Pick and Place Machine

NeoDen N10P

Features

Support PCB within size **(L)1500mm*(W)450mm**

Automatic nozzle change function has been added to the system. **39 nozzle positions** increase the speed and flexibility of integrated placement.

IC camera improves the size of IC photos and realizes automatic calibration with automatic nozzle change.

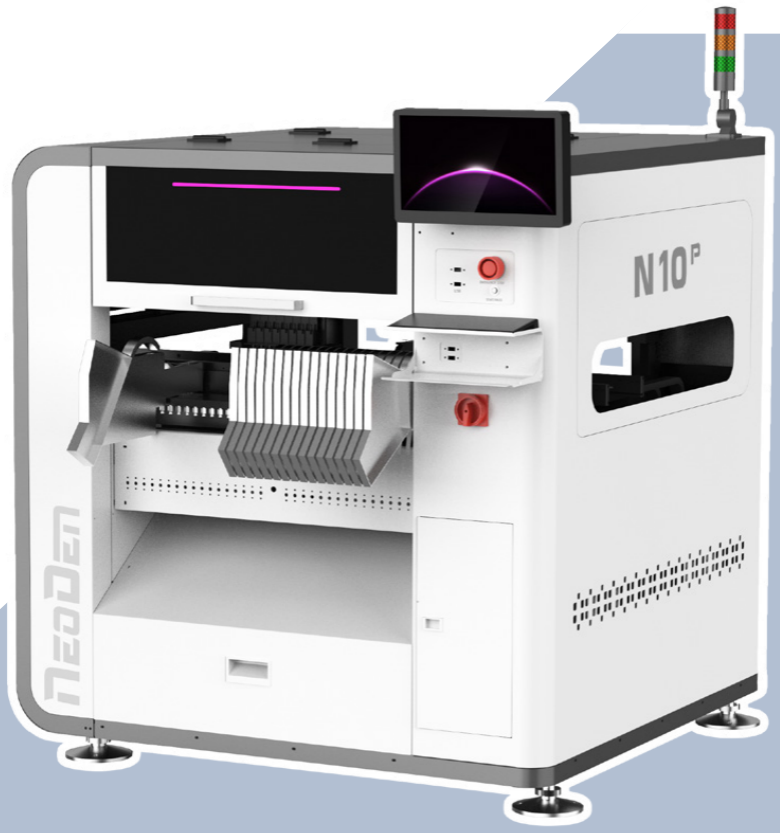
Automatic calibration of nozzle height

Increase the convenience of recycling material by adding a throw box.

80 tape feeders to increase the number of simultaneous feeding capacity

Measuring of nozzle air pressure to improve work stability and eliminate obstacles

Optimized software design to improve ease of use and stability



Specifications

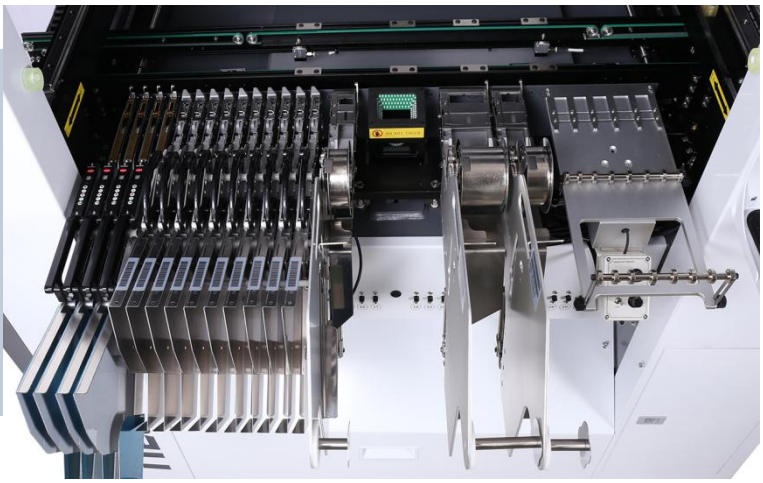
Number of Head	8		
Speed	20,000CPH(Max)		
Position Accuracy	±0.01mm		
Camera Configuration	Dual Mark Camera+Front Flying Camera+IC Camera		
Component Range	Flying Camera	0201-22mmx22mm	
	IC Camera	0201-40mmx40mm	
	Max Height	16mm	
PCB Size	Min.	50mmx50mm	
	Max.	without IC tray holder	450mm*1500mm
		with 1 IC tray holder	395mm*1500mm
PCB Thickness	0.2mm-3.5mm		
Feeder Capacity	Tape&Reel	80pcs(33 front+47 rear)	
	IC Tray	1	
Automatic Nozzle Change	Yes		
Support Pins to Hold PCB	Optional		
Power	600W, Single phase, 220V/110V, 50Hz/60Hz		
Air Source	0.6Mpa-0.8Mpa		
Flow rate	37L/min		
XY Drive Type	WON Linear Guide/THK Grinding Screw C5-2040		
XY Drive Motor	Panasonic A6 750W Servo Motor		
XY Motion Feedback Control	SPM/IBG Magnetic Linear Encoder		
Weight	1,000kgs		
Dimension	1289mmx1254mmx1386mm		
Packing Size	1320mmx1290mmx1456mm		

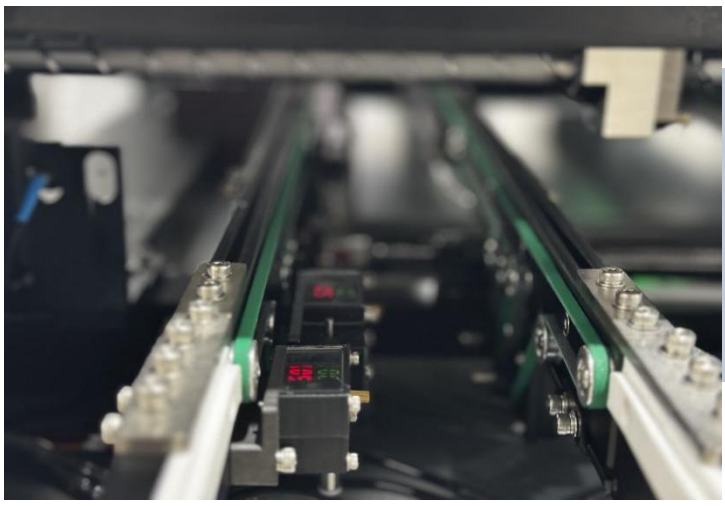
High Lights



8 heads with fully closed-loop control system support to pick up components simultaneously with maximum speed **20,000CPH**.

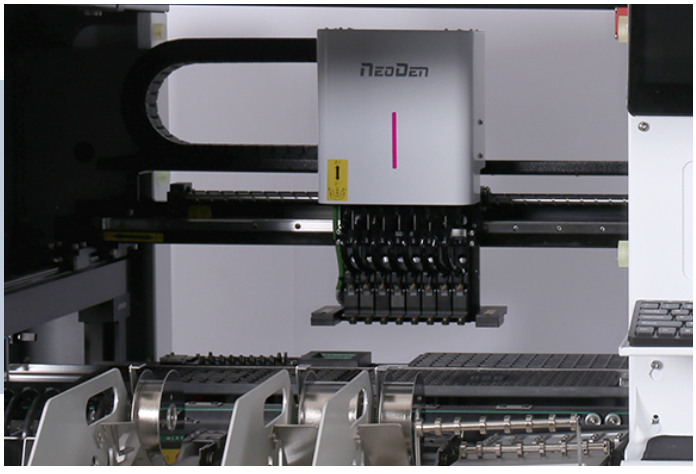
Support 80 tape feeders, 20 stick feeders and 60 tray feeders, which achieve . Allows mixed use of electric and pneumatic feeders in the same feeder base.



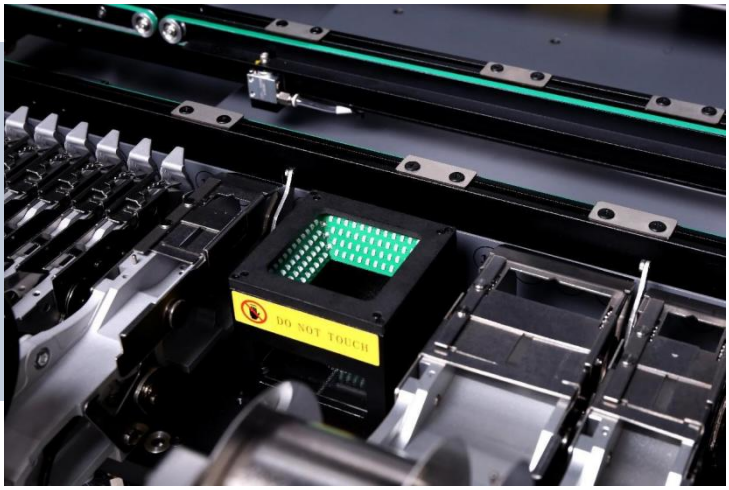


Applicable to **1,500mm long board** using an extension conveyor (optional).

Measuring of nozzle air pressure to improve work stability and eliminate obstacles.



Front and rear with 2 fourth generation high speed flying camera recognition systems, US ON sensors, 28mm industrial lens, for flying shots and high accuracy recognition.





Automatic nozzle change function with 39 nozzle slots tremendously increase placement speed and flexibility, reduce labor work.

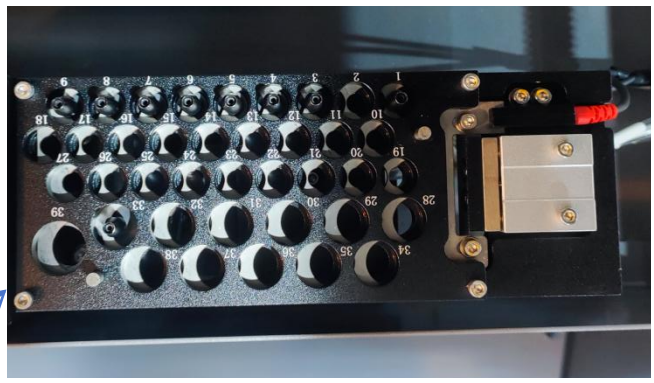
Automatic calibration of nozzle height, manpower can be utilized efficiently.



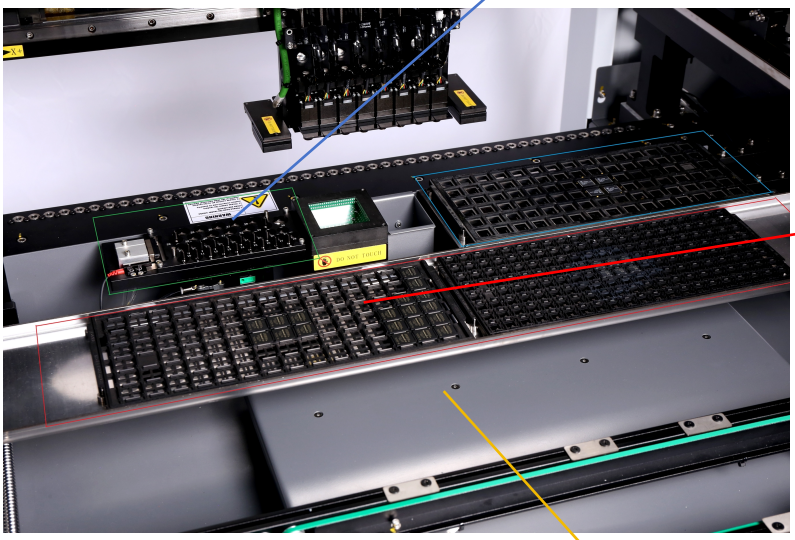


Abnormal air pressure triggers placement pause to prevent potential damage and waste of materials.

Options



Automatic nozzle change





Long IC tray holder



Push up table