

**ROI < 9 Months !**



Semi-Auto Screen Printer → Semi-Auto Pick and Place → Buffer Conveyor → Reflow Oven → Buffer Conveyor  
1200mm                      2000mm                      1500mm                      3000mm                      1500mm

Whole Line length: 1.2M → 2M → 1.5M → 3M → 1.5M = 9.2M (Total Length)

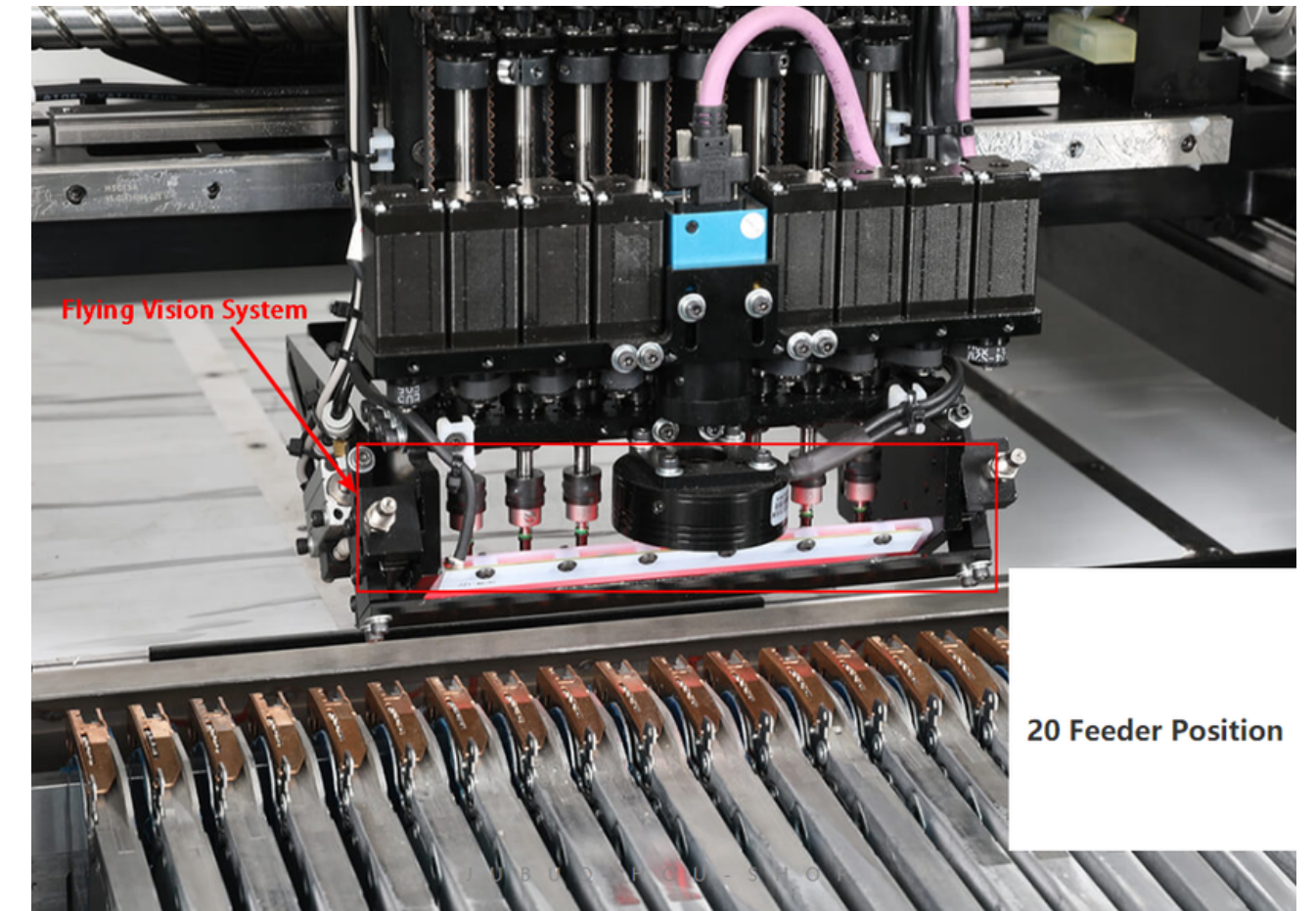
To provide professional solutions of AI/SMT and SMT peripheral equipment and machine accessories.

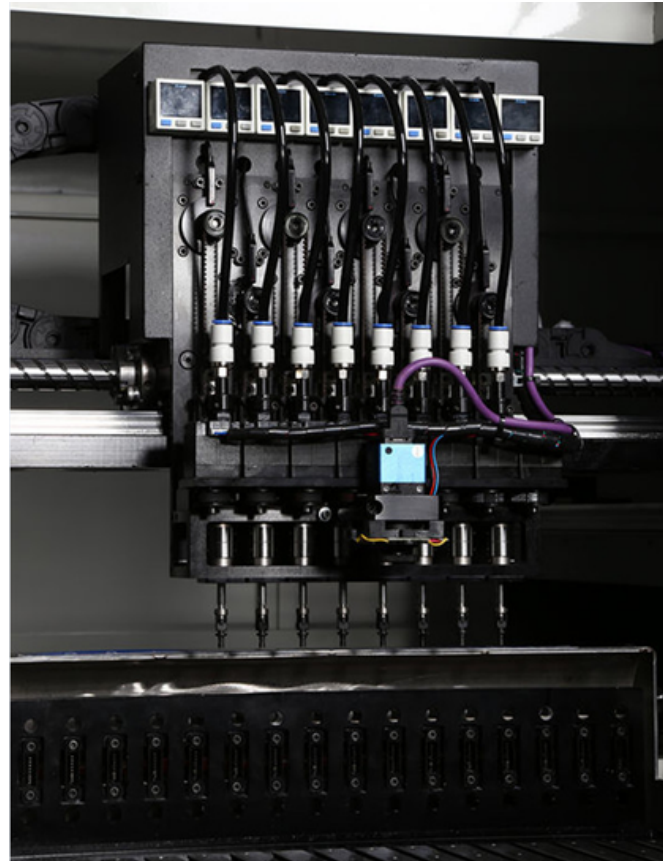


- Actual placement speed to **35,000 mph** for LED tube light.
- Max board length of **1500 mm**.
- Assembles LED tube boards, flexible LED strips, and circular LED light bulb boards
- Places LED components from 0603 to 7474, including both standard and irregularly shaped LEDs. Available for different kinds of SMD components of 0402, 0603 and so on.

## Specifications :

Alignment		Flying Vision
Number of Spindles		8 Spindles x 1 Gantry
Placement Rate	Flying Vision	Chip 2835 42000CPH (Optimum)
Placement Accuracy	Chip	±0.05mm
Component Range	Flying Vision	0603~5050~7474, high-power LED, IC<10mm
	Max Height	H=10mm (can handle max. 18mm without vision alignment)
PCB Size (mm)	Maximum	1,500(L) x 400(W)
Board Handling Method		Magnetic Fixture Worktable
Tape Feeder	Feeder Type	Electric Feeder
	Feeder Capacity	20 (standard 12mm)
	Optional	8mm, 12mm, 16mm, 24mm, 32mm
Utility	Power	AC220±20V (50/60Hz, 1 Phase)
		Max 2.8KW
	Air Consumption	0.5-0.7MPa (5.1-7.1kgf/cm <sup>2</sup> ) 25L/min
Machine Weight		Approx.1,560KG
Machine Dimension(mm)		2,000(L) x 1,250(D) x 1,400(H)



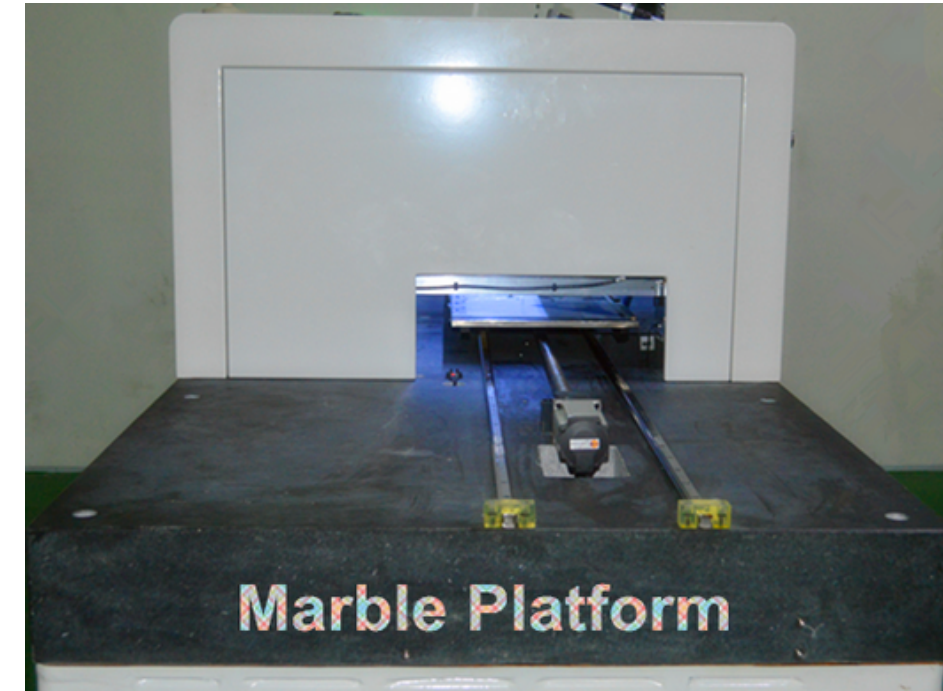
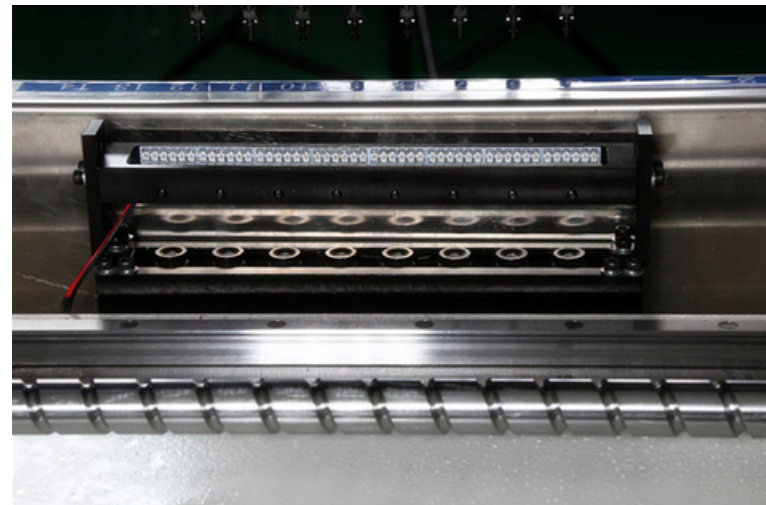


## 8 pick and place heads

- 1, 360-degree orientation.
- 3, Gang pick & Gang place available
- 4, Auto Vacuum detection
- 5, innovative visual recognition

## Visual System

Each of the S-520A's eight pick-up heads is equipped with a vision alignment camera.



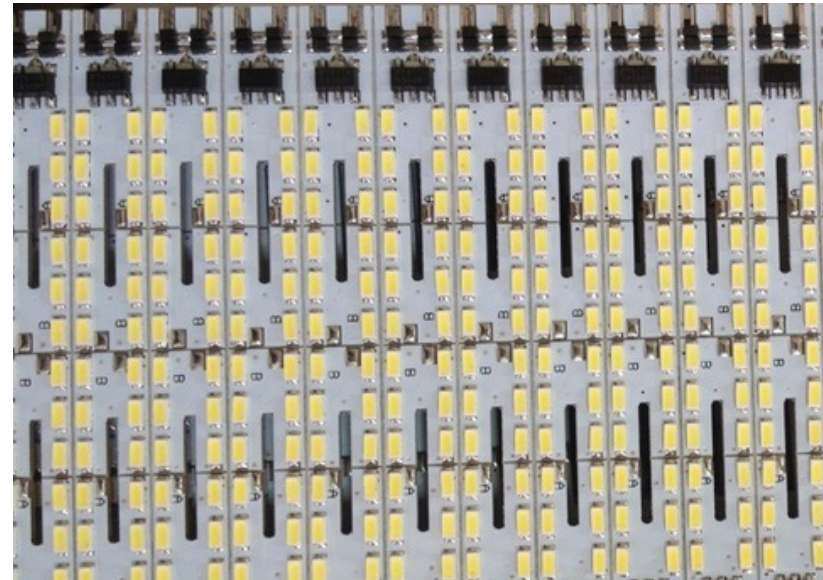
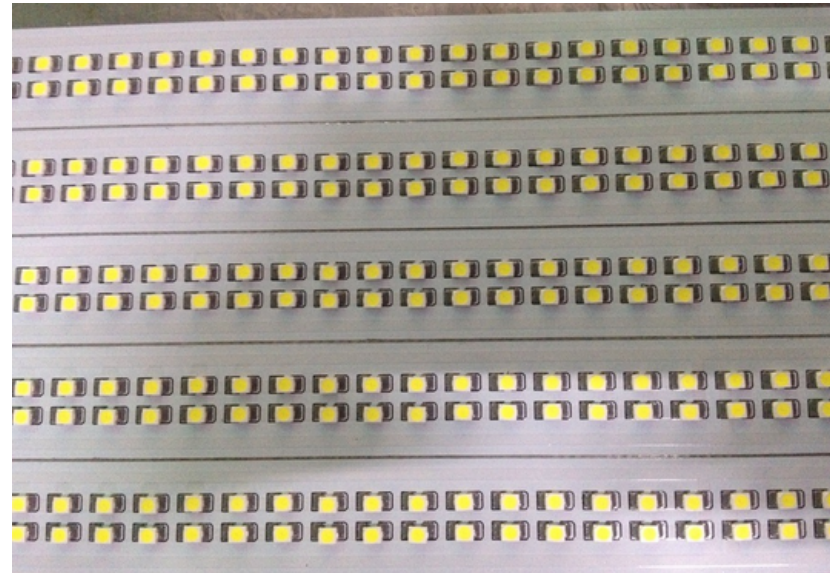
## Marble Platform

- 1, Prevents deformation for at least 100 years
- 2, High accuracy
- 3, Stable for high speed

## 20 feeder stations

Motor-driven feeder slots.

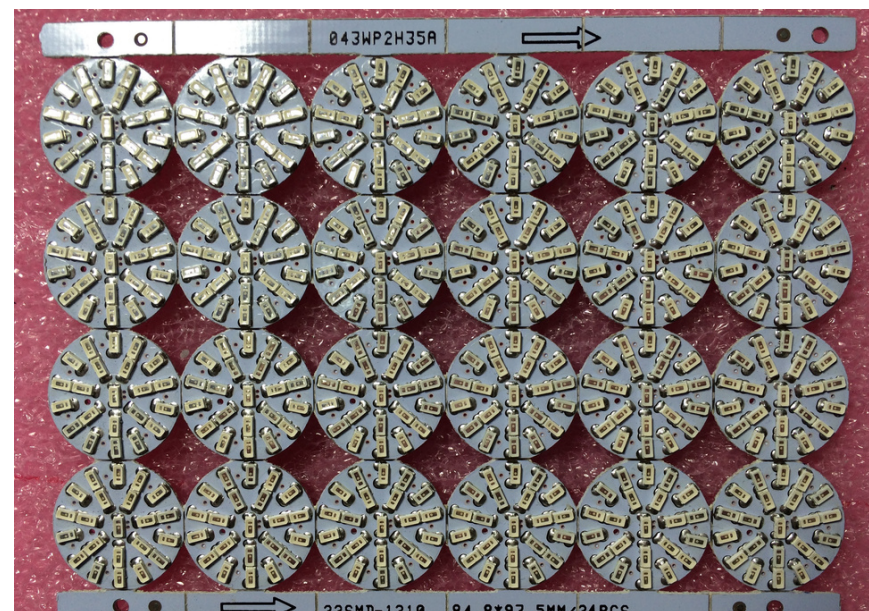




## LED Tube:

**35000 CPH**

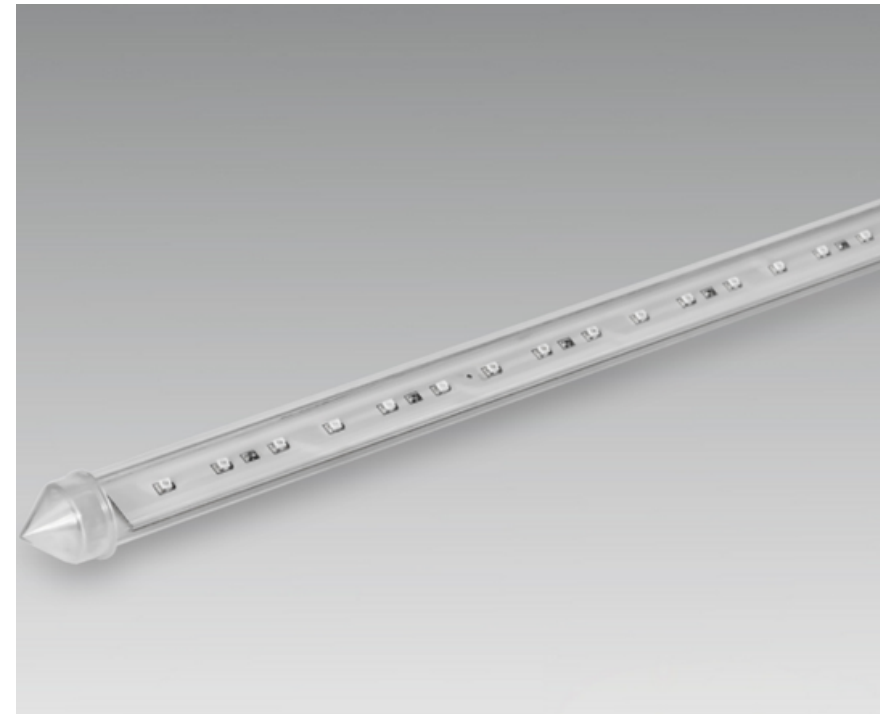
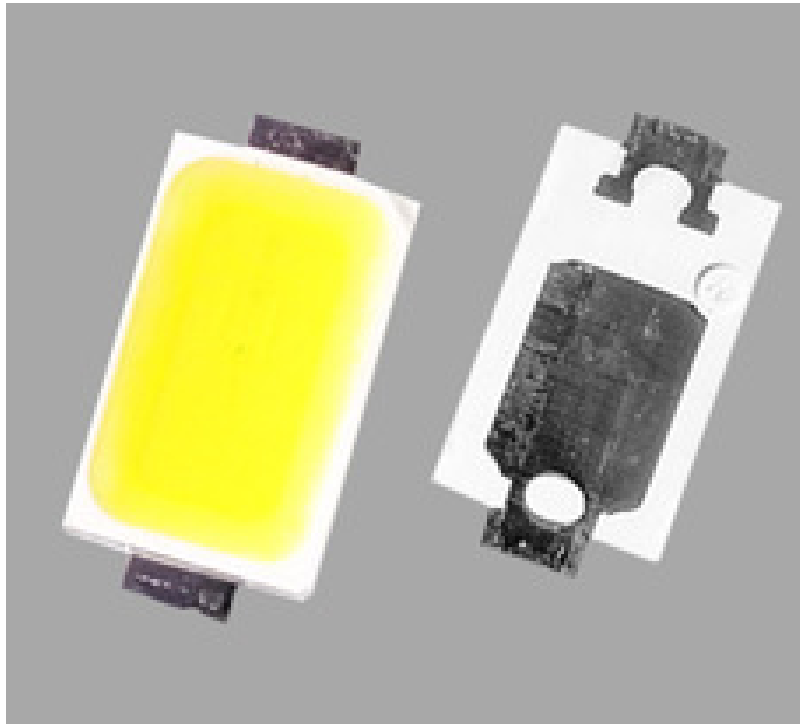
**583 tubes / Hour (60 chips/tube)**



## LED Bulb:

**30000 CPH**

**3000 Bulbs / Hour (10 chips/Bulb)**



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- SMT Assembly earning **\$0.001** /chips
- line throughput: **30000** Chips Per Hour
- Profit(30000CPHx20Hx30D): **\$18K** per month
- One line equipment Investment: About **\$70K**
- Monthly cost(consumption+salary): **\$10K**

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