ES-601

Auto Tray Collection Machine

To realize unmanned, promote utility

PCB pick and place mechanism

01. Pick and place device: Single-head pick and place mechanism (single-head feed, single-head discharge)
02. Pick and place device: Automatic loading and unloading (modular vacuum suction claw, vacuum detection device)
03. Transportation mechanism: Traverse and up / down axis, AC servo motor control
04. Pick and place speed: Max.500mm / sec
05. Inboard track width: Min. 80 mm

Features

- The X and Z axes use a gantry structure to improve repeat accuracy and speed.
- Integrated outer cover design, the door is equipped with safety facilities and meets public safety requirements.

Specification

01. Front station positioning mode: Cylinder positioning
02. Rear station positioning mode: Cylinder positioning
03. Pick-and-place method: single-head pick-and-place mechanism
04. Maximum working range on one side(W*D)：450*400 mm
05. Working height：920mm±20mm
06. Mechanical repeatability：± 0.01 mm
07. Control System：PC-based 2 Axis controller
08. Drive way：AC Servo motor
09. working system：IPC Windows 10
10. Host voltage：1 φ , AC 220V 50/60Hz
11. Air supply：4~6 kg/cm², flow:1500 L/hr
12. Power consumption：1.4 KVA
13. Front station positioning mode: Cylinder positioning
14. Rear station positioning mode: Cylinder positioning
15. Flow direction: left to right, right to left

Standard equipment

Pick-and-place method: single-head pick-and-place mechanism

ES-602

PCB Plate Auto Arrangement&Inspection Machine

Specification

01. Front station positioning mode: Servo slide positioning
02. Rear station positioning mode: Servo slide positioning
03. Recycling area positioning mode: servo slide positioning
04. Pick-and-place method: Four-head pick-and-place mechanism
05. Maximum working range on one side(W*D)：400*420 mm
06. Working height：920mm±20mm
07. Mechanical repeatability：± 0.01 mm
08. Control System：PC-based 6 Axis controller
09. Drive way：AC Servo motor
10. working system：IPC Windows 10
11. Host voltage：1 φ , AC 220V 50/60Hz
12. Air supply：4~6 kg/cm², flow:1500 L/hr
13. Power consumption：3.0 KVA
14. Flow direction: left to right, right to left

OK/NG PCB recognized, classification, module P&P

Features

- With CCD identification function, classification OK and NG board, saving labor cost.
- Y, Z, and A axes adopt a gantry structure to improve repeat accuracy and pick and place speed.
- It can be used with MES system to recognize OK and NG boards
- Easy to operate and simple to set up, which effectively saves time for changing the line
- Can be used with secondary dust collection to remove dust from PCB before identification, the dust removal effect reaches 99%

PCB pick and place mechanism

01. Pick and place device:Four-head pick-and-place mechanism (can pick one or four times)
02. Pick and place device:Automatic loading and unloading (Modular vacuum gripper, vacuum detection device, can be selected independently)
03. Transportation mechanism:Traverse and up / down axis, AC servo motor control
04. Pick and place speed:Max.400mm/sec

Standard equipment

Pick-and-place method: Four-head pick-and-place mechanism

Optional

EV-720 Suction Dust collection

MES System Bar Code Scanner