

LARGE-AND-MIDDLE-SIZED WISE CHOICE FOR ENTERPRISES

Automatic eight head placement machine

◎ 13000 Pcs/h

speed

◎ ≤ 0.01 mm

positioning accurac

◎ 96 position

number of feeders

◎ > 24H

continuous working time



Precision / intelligent / efficient / stable / convenient



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

Product Features

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 camera and powerful visual algorithm accurate recognition, using high-precision AC servo motor, with high-precision screw, the chip accuracy can reach $\pm 0.05\text{mm}$.

Efficient mounting

Three-stage feed plate, built-in component library, path optimization, centralized extraction, Majority first, Increased to 96 material stations, the mounting speed can reach 13000pcs/h.

Fast and convenient

Automatically allocate nozzle sequence, automatically obtain suction coordinates, automatically optimize layout and patch path, Directly call the component attribute function library, Quickly replace projects, convenient and efficient.

Technical Paramete

HW-DU800-96F

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Number of mounting heads	Eight sets of high-precision mounting heads	control host	Intel high-performance processor industrial control host
Number of IC trays	48	Track adjustment mode	power-driven
Number of feeders	96 bits (based on 8mm feeders)	Nozzle buffer range	4.5mm
Patch accuracy	$\pm 0.05\text{mm}$	Element Angle support	$\pm 180^\circ$
Positioning accuracy	$\pm 0.01\text{mm}$	Drive motor/system	High speed DSP drive, AC servo motor
Patch speed range	10000-13000cs/h	Maximum z-axis travel	50mm
Range of mount components	Suitable for 0201,0402 LED , beads, diode, triode, SOT, 30 * 30mm, pin spacing greater than 0.3mm GFP, BGA, etc., acceptable visual customization of alien components	feeder	Support NXT electric flying, vibration flying, IC tray and so on
PCB mounting area	50*50mm-470*330mm	Air source requirements	Oil water separation device, requiring an external connection of no less than 60L, dust filtration and air pressure stabilization device
Height of original components for mounting	$\leq 20\text{mm}$	Vacuum source for suction nozzle	vacuum pump
Identify Device	1 MARK camera, 8 high-speed recognition cameras, 1 high-precision camera	Vacuum mechanism	High speed vacuum breaking valve
Identification method	Simultaneous recognition of 8 heads	Mpa	0.4-0.5mp
PCB transfer mode	Three stage template, Automatic connection from left to right, automatic PCB positioning,	operating system	Based on the Windows system, independently developed SMT intelligent operating system
MARK点支持	Manual/fully automatic positioning	Visual Display	17 inch industrial control display
Programming method	Import coordinate files, one click automatic programming, optimal path planning	cable	High wear-resistant tank chain and flexible cable
movement system	Huawei Guochuang Operation Control System	PCB requirements	In automatic mode, a 3-5mm process edge is required
XY maximum travel	645mm*680mm	Power supply/average power	AC 220V 50/60Hz 1000W
XY drive track	Linear guide rail+rolling/Grinding screw(Optional)	External dimensions	L1370*W1500*H1400mm
XY motion mode	Intelligent curve acceleration deceleration linear linkage Comes with interpolation algorithm	Equipment weight	580kg