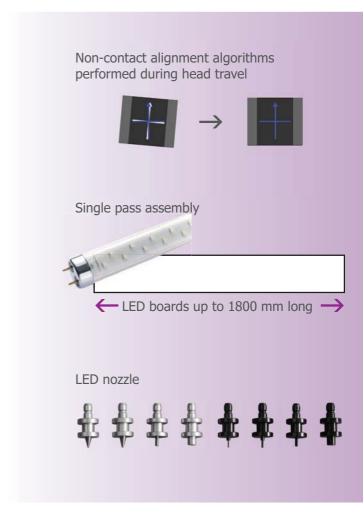


## **Features**

- 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 LD812V4/LD812W3 LD806V4/LD806W3

for LED Board Assembly

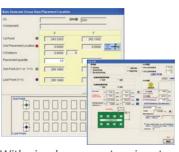




Heavy-duty welded, uni-body steel frame provides stability for precision placements even at high speeds



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 the component calculate coordination automatically



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



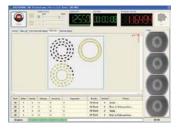
Support various PCB board type, includes, LED boards up to 1200 mm long (or option to 1800mm), flexible PCB, or circular PCB



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 previewing production progress, production speed production and quantity during production

| Specification   |  |  |  |  |
|---|--|--|--|--|
| Machine Model   | LD812V4  | LD812W3  | LD806V4  | LD806W3  |
| PCB specification Max. board size (standard)  | 1200mm X 300mm<br>1200mm X 260mm<br>0.2mm to 3mm<br>Magnetic fixture (option conveyor)   | 1200mm X 300mm<br>1200mm X 260mm<br>0.2mm to 3mm<br>Magnetic fixture (option conveyor)   | 600mm X 300mm<br>600mm X 260mm<br>0.2mm to 3mm<br>Magnetic fixture (option conveyor)   | 600mm X 300mm<br>600mm X 260mm<br>0.2mm to 3mm<br>Magnetic fixture (option conveyor)   |
| Placement Specification<br>Alignment principle<br>No. of placement heads<br>Placement rate<br>Component size  | Vision on the fly camera<br>4<br>15 000 / hour (IPC 9850)<br>1mm x 0.5mm to 8mm x 8mm  | Vision on the fly camera<br>3<br>10 000 / hour (IPC 9850)<br>1mm x 0.5mm to 16mm x 14mm  | Vision on the fly camera<br>4<br>15 000 / hour (IPC 9850)<br>1mm x 0.5mm to 8mm x 8mm  | Vision on the fly camera<br>3<br>10 000 / hour (IPC 9850)<br>1mm x 0.5mm to 16mm x 14mm  |
| Feeder capacity Feeding capacity  | Max. 16 feeder ports (8mm tape)  |
| Mechanical Specification<br>XY axis drive mechanism  Board loading method In line production Placement accuracy X-Y Axis Resolution Z Axis Resolution R Axis Resolution | X axis: placement head;<br>Y axis: board transport<br>Working stage (option conveyor)<br>Supported by option conveyor system<br>+/-0.05mm<br>0.02mm<br>0.02mm<br>0.18 degree | X axis: placement head;<br>Y axis: board transport<br>Working stage (option conveyor)<br>Supported by option conveyor system<br>+/-0.05mm<br>0.02mm<br>0.02mm<br>0.18 degree | X axis: placement head;<br>Y axis: board transport<br>Working stage (option conveyor)<br>Supported by option conveyor system<br>+/-0.05mm<br>0.02mm<br>0.02mm<br>0.18 degree | X axis: placement head;<br>Y axis: board transport<br>Working stage (option conveyor)<br>Supported by option conveyor system<br>+/-0.05mm<br>0.02mm<br>0.02mm<br>0.18 degree |
| Programming<br>Operation system<br>Support language<br>Programming  | Windows XP based<br>English (mult language support)<br>Easy programming<br>(option CAD import)   | Windows XP based<br>English (mult language support)<br>Easy programming<br>(option CAD import)   | Windows XP based<br>English (mult language support)<br>Easy programming<br>(option CAD import)   | Windows XP based<br>English (mult language support)<br>Easy programming<br>(option CAD import)   |
| Physical specification<br>Approximate Net Weight<br>Machine dimension (LxWxH)   | 450KG<br>2630mm X 1130mm X 1490mm  | 445KG<br>2630mm X 1130mm X 1490mm  | 380KG<br>1230mm X 1130mm X 1491mm  | 375KG<br>1230mm X 1130mm X 1491mm  |

5.5 bar

2200W

220V(AC)

5.5 bar

2200W

220V(AC)

5.5 bar

2200W

220V(AC)

**Facility Requirements** Air Pressure

Standard Voltage

Power

5.5 bar

2200W

220V(AC)