

DOUBLE FOUR HEAD FULLY AUTOMATIC INTELLIGENT SMT MACHINE

More professional/more efficient/more practical/smarter

◎ 24000 Pcs/h
speed

◎ ≤ 0.01 mm
positioning accurac

◎ 87/102_{position}
number of feeders

◎ >24_H
continuous working time



Large batch production to meet your different needs



Enable developers to focus on research and development, and enable producers to easily carry out production

Product features

Intelligent software

Software operation wizard guide, Combining multiple optimization algorithms, To maximize the replacement of human participation by machine algorithms, Simple programming, easy to learn, easy to use, one-click engineering optimization, automatic call component database, programming only 5 minutes, The left and right machines are controlled by one computer, The same software, the same interface, human-computer interaction is convenient and intuitive, greatly reducing the novice entry time.

Fast and convenient

Powerful BOM merging function, automatic allocation of suction nozzle order, automatic acquisition of suction coordinates, automatic optimization of layout and SMT path, and direct access to a sound component attribute function library for quick and convenient engineering replacement.

Efficient mounting

Three-stage Enter the edition, built-in component library, path optimization, centralized material collection, majority priority, mixed pasting speed up to 24000pcs/h, Left and right mount distribution, Can synchronize conversion, High efficiency, Greatly improve production efficiency.

Structural science

The whole machine adopts integrated cast iron structure, stable operation, significant noise reduction, stable and reliable performance, supporting 24h non-stop operation in continuous working state, the rate of mounting finished product can reach 99.7%, greatly reducing your loss cost.

Ultra-wide range

The size of the components can be used, the minimum can be affixed 0201, the maximum patch range is 35*35mm, the maximum can be affixed 20mm, to meet your production needs to the greatest extent.

Technical Parameter

Model	HW-M8-87/102F				
Patch accuracy	0.05mm		Repeat loading accuracy	0.05mm	
Positioning accuracy	0.01mm		Continuous working hours	Can work continuously > 24H without shutdown	
Patch speed	20000-24000pcs/h				
Patch area	350*370mm without tray--50*50mm		Scope of patch	0201,0402,0603,0805,1206, LED beads, diode, triode, SOT, 30 * 30mm, pin spacing greater than 0.3mm GFP, BGA, etc., acceptable visual customization of alien components	
	350*125mm with tray--50*50mm				
Pending head system	Number of suction mouth	8	Feed system	Quantity of feeder	87 / 102 bits (subject to 8mm feeder)
	Nozzle type	JUKI ORUI is applicable		Types of feeder	Electric feeder, vibration feeder, IC tray, etc
	Component Angle Support	±180°		Feeder type	The NXT Feeder is applicable
	Available element height	≤20mm		IC material disc digits	2 disc (96 bit)
	Take the same way	Multiple mount head to take together		IC disk size	L330*W280mm
	Vacuum buffer range	4.5mm		Security system	Feeder to turn up the alarm function
	Maximum trip on the Z axis	50mm		Method of feeding and feeding	Automatic layout of material distribution, automatic positioning of material collection coordinates
PCB board transfer system	Baseline thickness	≤3mm Automatic mode requires a 3-5mm process edge	Gas supply system	Vacuum source	Vacuum pump
	Orbital regulation	Manual / electric automatic regulation		Vacuum mechanism	High-speed vacuum failure valve
	Transmission mode	Default from left to right board, support both sides of the connection function, three-step board		Bleed pressure	0.4-0.5mp
	Security system	Anti-static conveyor belt, transfer board sensor		Gas source requirements	Oil-water separation device requires no less than 60L external, dust filtration and pressure stabilization device
Kinetic control system	Operating system	Based on the windows system, we independently developed the intelligent operating system	Vision system	Identify equipment	1 Mark camera, 8 high-speed recognition cameras, 1 high-precision camera
	Control the host	Intel high performance processor control host		Indicator	17-inch industrial control display
	Driving system	High-speed DSP drive, an AC servo motor		How to take photos	Fixed shot flight pair center
	Security system	Emergency stop button, three-color alarm light, open cover, slow speed / stop		RM	8 heads identify simultaneously and take materials simultaneously
	XY maximum stroke	(One side)420mm*740mm		Mark point identification	Manual / fully automatic positioning
	XY drives the track	Straight guide rail + grinding wire rod		Security detection	Leakage material automatic correction, component Angle automatic correction, invalid material automatically thrown
	XY motor pattern	Intelligent curve acceleration and deceleration linear linkage, with straight line insertion algorithm		Programming method	Import the coordinate file, one-key automatic programming, the optimal path planning
	Exercise protection	High wear-resistant tank chain and flexible cable		Compatible file format	The CSV / TXT file format can be imported directly
Circuit protection	Leakage protector, thermosetting shell, insoluble not melt; excellent interface, no cracking, leakage prevention		Power	AC 220V 50/60Hz 1500W	
Outline dimension	(Before packaging)L1730*W1350*H1450mm		Weight	(Before packaging)1200kg	
	(After packaging)L1830*W1480*H1640mm			(After packaging)1300kg	