NeoDen YY1 Pick And Place Machine

I. Specifications

Model	NeoDen YY1	
Machine Style	Single Gantry With 2 Heads	
Alignment	Vision & Vacuum	
Placement Rate	Vision On	3,000CPH
	Vision Off	4,000CPH
Feeder Capacity	Tape Feeder: 52 (all 8mm)	
	Stick Feeder: 4	
	Flexible Feeder: 28	
	Bulk Feeder: 19	
Nozzle Change Capacity	3 Nozzles	
Component Range	Smallest Size	0201
	Largest Size	18x18mm
	Max Height	12mm
Rotation	±180°	
Placement Accuracy	±0.02mm	
X-Y Repeatability	±0.02mm	
Z-axis Max Movement Range	28mm	
PCB Applicable Dimension(mm)	Maximum 249 x 350(dual sides tape feeder)	
	Maximum 315 x 350(single side tape feeder)	
Electricity Supply	AC100V-240V	
Software System	Independent Development	
Control System	One-board Integration	
Drives System	Stepper Motor	
Positioning System	Fiducial Mark	
PCB Handling	Manual PCB Loading/Unloading	
Power	50W	
External Dimensions(mm)	Machine Size	643(L)x554(W)x601(H)
	Packing Size	700(L)x610(W)x595(H)(wooden box)
Weight	Net Weight	35.5kgs
	Gross Weight	47kgs(wooden box)

II. Feature

1. Automatic nozzle changer help realizing nozzles changed flexibly.

2. Independent high-definition & high-speed dual vision recognition systems,as well as dual cameras for real-time display the working status.

3.Linear rail design for X, Y axis to ensure accuracy and stability,and reduce noise at the same time.

4. Patent-protected & new needle module is specially designed based on the linear rail with high reliability and durability.

5. Small size with powerful magazines and newly designed tape feeders to support large tape reels configuration flexibly,easy to install and replace tape reels conveniently,to ensure the most excellence solution among all of the entry level machines with lower budget but higher stability.

6. The newly-designed stick feeder with its compact shape, is perfectly compatible with the tape feeder system.

7.Supports bulk component feeder,strip feeder and IC tray feeder.

8. Newly designed software system & UI for visual programming and placement, which allows fast programming on the machine, friendly interface & easy operation.

9. Works in a near-perfect silent mode, making it a green and pollution-free pick and place machine.

10.Equipped with a vacuum detection function,can set standard vacuum detection values on placement head flexibly,all information can be displayed visually on the placement head.

11.Comes with a high-definition capacitive touch screen, which can be adjusted up and down to meet the needs of different viewing angles and enhance the user experiences.

12. Fully transparent acrylic covers with magnetic mode for a high level of ease of disassembly.

13. The whole machine is highly integrated one-board design, easy maintenance and debugging.