



## HIGHLIGHTS

- ➔ 8 Synchronized Nozzles which ensure a repeatable placement accuracy with high speed.
- ➔ Machine runs on highly stable and secure Linux operating system.
- ➔ The screw used in the machine is a C5 precision ground screw, with an accuracy of 0.018mm and Equips with the magnetic scale technology.
- ➔ Double mark cameras to reach at extreme end feeders for better calibration.
- ➔ High resolution and High speed component camera system improves the overall speed of the machine.
- ➔ Ethernet communication interface for all internal signal travel makes the machine to perform more stable and flexible.
- ➔ Closed loop Servo control system with feedback makes the machine to function more accurate.
- ➔ Picking location of pneumatic feeder can be calibrated automatically and promptly, to ensure easy operation and high efficiency.
- ➔ PCB location can be calibrated automatically and promptly, based on the correct and specific placement request.

## NEODEN N10

Neoden-N10 features 8 simultaneous pick-up heads, has been designed for ease of use, efficiency, cost effectiveness and increased expand ability and compatibility. Using new, highly efficient linear servomotors, lightening and stiffening the head unit, and reviewing the placement speed of 16,000 CPH.

## TECHNICAL SPECIFICATIONS

Model	Neoden N10
Placement Head Gantry	8 Nozzles Head
Vision Alignment	Flying Vision
Maximum Placement Rate	18000 CPH
Practice Placement Rate	16000 CPH
Feeder Capacity	66x Tape / Reel (8mm)
Minimum Component Size	0201
Maximum Component Size	1.57" (40mm) Square Body
Max. Component Height	(Nozzle Z-Axis Max Travel) 0.629" (16mm)
Placement Accuracy	10um
Operating system	Linux, Software version V8.1.5.5(5)
Rotation	±180°
Motion feedback control	(Right-Left) / (Left-Right) SPM/IBG
Compressed Air	>0.6MPa, max-flow-rate 37L/min   Oil Free
Supported Reel Size	Tape/Reel (Electric/Pneumatic), Vibration Tube, Waffle Tray
Max. Board Dimension	19.7" x 11.8" (500mm x 300mm)   Possible lengths up to 1500mm
X axis Drive Type	WON Linear Guide / TBI Grinding screw C5 - 1632
Y axis Drive Type	WON Linear Guide / TBI Grinding screw C5 - 1632
Control System	Closed Loop Servo
Electricity Supply	220VAC, 500W
Type of Feeders	Pneumatic + Electrical
XY Drive Motor	Panasonic Servo Motor A6
Vibration Feeder	Selectable
Decibel Rating	40-79 dB (µV/m) at 10m
Machine Dimension	(L*W*H) 51" x 43" x 54" (1300mm x 1100mm x 1375mm)
Packaged Dimensions	(L*W*H) 56" x 48" x 62" (1430mm x 1210mm x 1570mm)
System Weight	2425lbs (1100 kgs)
Packaged Weight	2645lbs (1200 kgs)

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