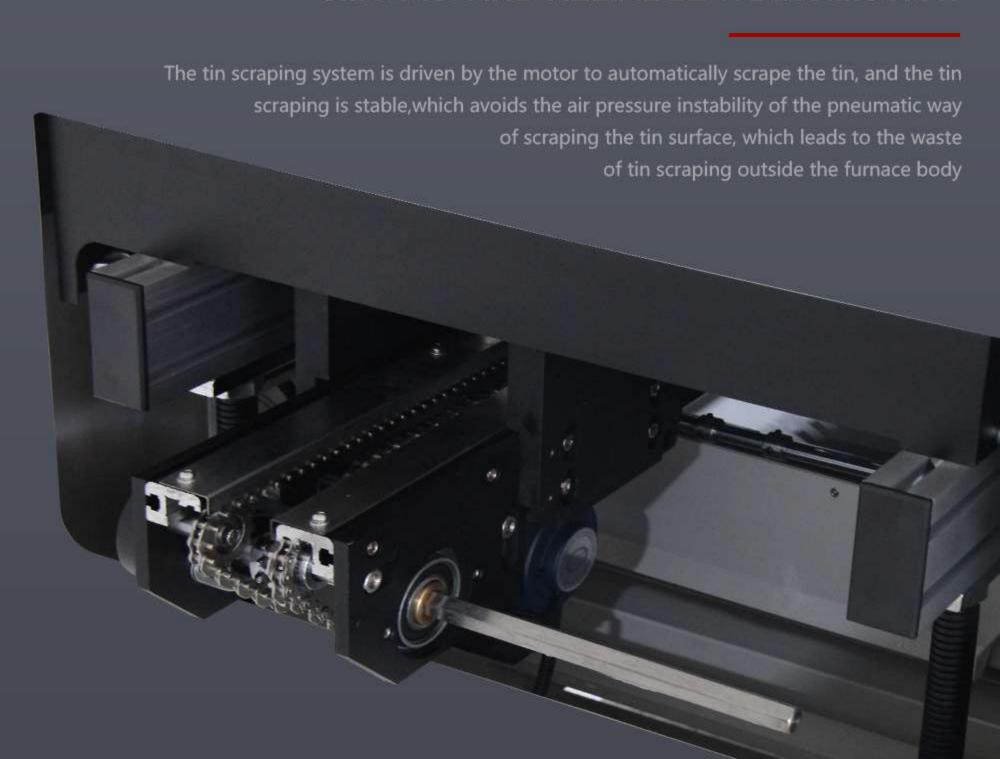
In Board Device

NO NEED FOR CONVEYOR DIRECT CONNECT TO PLUG-IN LINE

Adopt the integrated structure with the front conveying system to ensure the PCB enters the conveying system smoothly. The imported photoelectric sensor is used to ensure accurate PCB detection and effectively avoid repeated feeding.

THE MOTOR DRIVES THE CHAIN TRANSMISSION

SMOOTH AND RELIABLE TRANSMISSION



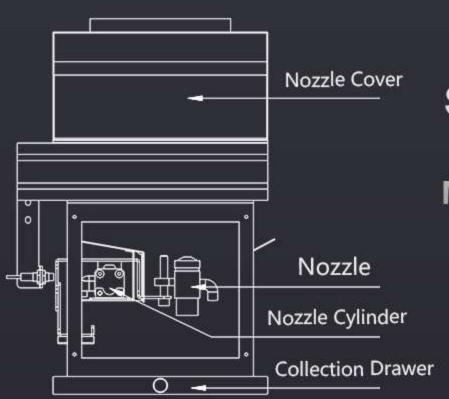
Spray System - Spray Flux

HIGH-PRECISION SPECIAL NOZZLE

STEPPER MOTOR DRIVE AUTOMATICALLY ADJUSTS SPRAY WIDTH

It adopts Stepper motor drive and high precision nozzle spray evenly,
and can monitor the length of PCB in real time to complete automatic tracking spray,
and is equipped with double curtain to prevent flux fog from spreading outward and reduce pollution.

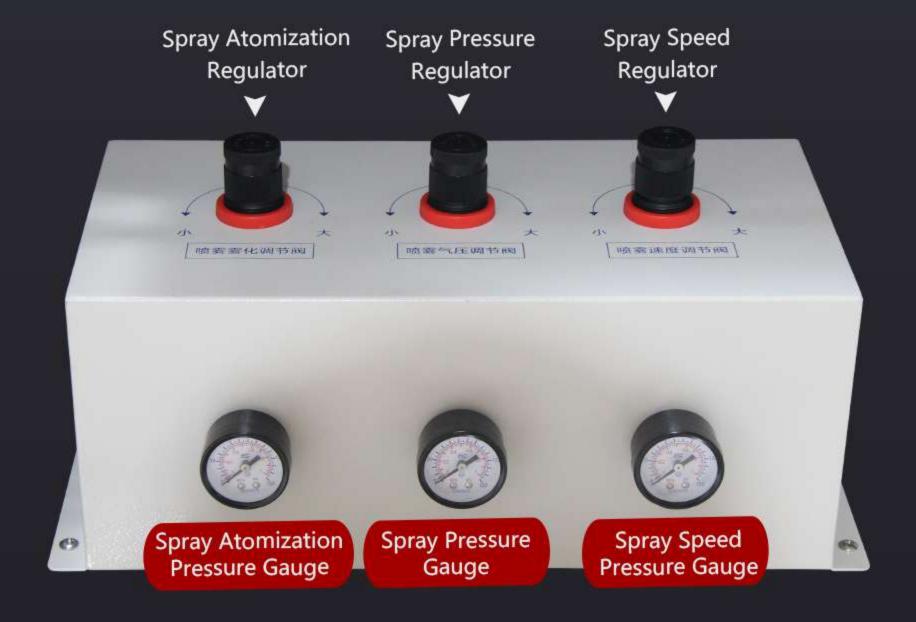




Spray

SPRAY CONDITIONING SYSTEM MORE CONVENIENT TO ADJUST THE INDICATORS

The spray system adopts cylinder drive mode and high precision nozzle spray evenly, and can monitor the length of PCB in real time to complete automatic tracking spray.



Spray Filter - Pull-Out Design

FLUX FILTER SCREEN EFFECTIVELY ADSORB EXCESS FLUX

Ensure smooth PCB conveying process, pull design to facilitate daily cleaning, keep the equipment clean environment.

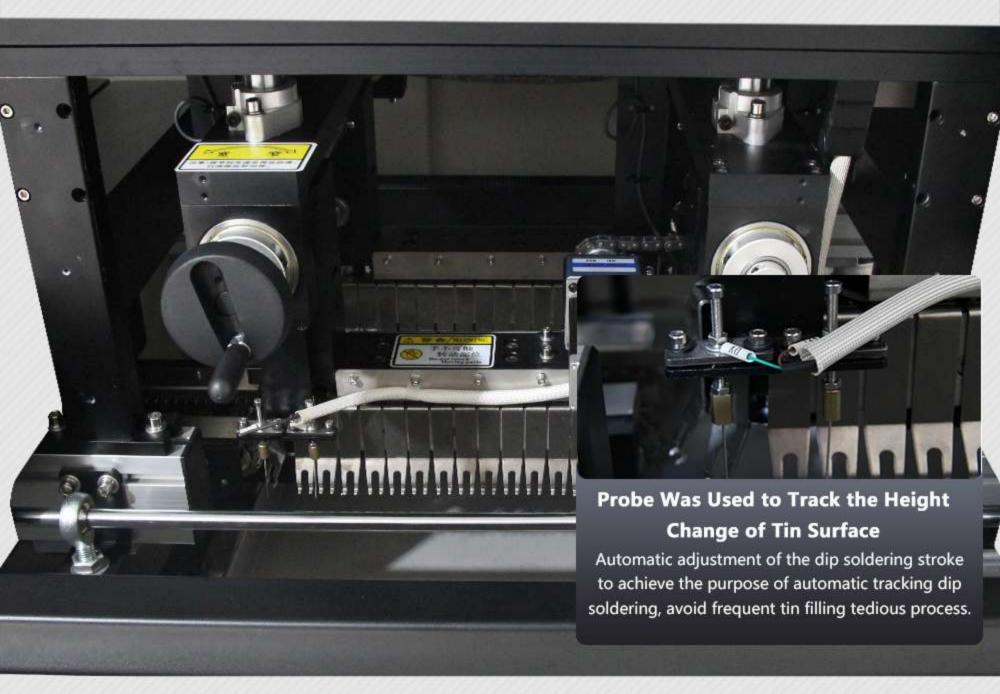




Dip Soldering - Double Closed Loop Step Drive

DIP SOLDERING SYSTEM ADOPT DOUBLE CLOSED LOOP STEP DRIVE MODE

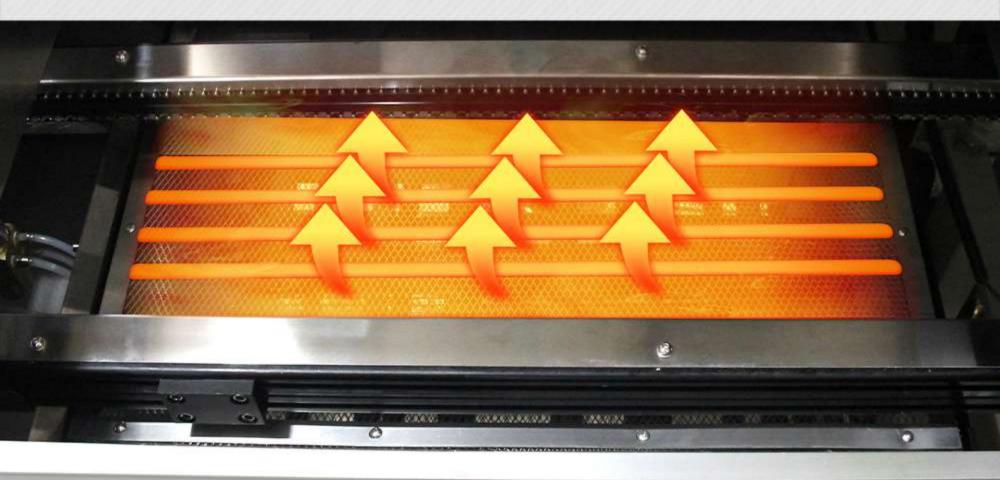
Can realize the first down first up after down after up swing action, effectively prevent tin splashing. For special PCB, direct down mode can also be adopted. There is a function switch button on the touch screen for customers to switch at will.



INFRARED HEATING PREHEATING SYSTEM



The length of heating mode of preheating system is up to 600mm to ensure the PCB surface is preheated evenly and fully. The temperature control mode adopts PID+SSR closed-loop control to ensure the precision and stability of control.

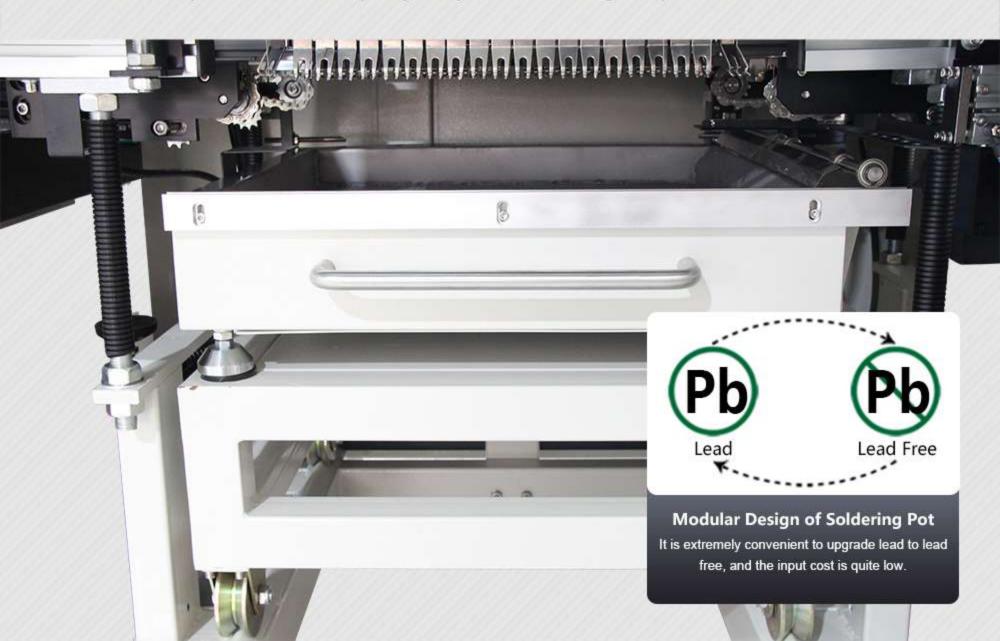


Soldering

AUTOMATIC TIN SURFACE DETECTION

Compact design of furnace only needs 80KG tin bar to reduce investment cost.

No need to frequent tin, soldering angle adjustable, tilt Angle adjustable



Soldering Pot

THE SODERING POT POSITION ADJUSTMENT

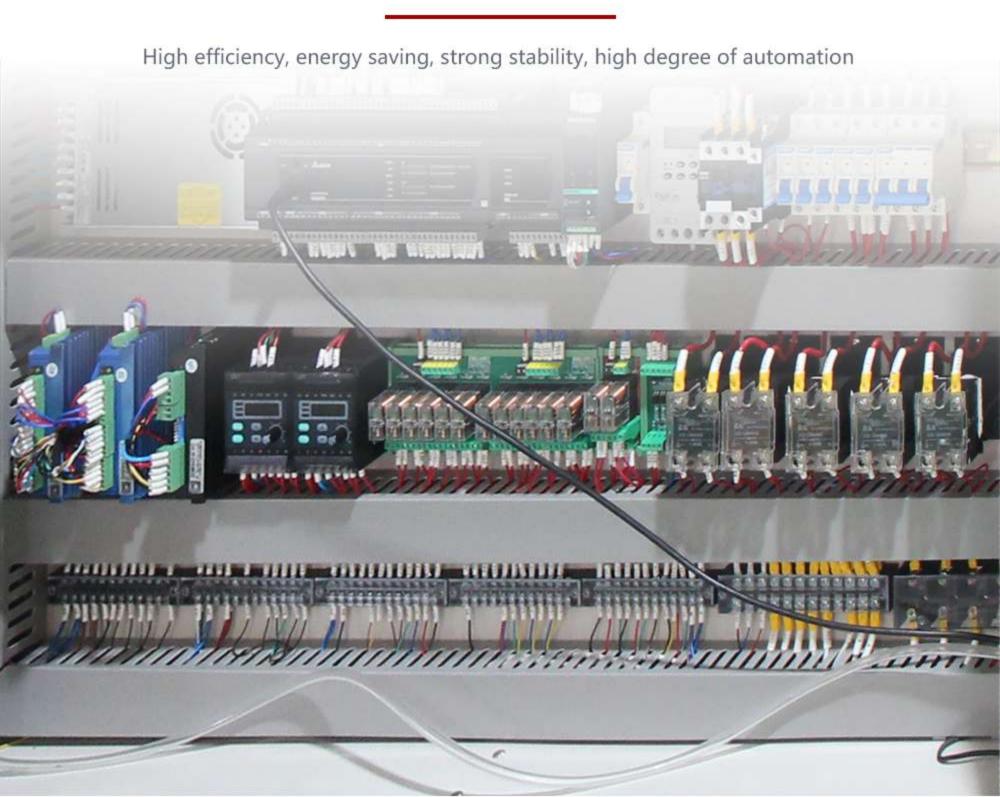
The soldering pot bracket is connected and fixed with the frame bolts through the fixed plate, which can be freely disassembled and assembled.

The bottom of the soldering pot is about 58mm away from the bracket, the distance from the left side of the soldering pot to the support can be about 5mm.



Configuration

HIGH-END BRAND ELECTRONIC CONTROL SYSTEM



USER-FRIENDLY OPERATING SYSTEM IS EASY TO GET STARTED



The control system adopts touch screen&PLC to make the operation simple and convenient.





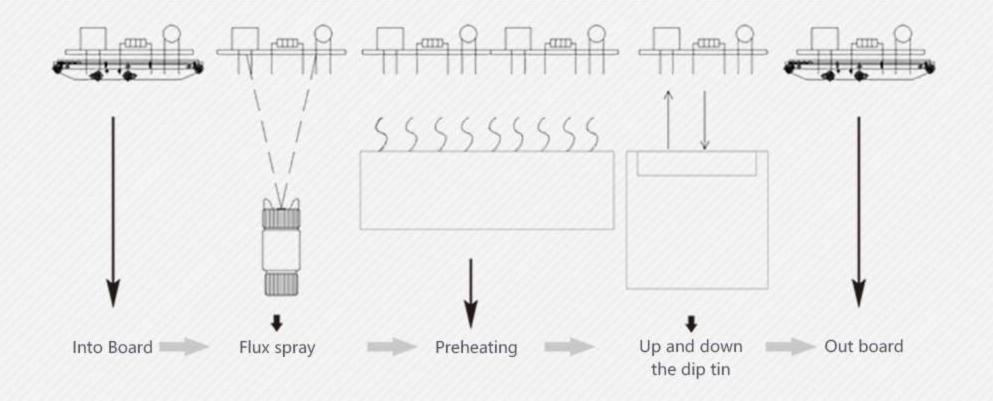


[TECHNICAL PARAMETER]

	Name	Full Automatic Dip Soldering machine	
	Model	ZB350M	
	Frame size	I2600*w1100*h1675mm	
	Overall size	I2600*w1050*h1680mm	
Machine	Weight	650kg	
macinie	Power supply	AC380V/220V 50Hz	
	Starting power	11KW	
	Running power	3KW	
	Control system	Touch screen&PLC	
	Output	MAX.2200PCS/8H	
	spray start and stop mode	automatic tracking PCB length start and stop	
Spray	transmission mode	mechanical rodless cylinder	
	spray pressure	0.25Mpa-0.4Mpa	
	spray form	spray	
	nozzle type	(Taiwan Weiner)	
	flux capacity	5.5L	
	preheating mode	Infrared heating	
Prehea Ting	temperature control mode	PID+SSR	
	preheating zone number	TID*55IN	
		600	
	preheating zone length	600mm	
	Temperature adjustable range	Indoor Temperature-150°C	
	preheating zone heating time	10min(set temperature150°C)	
	preheating zone power	6KW	
	Width of the PCB	50mm-250mm	
	PCB transmission direction	L→R	
200	Transport section number	Section 3 (Into the board transfer + tin leaching + out board transfer)	
Transport	Range of transmission speed	1-74mm/s	
	Transport height	750±20mm	
	PCB component height allowed	<60mm	
	Allowable PCB component pin length	<35mm	
	Minimum PCB size allowed	MIN.50*130mm	
	Maximum PCB size allowed	MAX.250*350mm	
	Speed control mode	Touch screen to change parameters	
	The mode of transportation	Nickel plated 35B chain	
	Guide rail width adjustment mode	Hand adjustable wide	
	Dip tin way	Closed-loop stepper motor drives up and down dipping tin	
Dip tin	Dip tin incline height	0-30mm	
STATE OF STATE OF	Dip tin fast speed	1-80mm/s	
	Dip tin slowly	1-20mm/s	
	Dip tin time	1-99s	
	Tin surface detection method	Probe automatic tracking detection	
	Add tin way	Manually add tin	
	Tin surface too low alarm mode	Beep + text prompt	
	Dip tin chain claw	Double claw (titanium alloy)	
	Soldering pot type	regularly	
	Soldering pot structure	Externally heated Soldering pot	
Soldering	Soldering pot material	Independent modular type 304 stainless steel/titanium alloy 6=2.0mm	
pot	Soldering pot heating plate power	3000 w * 2 = 6 kw	
	Maximum Soldering pot temperature	400°C	
	Soldering pot capacity	Article 70 kg tin (63/37)	
	Soldering pot capacity Soldering pot heating time	40min(set temperature 260C)	
	7.64	PID+SSR	
	Soldering pot control mode	The state of the s	
	The Soldering pot is switched on	· · · · · · · · · · · · · · · · · · ·	
	Scraping the tin way	Automatic	
	Scraping drive mode	Gear Motor	
Scraping the tin	Scraping the tin speed	160mm/s	
	Scraper number	The 2-stage row is removable	
	Scraping the tin cycle	1-50 times is adjustable	
Clean	cleaner	Alcohol	
olean	Alcohol tank capacity	2.4L	

[SCHEMATIC DIAGRAM OF SOLDERING PRINCIPLE]



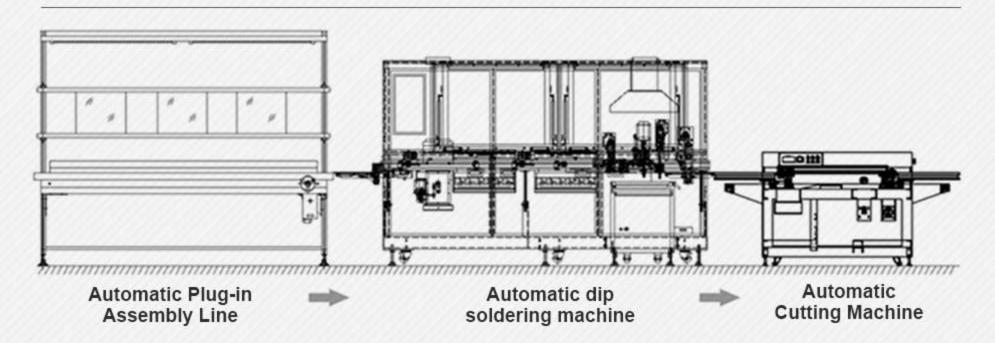


[PERFORMANCE ANALYSIS COMPARISON TABLE] =



Device Name	Hand Dip Tin Stove	Wave Soldering	Automatic Welding
Staff	1 Skilled Worker	NO	NO
Solder input	10-60KG	250-350KG	80KG
Tin consumption	0.5-1KG	2-5KG	0.5-1KG
Power consumption	1-3KW	11KW	3KW
Structure	Open, Poor environment	Enclosed and Tidy	Enclosed and tidy
Form a complete set of equipment	Spray stove, smoking facilities	The input machine and output machine, cannot connect to the automatic foot cutting machine	Without input machine, can directly docking plug-in line, can be directly matched with automatic foot cutting machine
Applicable Process	Long foot/short foot component circuit board welding	Only suitable for short foot, component circuit board soldering	Long foot/short foot, componen circuit board soldering

[SCHEMATIC DIAGRAM OF THT SOLDERING PROCESS]





INTERNATIONAL SERVICE CENTER





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