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- 📍 Cairo, EGYPT. 3 Abou Tamam st., Hadayak El Kobba. (+2) 02 233 023 99 (+2) 01 22 22 00 787
- 📍 Shenzhen, CHINA. 1709B Saige st., Hua Qiang Bel, Futian District.
- 📍 Kowloon, Hong Kong. 5/f Hang Pont Commercial Building ., 31 Tonkin st., Cheung Sha Wan.
- 📍 Vietnam : 0084-1688370651 📍 Malaysia : (+6)13416407902 📍 Kuwait : (+9)6560617291 📍 Sudan : (+2)49910745498

🌐 www.santsgroup.com ✉ info@santsgroup.com

PICK AND PLACE MACHINE (Four Nozzle)



Product name: LED PICK AND PLACE MACHINE (Four Nozzle)

Model: SIT-120MH

Product description

1. Panasonic Servo Motor, imported railway to ensure its stable and accuracy.
2. X.Y axis adopts Panasonic Servo Drive, cooperated with imported liner railway ensures its accuracy



and speed.

3. Four pieces of high-speed heads work at the same time, greatly improve the equipment performance to price ratio. Nozzle adopts imported railway with high precision and durable lifetime.

4. Easy operational program, much more convenient, automatic vision makes position fixing more accurate and convenient.

5. Multi Feeder optional, can meet different kinds of LED mounting.

6. Powerful software adopts numbers and images to display the program coordinate, easy and more convenient.

7. Software has powerful functions, programming coordinates using numerical and graphical display, coordinates correction and convenient change, graphical display patch schedule production process and components and re-put materials is convenient.

8. Platform: Y axis, X axis can be moved manually, speed adjustable, can achieve arbitrary point manual arrived, convenient programming.

9. Imported vacuum detection system can check the suction accurately to prevent material leakage and throwing effectively.

10. Internal negative pressure system: low noise, long service life and vacuum pressure constant.

11. Standard setting: 1 PC, 8 mounting heads, 16 nozzles.

12. Optional: 8mm, 12mm, 16mm, and 24mm automatic feeder, different nozzles, industrial pump, air compressor .



Model	SIT12-MHTV
Mount head	4 pcs
Max circuit board size	1200*300mm
Max moving range	X axis 1220mm, Y axis 430mm
Max moving range of Z axis	20mm
Stable Mounting speed	13000 cph
Max mount speed	15000cph
Mount accuracy	±0.01mm
Position method	Visual positioning , additive with Visual camera correction(v) -patent
Component available	SMD Components & leds : 0603 above like 0603,0805 , 1206,3014, etc . Resistance capacity parts 0603 -1608, chip 3528 and 5050, and various kinds of led , meet the SOP ,SOT chip SMT and compatible with all kinds of high power chip
Programme method	automatic Computer graphical programming + visual camera position With automatic scanning bonding pad function no need manual programming
Belt feeder	8mm, 12mm, 16mm , 24mm and 32mm



Feeder num	Normal 4 pieces ,Most extensions can be placed 7 pieces feeders
Operation system	WINDOWS XP
Compressed air	Self-patent internal vacuum device
Power supply	220V,50Hz, 0.5 KW (save energy)
Weight	500kg
Dimension	2000*800*1250mm (smaller save place)





Model : SIT-K80MH

Product description

1. Adopts import guide rail and geared motor drive the scraper seat, it can print preciously;
2. The printing scraper can rotate 45 degrees upwards to fix, convenient for printing screen board and scraper cleaning and replacement.
3. The scraper slide back and forth, to choose the appropriate printing position.
4. The combined printing platen has a fixed groove and PIN, easy installation and adjustment, suitable for single, double panel printing.
5. Combined with the printing (PCB) in X, Y, Z. Correction of fine-adjustment is convenient and quick.
6. PLC and touch screen control, simple and convenient to operate.
7. Can set the printing cycles, available multi-printing mode easy parameter setting.
8. Automatic counting function, convenient production statistics.
9. The touch screen have screen saver function, the time of screensaver can set freely, that protect and prolong the touch screen service time.
10. The scraper Angle is adjustable, steel, rubber scraper is suitable.
11. AE unique program design, printing scraper base convenient adjustment.



12. Printing machine speed touch screen display, can be regulation.

Max board size	1200×300mm
Printing table size	1280×320mm
Screen frame size	440×370mm~1400×550mm
Squeegee speed	0-100mm/sec
Power requirements	220v 1P 50/60hz
Power for operation	100w
Positioning system	pc outer or pin positioning
Adjusting for table	Front/back±10mm Right/left±10mm
Printing accuracy	±0.02mm
Repeating accuracy	±0.02mm
Air used	4-6kg/cm ²
Machine dimension	1600x900x1650mm



Lead-Free Hot Air Reflow Ovens Model : SIT-810MH

Product description

Windows XP operation software with Chinese and English alternative. Whole system under integration control can analyze and display the failure. All production data can be saved completely and analyzed.

PC& Siemens PLC controlling unit with stable performance; high precision of profile repetition can avoid product loss attributed by abnormal running of the computer.

Unique design of the thermal convection of the heating zones from 4 sides provides high heat

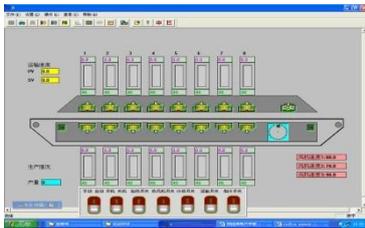
efficiency;

T between 2 joins zones can avoid the temperature interference; It can shorten the temperature difference between big-size and small component and meet the soldering demand of complex PCB.

Forced air cooling or water cooling chiller with efficient cooling speed suits all different kinds of lead-free soldering paste.

Low power consumption (8-10 KWH/hour) to save the manufacture cost

With complete alarms system ,failures can be listed on the PC interface



Operation System

Basing on Windows XP operation software ,both English and Chinese versions are available.

Many functions can be achieved automatically on PC.



Control System

Siemens PLC+ Industrial PC ensures precise controlling unit and stabilized performance.

	<p>Air Cooling System</p> <p>Forcible air cooling with low temperature complies with the demand of lead-free process.</p>
	<p>Modularized Heaters</p> <p>Modularized heaters can be removed for maintenance conveniently.</p>
	<p>UPS Power</p> <p>UPS provide backup power of the machine, and PCB will not be damaged while breaking-off or overheating.</p>

Model :	SIT-800-MH	
Heating zones	Upper 8 zones ,down 8 zones	
Heating system	Heating length	3140mm
	Heating type	whole hot air circle
	Max pcb width	400mm



Transporting system	Transmission direction	L→R
	Transmission net height	880+-20mm
	Transmission type	Chain rail & mesh belt
	Transmission speed	0-2000mm/min adjustable
Control system	1.Power supply	A3ø380V 50/60Hz
	2.Set-up power	36kw
	3.Working power	7kw
	4.Heating time	About 15 minutes
	5.Temperature range	Room temperature ~400°C
	6.Temperature control	PID control and SSR drive
	7.Temperature accuracy	±1°C
	8.Abnormity warning	Temperature abnormity warning
Dimensions	4200L*990W*1400H mm	
Net weight	About 1000kg	



Computer Lead-free Dual Wave Soldering Machine

Model : SIT-PC-3050MH

Product description

Windows XP operation software with Chinese and English alternative available, whole machine under



integration control can display the failure and save all production data for further analysis.

External streamline design and modularized design inside is not only nice-looking but also easy for maintenance.

Flux sprayer creates good atomization with low consumption of flux.

Turbo-fan exhausting with shielding curtain can prevent atomized flux spreading to the preheating zones and ensure the operation safety.

Modularized heaters in preheating convenient for maintenance; Heating under PID control achieves stable temperature and smooth profile, which can solve the difficulty during lead-free process.

Soldering pot employing high-strength and distortion-free cast iron produces super thermal efficiency.

Wave spouts made of Titanium ensures little thermal distortion and low oxidation.

With automatic timing start-up and power-off of whole machine.

Specifications	SIT -3050-MH
Dimensions	L4500*W1450*H1750mm
Weight(Kg)	Approx: 1200Kg
Startup Power	25kw
Run Power	8kw
Control Method	PC+ SIEMENS PLC Control
Power	AC380V 50Hz/60Hz



Push type	Air cylinder
Spray Pressure	0.3-0.5MPa
Spray wash	Auto Wash
Flux control	0-100ml
Auto fill flux	Auto Fill
Ducting Dimensions	D 200mm
Exhaust	Up Exhaust
Pre heater Mode	Hot air or IR tube
Pre heater Zone number	3
Pre heater length	1800mm
Pre heater Temperature	25°C~250°C
Warm up time	Approx. 15min
PCB width	50-350mm
Conveyor Direction	L-R
Conveyor Speed	0-2000mm/min
Conveyor High	750±20mm
PCB High	Top 120mm Bottom 15mm
Speed Control	Frequency
Finger	Dual Hook Finger
Conveyor Angle	4°-7°



Solder Wave Driver	Motor Drive
Solder Pot Material	Titanium , 316SUS
Pot Power	9kw
High temperature	350°C
Pot Capacity	300-400Kg
Wave Motor Power	1/2HPx2 3P220VAC
Cooling Method	Forced air
Finger Cleaning System	Auto

