华维国创
WGC

Wise choice for large and medium-sized enterprises

Fully Automatic eight head placement machine

- ◎ 12000Pcs/h — speed
- ◎ ⩽0.01mm — precision
- ◎ 72/80bits — Feeder
- ◎ >24H — Continuous working hours

Precision/Intelligence/Efficiency/Stability/Convenience

Let developers do research and development at ease, so that producers can easily do production

Product characteristics

Intelligent software
Software operation wizard guidance, combination of a variety of optimization algorithms, to a large extent to replace manual participation with machine algorithms, minimalist programming, simple and easy to learn, easy to use, one-click engineering optimization, automatic call component database, programming only 5 minutes.

Precision drive
Equipped with high-definition cameras and powerful visual algorithms for precise recognition, using high-precision AC servo motors, Cooperate with high-precision screw， The accuracy of the patch can reach ±0.05mm.

High efficiency patch
Three stage feeding, built-in component library, path optimization, centralized material collection, majority priority, and mixing speed up to 12000 pcs/h.

Structural science
The whole machine custom structure, smooth operation, significant noise reduction, stable and reliable performance, support 24h non-stop operation in continuous working state, surface mount product rate can reach 99.7%, greatly reducing your loss cost.

Fast and convenient
Automatically assign the suction nozzle sequence，Automatically obtain suction coordinates，Automatic optimization layout ，Directly calling the component library，Quick engineering replacement, convenient and fast。

Technical parameter

Model	HW-T8-72/80F				
Patch accuracy	**0.05mm**		**Repeat loading accuracy**	**0.05mm**	
positioning accuracy	0.01mm		Continuous working hours	Can work continuously> 24H without shutdown	
Patch speed	10000-12000pcs/h				
Patch area	(72F)470*420mm without tray / 470*300mmwith tray --50*50mm (80F)470*360mm without tray/ 470*220mmwith 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	
Pending head system	The number of suction mouth	8	Feeder system	Quantity of feeder	72/80position (以8mmTake 8mm feeder)
	Nozzle type	JUKI ORUI is applicable		Types of feeder	Electric feeder, pneumatic feeder , vibration feeder, IC tray, etc
	Component Angle Support	±180°		Feeder type	Applicable to the YAMAHA CL series feeder
	Available element height	≤7mm		IC material disc digits	3 plates (286 bits)
	Take way	Double head with		IC disk size	L460*W350mm
	Vacuum buffer range	4.5mm		Security system	Feeder to turn up the alarm function
	Maximum trip on the Z axis	20mm		Method of feeding and feeding	Automatic layout of material distribution, automatic positioning of material collection coordinates
The PCB board transfer system	Baseline thickness	3-5mm process edge is required in the automatic mode	Gas supply system	Vacuum source	Double coil vacuum generator (with high speed break of vacuum failure)
	Orbital regulation	Manual / electric automatic regulation		Vacuum mechanism	High-speed, high-flow vacuum generator for active destruction
	Transmission mode	Default from left to right board, support both sides of the connection function, three-step board		Bleed pressure	0.5-0.6mp
	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 (OS)	Based on the windows system, we independently developed the intelligent operating system	Vision system	Identify equipment	1 Mark camera, 8 high-speed recognition camera, 1 high-precision camera
	Control the host	Intel high performance processor control host		Display	A 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		Recognize way	8 heads identify simultaneously and take materials simultaneously
	XY maximum stroke	645mm*680mm		Mark point identification	Manual / fully automatic positioning
	XY drives the track	Linear guide rail + rolling / grinding wire rod (optional)		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 1000W	
Outline dimension	(Before packaging)L1375*W1420*H1400mm (After packaging)L1470*W1580*H1550mm		Weight	(Before packaging)500kg (After packaging) 590kg	