

S-V8 Automatic LED Lens Pick and Place Machine



Technical Parameters

Model: S-V8

Alignment: Flying Vision Alignment System

Number of Spindles: 8 Spindles x 1 Gantry

Placement Speed:
Lens:18000CPH (Optimum)
LED:40000 CPH (Optimum)

Placement Accuracy: ± 0.03 mm (Based on the standard chips)

Mechanical Precision: ± 0.02 mm

Component Range: Vision Alignment-For all General lenses (Maximum 15.8MM); Max Height-H=12mm

Board Dimension(mm): Minimum 50(L) x 50(W); Maximum:1,200(L) x 460(W)

Board Handling Method: Inline conveyor

Tape Feeder: Feeder Type-Electric Feeder; Feeder Capacity-20 (12mm)

Utility: Power AC 220V/240V 50/60Hz, Single phase, Max 2.8KW; Air Consumption-0.55-0.7MPa (5.6-7.1kgf/cm²)

Mass: Approx. 1680kg + 100kg

External Dimension(mm):2,000(L) x 1,150(D) x 1,400(H)

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Product Features

- * **High-accuracy:** Vision On the Fly Alignment to guarantee high accuracy.
- * With a **SMEMA-compatible inline conveyor** for line automation.
 - * **Specially designed** for LED lenses assembly.
 - * **Customization vibration tray** for feeding LED Lens.
- * Can also **place SMD components from 0603 to 7474**, including resistors, capacitors, high-power LED, standard and irregularly shaped LEDs..
 - * **Magnetic levitation linear motor** (Servotronix) in X and Y axis for high repeatability and stability.
- * Using **imported high precision ball screw, motor, solenoid valve, cable, etc.**, effectively improve the placement accuracy and stability.
 - * **Self-developed software** simplifies production, easy operating and programming.

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Excellent Quality Hardware Support

Ball Screws: KURODA / THK / NSK (Japan)

Linear Guide: HIWIN (Taiwan)

Magnetic Levitation Linear Motor Driver SERVOTRONIX (ISRAEL)

Servo Motors & Drivers: PANASONIC (Japan) / HCFA (China)

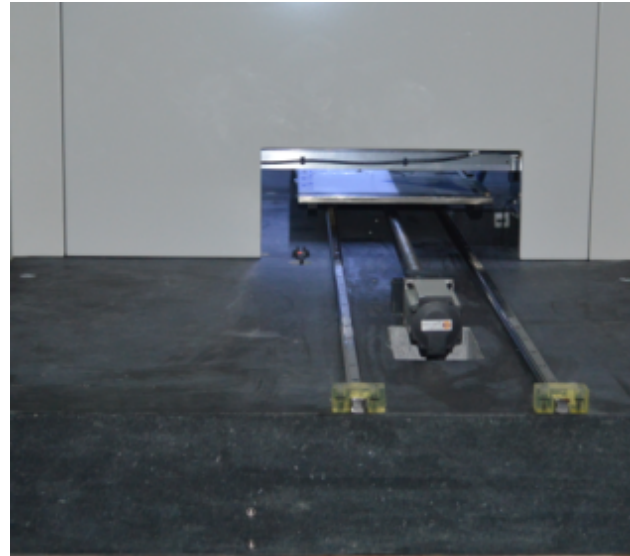
Stepper Motors & Drivers: MOONS (China)

Cables & Tank Chain: IGUS (Germany)

Solenoid Valve: CKD (Japan) / MAC (America)

IPC: Independent Research & Development

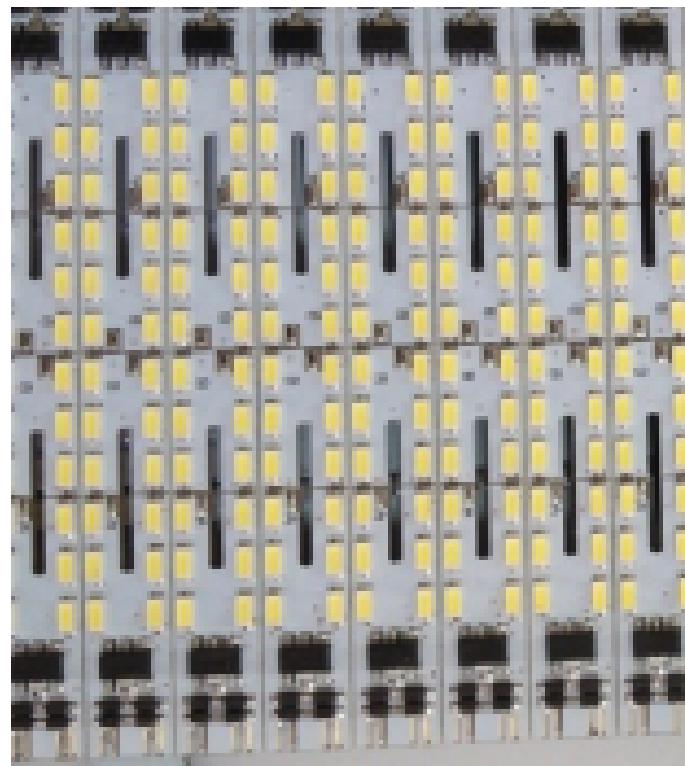
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Marble platform

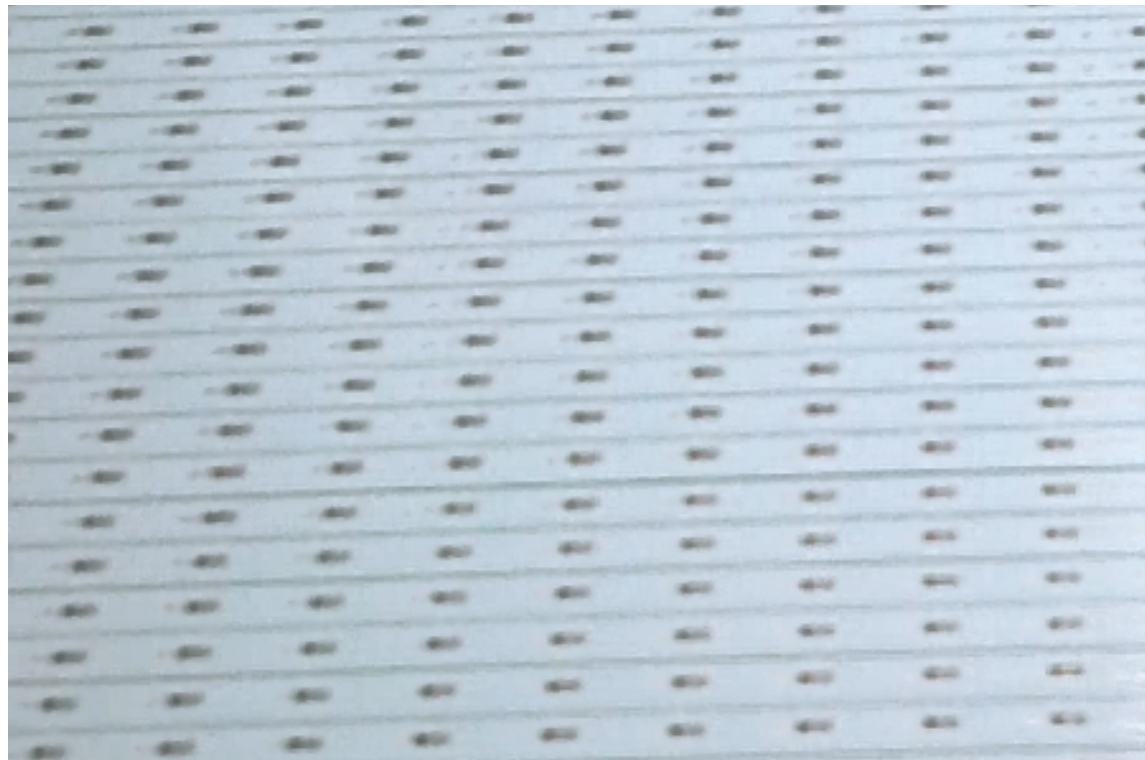


SMD LED

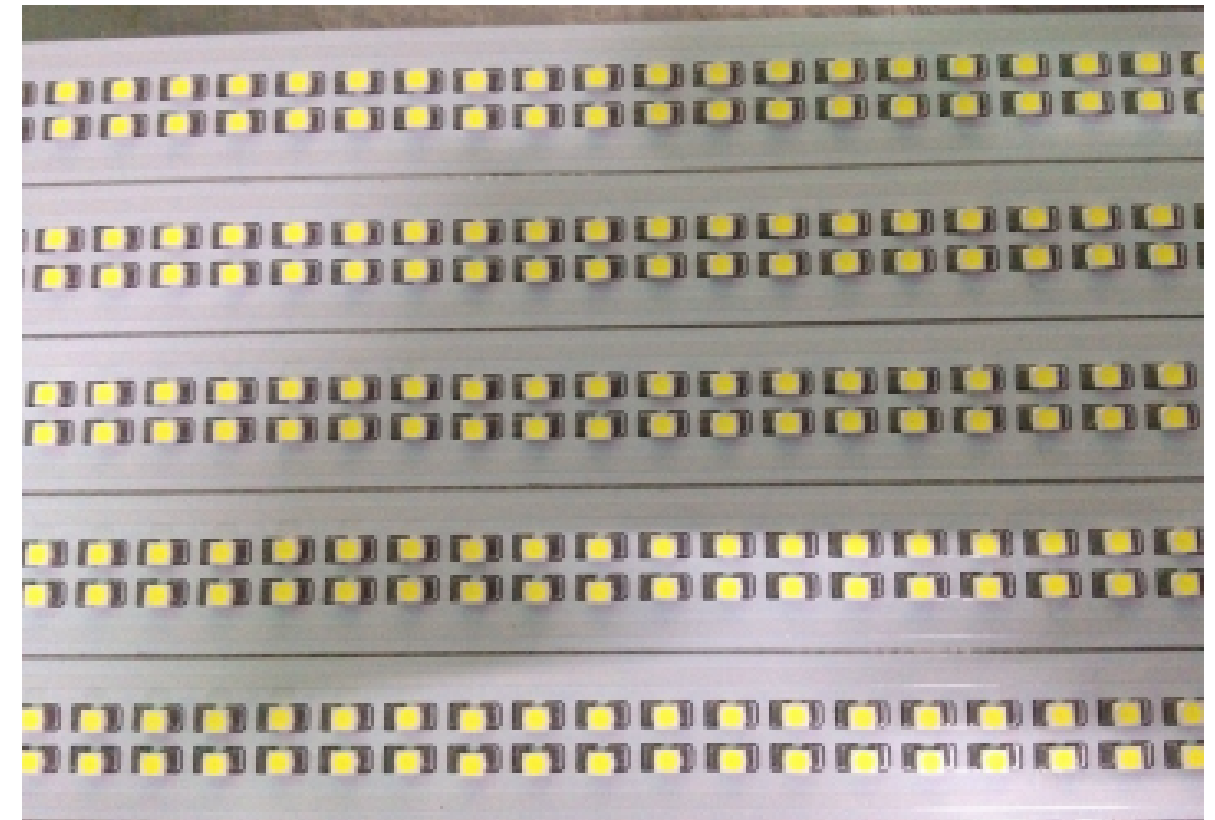


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Comparison



Bare PCB



PCBA

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