

S-530SV Semi-automatic 8 Heads LED Pick and Place Machine



Technical Parameters

Model: S-530SV

Alignment: Flying Vision Alignment System

Number of Spindles: 8 Spindles x 1 Gantry

Rated Placement Speed/ Vision Alignment: LED 2835/45,000 CPH (Optimum)

Placement Accuracy: $\pm 0.05\text{mm}$ (Based on the standard chips)

Mechanical Precision: $\pm 0.02\text{mm}$

Component Range: Vision Alignment-0603(inch)~5050~7474(mm), high-power LED, IC<10mm; Max Height-H=10mm (can handle max. 16mm without vision alignment)

Board Dimension(mm): Maximum 1,500(L) x 400(W)

Board Handling Method: Magnetic Fixture Worktable

Tape Feeder: Feeder Type-Electric Feeder; Feeder Capacity-20 (12mm); Optional-8mm, 12mm, 16mm, 24mm

Utility: Power AC 220V/240V 50/60Hz, Single phase, Max 2.8KW; Air Supply-Built-in Vacuum Pump

Mass: Approx. 1560kg

External Dimension(mm) 2,000(L) x 1,250(D) x 1,400(H)

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Product Features

- * **High-accuracy:** Each of the eight pick-up heads is equipped with a FLYING vision alignment camera to guarantee high accuracy.
 - * **High-speed:** Maximum placement speed reaching 0.086s/chip.
 - * Each mounting head has its own **Z - direction closed-loop stepper motor**, which is designed for vertical motion.
 - * **Places SMD components from 0603 to 7474**, including resistors, capacitors, standard and irregularly shaped LEDs.
- * **Suitable for all LED lighting products**, including flexible PCB strips, circular LED light bulb boards and even irregularly shaped boards. Assembles LED PCBs up to 1.5 meters long in a single pass.
 - * Provide **non-stop circulating production** for small size PCBs.
 - * **Built-in vacuum pump**, no outside air source needed.
 - * **Heavy marble platform support** to ensure long-service life.
- * **Excellent quality hardware support** by using international famous brands ensure placement repeatability and precision.
 - * **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)

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

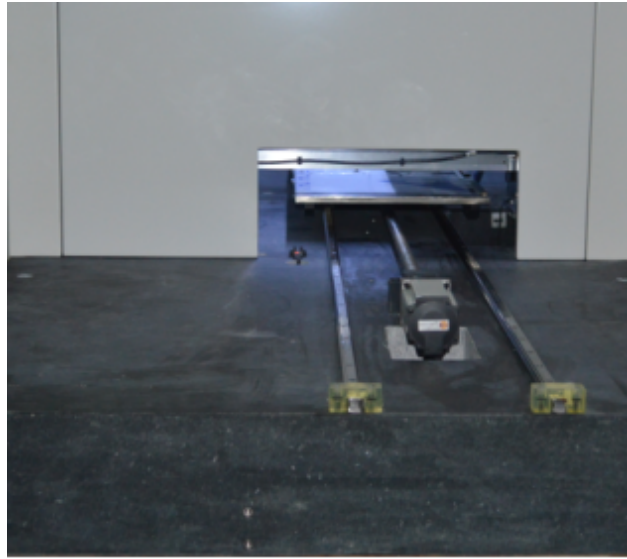
Stepper Motors & Drivers: MOONS (China)

Cables & Tank Chain: IGUS (Germany)

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

IPC: Independent Research & Development

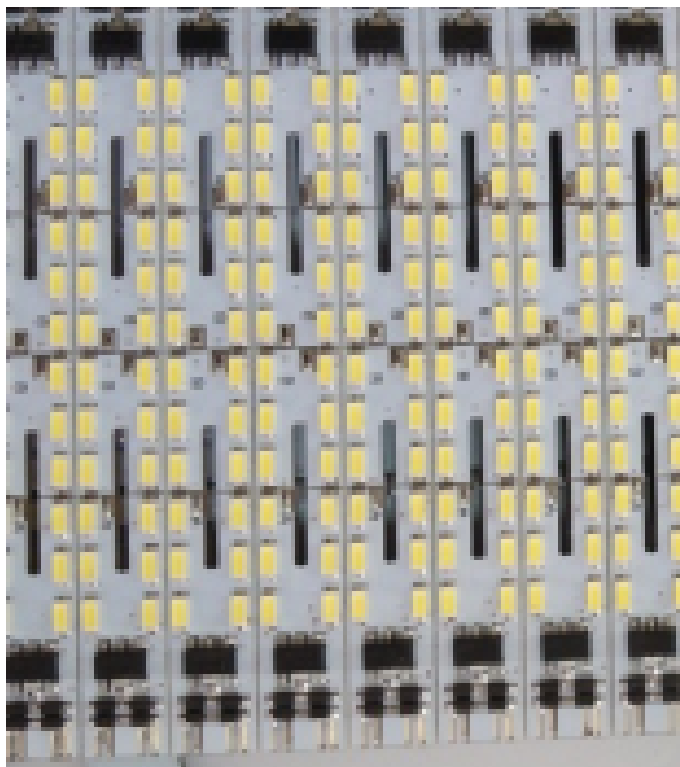
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Marble platform

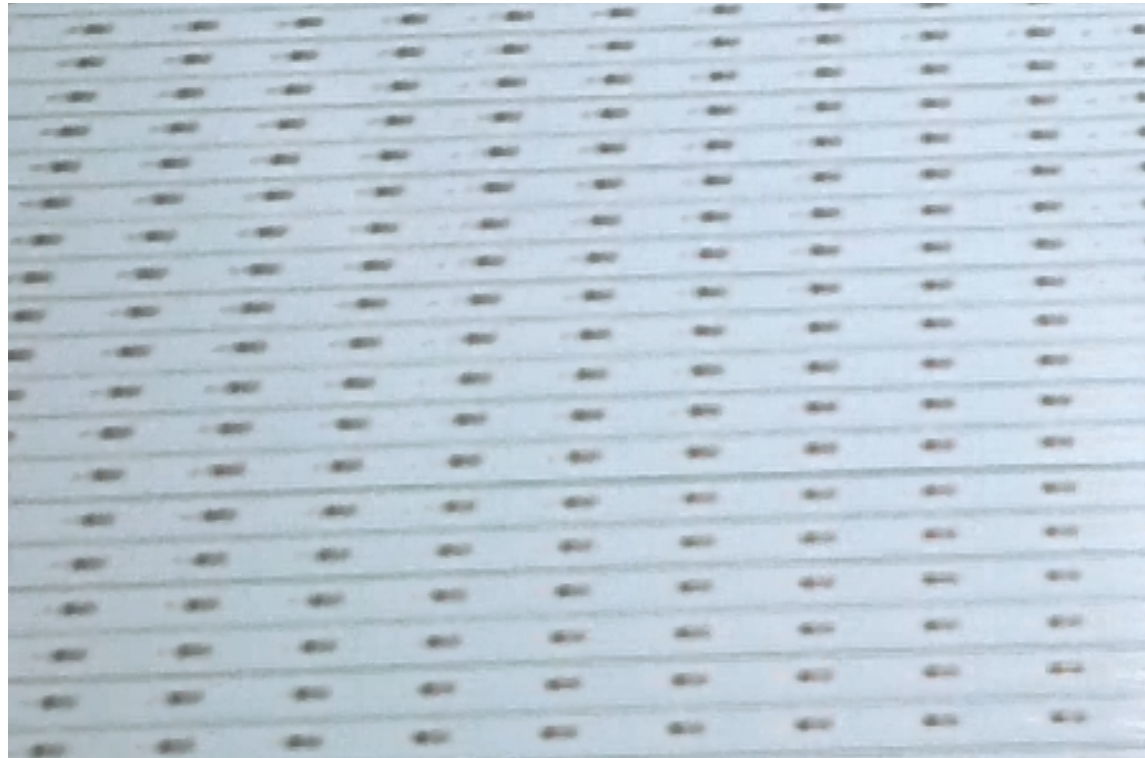


SMD LED

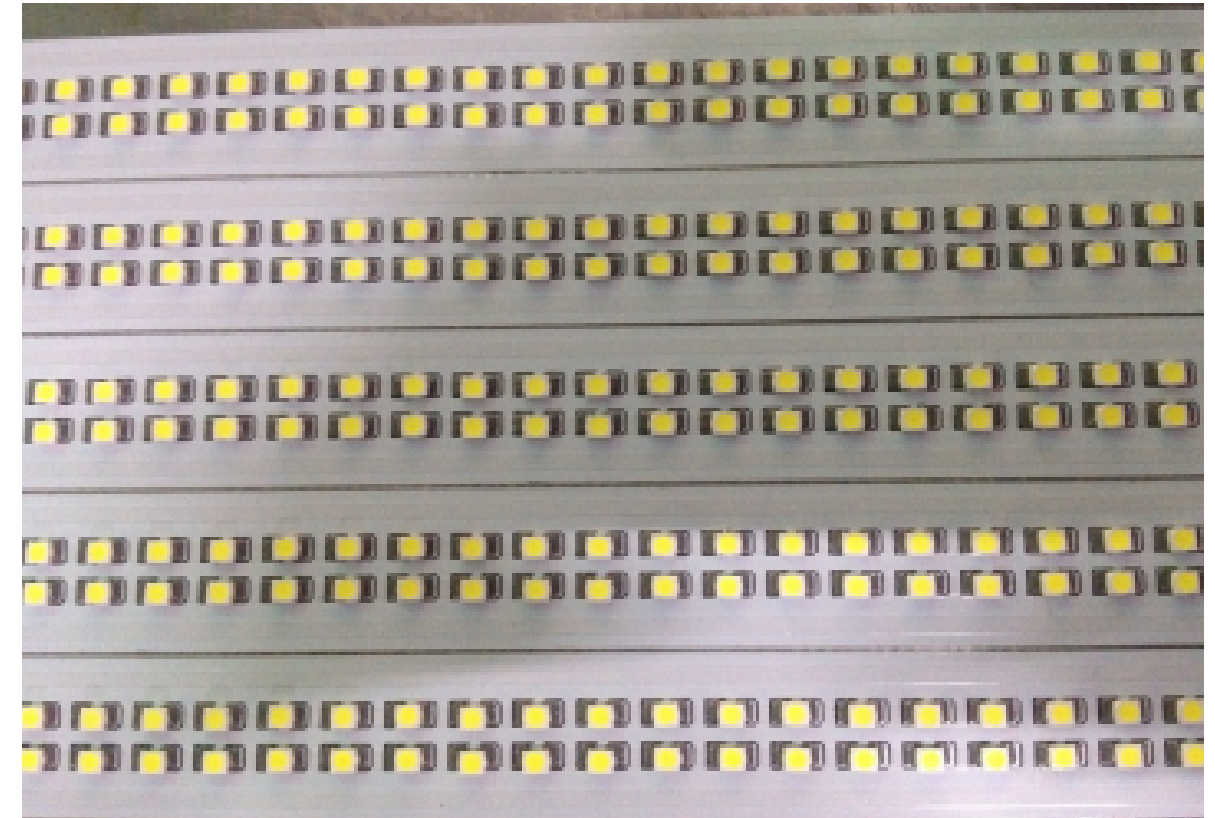


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Comparison



Bare PCB



PCBA

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7. Looking forward to your email: marie@smthelp.com