

# A NEW GENERATION OF EXQUISITELY EFFICIENT

## Fully automatic four head placement machine

◎ 8000 Pcs/h  
speed

◎  $\leq 0.01$  mm  
precision

◎ 44/50 bits  
Feeder

◎  $> 24$  H  
Continuous working hours



Meet your different scene needs from multiple perspectives, research and development/teaching/scientific research/small batch production





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

## Product characteristics

**Intelligent software** The system is highly intelligent algorithm one-click optimization, Combination of multiple optimization algorithms, System intelligent distribution complex and mass, mounting layout, Minimalist programming, easy to learn, easy to get started, programming only 5 minutes greatly reduce the novice entry time.

**Precision drive** Equipped with high-definition camera and powerful visual algorithm accurate recognition, using high-precision AC servo motor, with high-precision screw, mounting accuracy up to  $\pm 0.05\text{mm}$ .

**High cost performance** Fuselage lightweight, fuselage is small, complete performance, Software installation accuracy is comparable to that of large machines, Affordable, spend less money, do the most things, low investment, high return.

**Multiple choices** The whole machine has two types of desktop and vertical models to choose from, there are 44 material station and 50 material station two specifications to choose from, you can choose the most suitable model according to your actual situation.

**Compact body** Size of the placement machine, Length 950mm\* Width 1190mm\* height 780mm, 78CM on the side, Entry door 80CM accessible, Easy to transport,

## Technical parameter

Model	HW-T4-44/50F				
Patch accuracy	0.05mm		Repeat accuracy	0.05mm	
positioning accuracy	0.01mm		Continuous working hours	Can work continuously > 24H without shutdown	
Patch speed	5000-8000pcs/h				
Patch area	(50F) 350*130mm with tray/350*190mm without tray--50*50mm		Patch Scope	Suitable for 0201,0402,0603,0805,1206, LED Lamp bead, diode, triode, SOT, 30 * 30mm, pin spacing greater than 0.3mm GFP, BGA, etc., acceptable visual customization of alien components	
	(44F) 350*200mm with tray/350*260mm without tray--50*50mm				
Pending head system	The number of suction mouth	4	feed system	Quantity of feeder	50bit/44 bit ( subject to 8mm Fida)
	The nozzle type	JUKI RUI is applicable		Types of feeder	Electric feeder, pneumatic feeder, vibration feeder, IC tray, etc
	Component Angle Support	$\pm 180^\circ$		feeder type	Applicable to the YAMAHA CL series feeder
	Available element height	$\leq 7\text{mm}$		Number of IC disk	1disc (48bits)
	Take the same way	Double head with		IC disk size	L320*W150mm
	Vacuum buffer range	4.5mm		Pending method	Automatic optimization of materials
	Maximum trip on the Z axis	20mm		Method of feeding	Manual / automatic pickup
The PCB board transfer system	Baseline thickness	$\leq 3\text{mm}$ automatic mode 3-5mm process edge	gas supply system	Vacuum source	Vacuum generator (high speed break with vacuum damage)
	Orbital regulation	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, single section 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 50L 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	One Mark camera, four high-speed recognition cameras, and one high-precision camera
	Control the host	Intel high-performance processor industrial 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		Identification mode	4 heads simultaneously identify, and simultaneously take the material
	XY maximum stroke	440mm*570mm		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 600W		
outline dimension	(Before packaging) L900*W1140*H875mm (After packaging) L1000*W1240*H1000mm	Weight	210kg		