A & A Global Resources Pvt. Ltd.

327, Siddharth Towers 12/3B, Kothrud, Pune, Maharashtra 411038
Website: http://www.smt-india.com/
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Creating Future Together

New Arrival High Speed Head Flying Camera Eight Head Chip Mounter

AA-PP-F8GS (Flying Camera)

Your partner in SMT Automation since 1993

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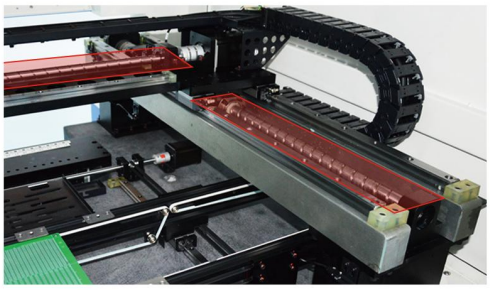
AA-PP-F8GS (Flying Camera)

Average Mounting Speed 22000-30000CPH

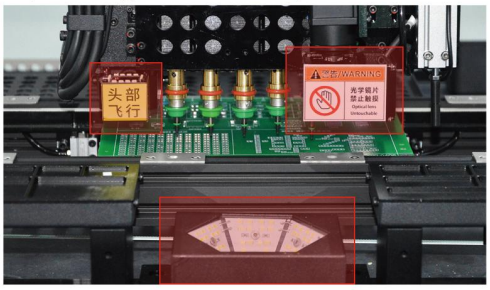
- Indeperdent Z-axis simultaneously picking+high speed flying camera
- 12cm thickness marble worktop+Built-in Keel Steel Structure,Weight 1.5T
- Imported HIWIN high-precision grinding ballscrew + Double Imported HIWIN high-load linear guideway +Japanese Servo Motor
- Dual display in front and rear,double-sided operation
- Components library function + support for MES system
- Magnetic levitation linear motor is used for head flight transmission
- Bulk components automatic identification of mounting

Advantages ① High-end accessories are used to ensure the accuracy and stability of the machine at high speed operation

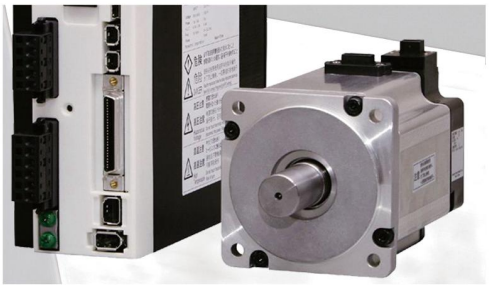
The machine has used imported HIWIN high-precision grinding ballscrew and double HIWIN high-load linear guideway.The noise is low when the machine is running at high speed.The machine has long service life and small error.



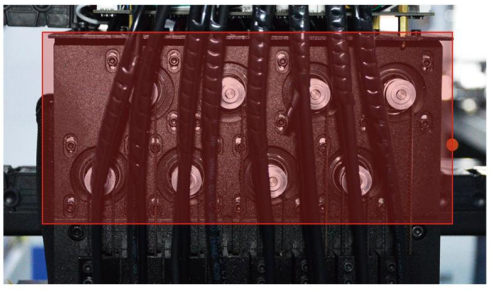
Mark camera and the head recognition camera use high-frame rate flying camera with Gigabit network port communication, compared with the traditional USB communication interface, the recognition speed is faster,the accuracy is higher,and high- speed recognition without step loss.



The XY Axis use Japanese servo motors,to control the repeated positioning accuracy error within 0.01mm,it also support mounting 0201 and pin pitch above 0.3mm QFP, BGA and etc.



The "closed-loop" Z Axis motor (8 sets) will not lose step when running at high speed.Each set of motors controls a suction nozzle,which can support various picking ways （8 heads simultaneous picking,4+4 simultaneous picking,2+2+2+2 simultaneous picking),it can be programmed according to requirements.



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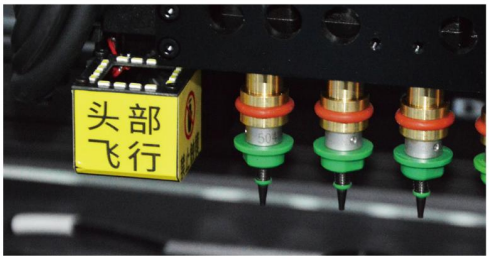
Advantages 2 Compared with other similar model in the same industry,our machine have been upgraded variously,its performance is far better than other machine's

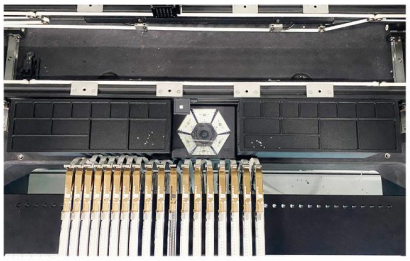
- Different from the traditional aluminum worktop,the marble worktop and keel steel structure are used in our machine.It weighs 1500KG and runs at high speed without shaking.

- Head flying camera+flying camera,point-to-point simultaneously identification mounting,the speed increase by 30%-40%, magnetic levitation linear motor make it faster and more stable.



- Dual display in front and rear,double -sided operation

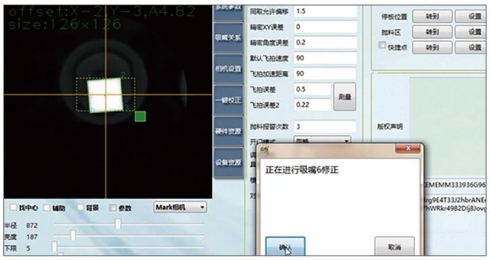
- New bulk components automatic identification of mounting



- Upgraded to support 8-56mm NXT electric and vibration feeder

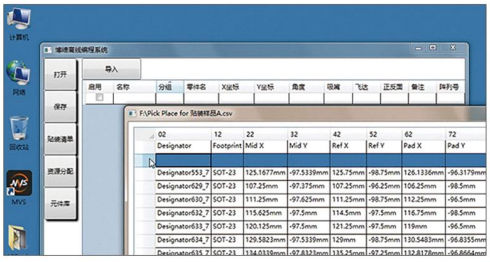
Advantages 3 Independently developed software,developed a variety of practical functions,and support free unlimited upgrades

- One-click automatic calibration of the nozzle.No manual calibration of the nozzle.So there is less error,the mounting accuracy will be higher.



- One-click optimization program (nozzle path), minimizes the picking and placement time

- Support multiple programming methods,such as online programming,offline programming and program import, with higher flexibility.



- * The new component library function saves time and effort in programming
- * The new MES system can realize the intelligent management of production line output and products through MES system, and improve the execution ability of enterprises.
- * Display current mounting progress, maximum speed, current speed,attrition rate,transmission board amount,etc. New burn -in test mode,simulated mounting mode, board transmission mode and mounting testing mode
- * Accuracy automatic correction mode, repeatable positioning, mounting accuracy is guaranteed
- * New feeder automatic alignment function,feeder mounting head automatic allocation
- * Optimising MARK point recognition accurately [standard, non -standard automatic measurement].
- * Bulk components automatic identification
- * Feeder automatic calibration function

Parameter

Operation system	win7	Average Power	650W
software version	Machine-integrated, upgradeable software	Average Mounting Speed	22000-30000pcs/h (Visual)
Feeder No.	NXT88(electric feeder)	Compressed Air	0.5-0.6Mpa
Mounting Heads	8	Max. Circuit Board Size	600x380mm
Positioning Accuracy	0.01mm	Machine Weight （N.W）	1500KG
Power Supply	220V，50Hz	Machine Boundary Dimension(L*W*H)	1395*1330*1376mm
Drive motor	Japanese Servo Motor	Typical Speed	23000Pcs/h
XY Max. Movement Range	710x620mm	Nozzle Buffering Range	5mm
Z Axis Driving Motor	Eight heads,each head is equipped with an independent Z-axis motor (without step loss)	Max. Movement Range in Z Axis	38mm
Guideway Adjustment Mode	Manual + Automatic+ lead-screw driving	Operation Window	Dual displays operation front and rear
Motion Drive System	Japanese High-Speed DSP Drive	X/Y Transmission Mode	Imported HIWIN high-precision grinding ballscrew
Belt Type Feeder	(8-56)mm NXT electric feeder，NXT vibration feeder	MARK Camera	Gigabit network port communication+ coaxial light source High speed dynamic recognition of Mark points
Bulk Components Tray	support 26 Species	Light Source	Flying camera light source
Component Height	0~13mm (Auto adjust，no need change copper sleeve)	XYZ Drive Guideway	Two sets imported HIWIN high-precision high-load linear guideway
Flying Camera	fast and synchtonous recognition	Board Entering Mode	Automatic conveying in three sections from left to right,automatic PCB transfer positioning (Opotional from R to L)
Number of IC Tray	1 SET（10 SPECIES）		
Programming Mode	Point-to-point programming, visual programming, PCB file coordinates inputting,etc.Adding off-line programming which greatly improves the programming efficiency, and the software can be humanized design	Applicable components type	Suitable for 0201,0402,0603,0805, 1206,LED lamp beads,diodes, transistors,SOT,within range 45mm*45mm,Pin Pitch≥0.3mm QFP,BGA etc.