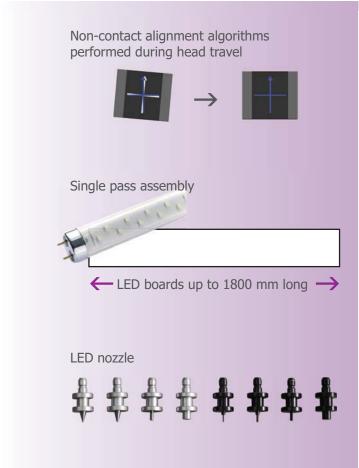


Features

- True 'Vision On the Fly' Alignment
- Fiducial recognition and coordinate correction
- Assembles LED boards up to 1200 mm long in a single pass (option for 1800mm long)
- Positive air puffing at the pick-up nozzle ensures release of 'sticky' LED components during placement
- Large working platform allows multiply PCB production in one stage (for same type of PCB)
- Uninterrupted production by auto-selection for alternative when feeder is empty
- O High-precision ballscrew drive
- Tape feeder allows tape connection to minimize production interruption
- Heavy-duty welded frame provides stability for precision placements even at high speeds
- Option Teflon® nozzles available for sticky LED components; customized nozzles available on request
- Three heads for high placement rates







Pick and Place Solutions

_D812V3

for LED Board Assembly





Heavy-duty welded, uni-body steel frame provides stability for precision placements even at high speeds



Upward-aimed true 'Vision On the Fly' Alignment cameras on the pick & place heads allow easy set-up for a wide range of LED components



With simply parameters inputs, the Windows-based software calculate the component coordination automatically



UCAD® universal CAD import and conversion for direct transfer of PCB data from ASCII, AutoCAD and Excel data formats



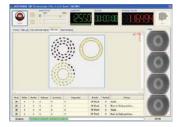
Support various PCB board type, includes, LED boards up to 1200 mm long (or option to 1800mm), flexible PCB , or circular PCB



Flying vision alignment on various LED components as well as SMDs. Teflon® nozzles also available for sticky LED components



Software tools analyze placement data and component mix to provide optimum feeder arrangement that minimizes head travel and tool changes



Real time monitoring screen for previewing production progress, production speed and production quantity during production

Specification

Placement Specification

Alignment principle
No. of placement heads

Placement rate LED size

Maximum LED size

Vision on the fly camera

3

10 000 / hour (IPC 9850)

0402 to 5050

8mm X 8mm X 8mm

Feeder capacity

Feeding capacity Max. 16 feeder ports (8mm tape)

PCB specification

Max. board size 1200mmX300mm (option 1800mmX300mm)

Board thickness 0.2mm to 3mm
Board transport direction Left to Right

Board fixing principle Magnetic fixture (option conveyor)

Mechanical Specification

XY axis drive mechanism X axis: placement head;

Y axis: board transport

Board loading method Working stage (option conveyor)
In line production Supported by option conveyor system

In line production
Placement accuracy
X-Y Axis Resolution
Z Axis Resolution
Supported b
+/-0.05mm
0.02mm
0.02mm

R Axis Resolution 0.18 degree

Programming

Operation system
Support language

Programming

Windows XP based

English (mult language support)

Easy programming (option CAD import)

Physical specification

Approximate Net Weight 450KG

Machine dimension (LxWxH) 2630mm X 1130mm X 1440mm

Facility Requirements

Air Pressure 5.5 bar Standard Voltage 220V(AC) Power 2200W



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^{*} We reserve the right to make changes without notice.