

Production Specification

Reminder: The size is the result of manual measurement of the physical object, there are certain slight errors.

System	Project	Content
Mounting System	Model	ZB3545TP
	Mounting Numbers	4 PCS
	Mounting Precision	0.025 mm
	Mounding Angle	0 ~ 360°
	Theoretical Speed	7500 PCS/h
	Normal Mounting	6000 PCS/h
	Visual Mounting	5000 PCS/h
	Suction Nozzle Type	Juki Series Nozzle
	Applicable Element	RC (0402, 0603, 0805, 1206 etc)
		LED Lamp Beads (0603, 0805, 3014, 5050 etc)
		Chip (SOT, SOP, QFN, BGA etc)
PCB	PCB Minimal Size	<5.5 mm
	PCB Maximum Size	10×10 mm
	PCB Thickness	350×450 mm
	PCB Warping Allowable Value	≤2 mm
Feeder Tank	Type	YAMAHA CL Materials Feeder
	Feeder	8mm 12mm 16mm 24mm 32mm
	Numbers	38 level
	Tubular Materials Feeder	YAMAHA YV materials feeder



01

CONFIGURING THE STEPPER SERVO MOTOR

Realizing closed-loop control of position, speed and torque to Overcoming step-out problems of stepper motors, meeting high precision positioning and smooth low speed operation needs.



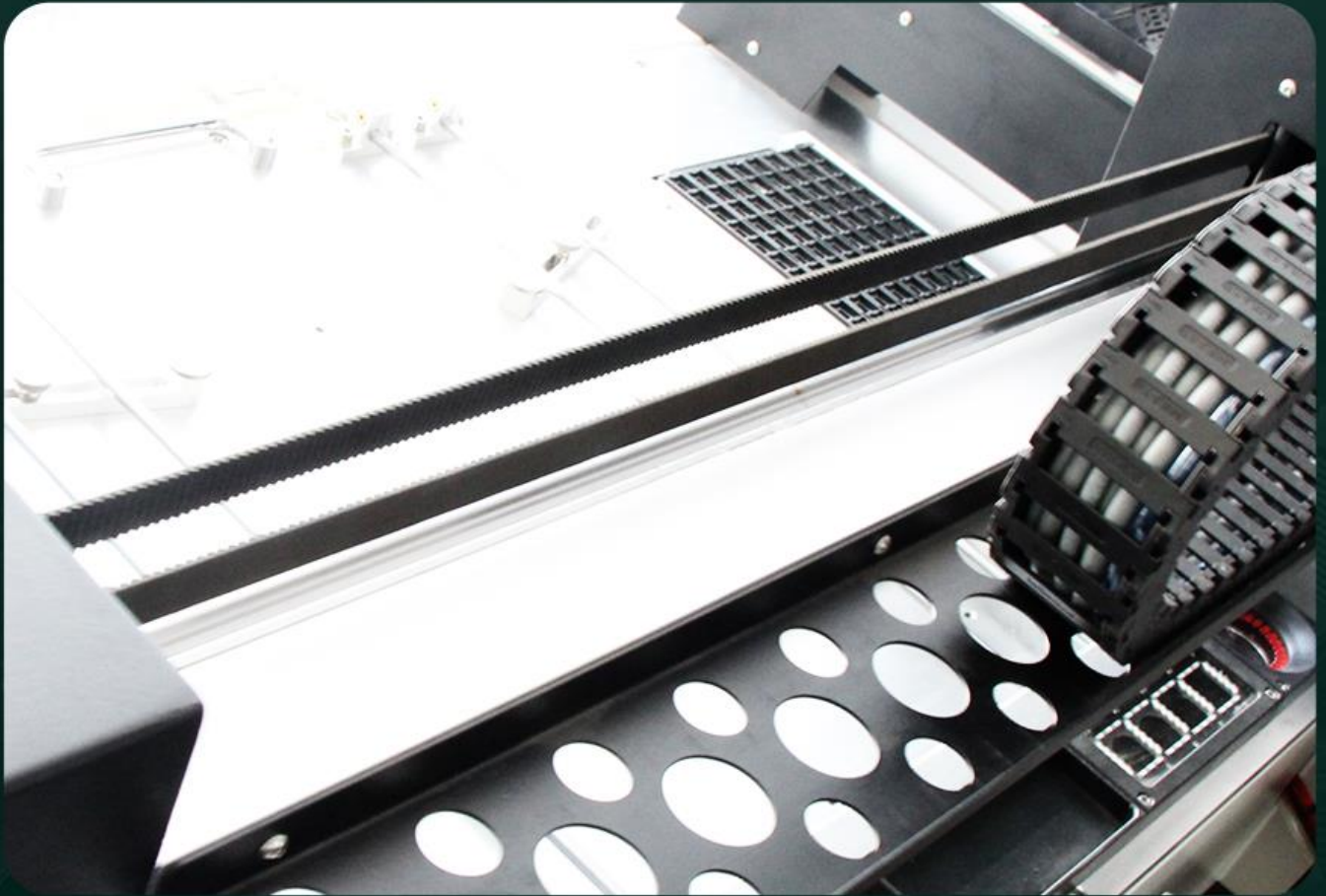
Using TAIWAN HIWIN linear guide.
Smoothly and high speed mounting makes more
stable, more accuracy.



03

TRANSMISSION BELT

Timing belt:Wear-resistant , Anti-aging , Not easily deformed, Stretch, high precision.



04

4 GROUPS OF FAST RECOGNITION CAMERAS(SMALL COMPONENT CAMERA)

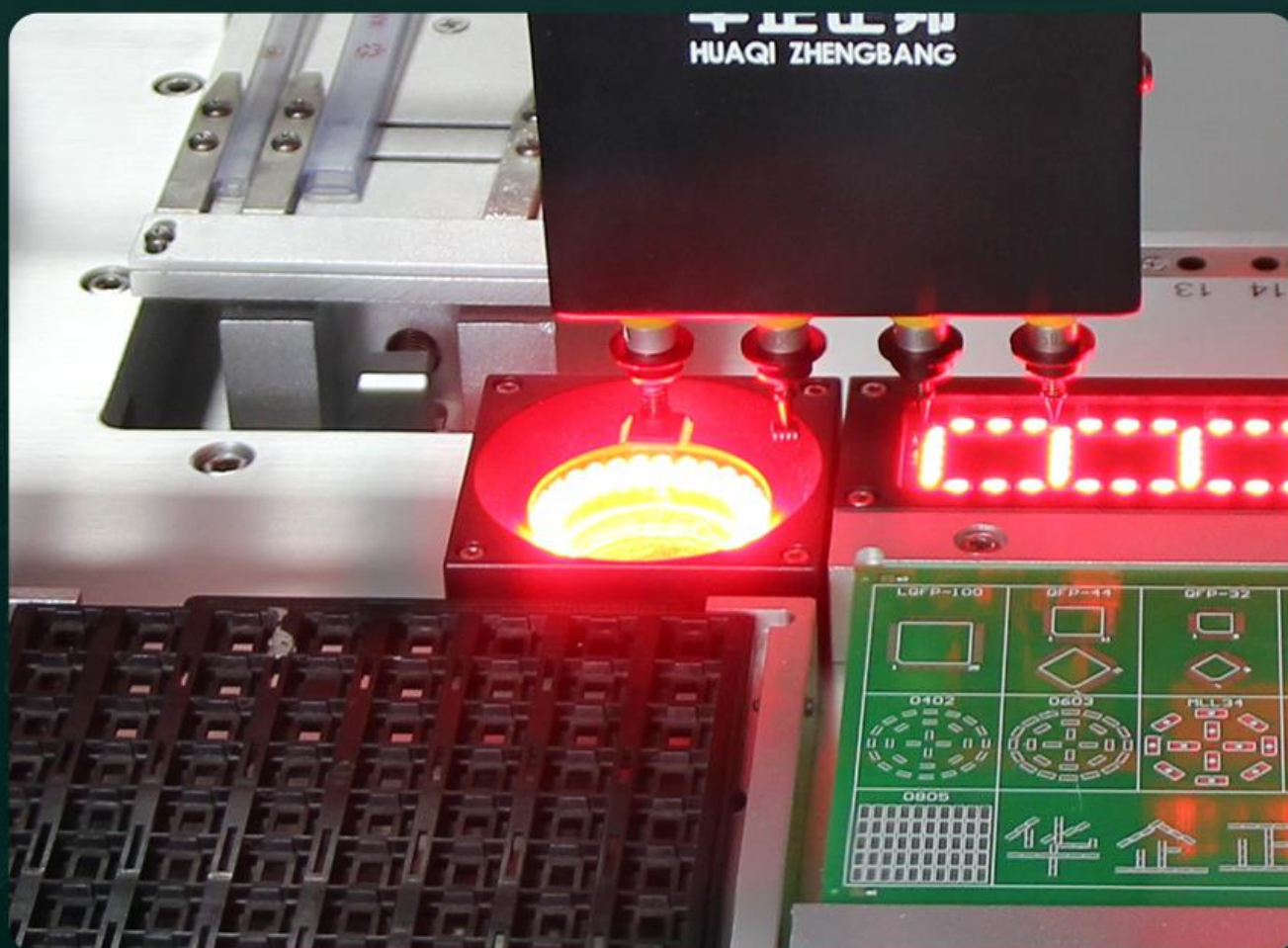
4 groups of fast recognition cameras could improve
RC chip recognition efficiency



05

CCD HD RECOGNITION CAMERA (BIG COMPONENT CAMERA)

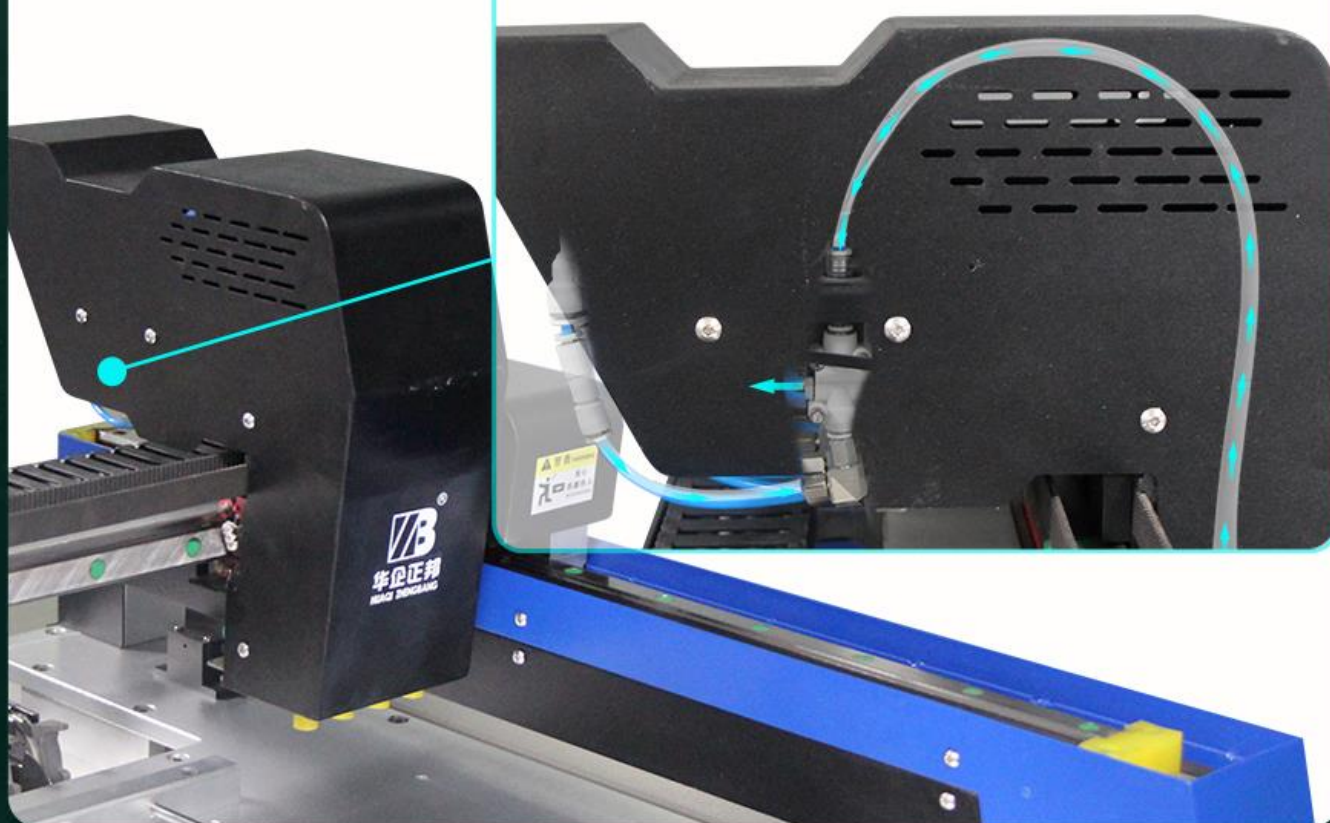
Improving IC mounting accuracy, Correction of picking offset.



06 VACUUM GENERATOR

Generate negative pressure with positive pressure air source, Efficient, clean.
Strong negative pressure capability, Capable of sucking large and small devices stably for a long time.

Vacuum Generator Schematic





- Windows system, simple and convenient operate, Stable performance.



- The embedded industrial PC system, quality is absolutely stabl.

08

SUPPORT MULTIPLE FEEDERS

Support for 38 pcs Yamaha smt feeder location.
Tube vibration feeder, IC tray.



38PCS YAMAHA 8mm Feeder Location



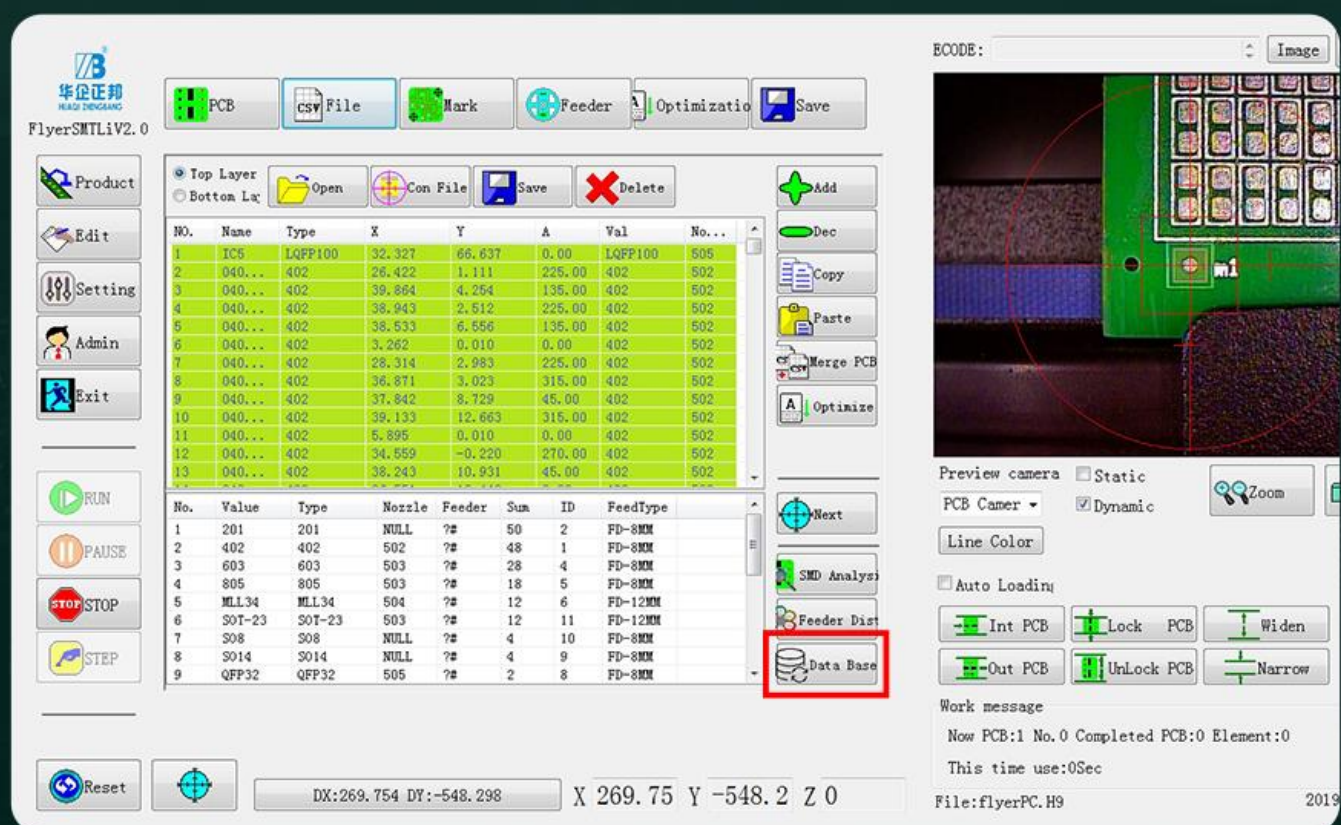
Vibration Feeder



IC Tray

10 DATABASE FUNCTIONS

Automatically save edited component footprints
No need to repeat editing

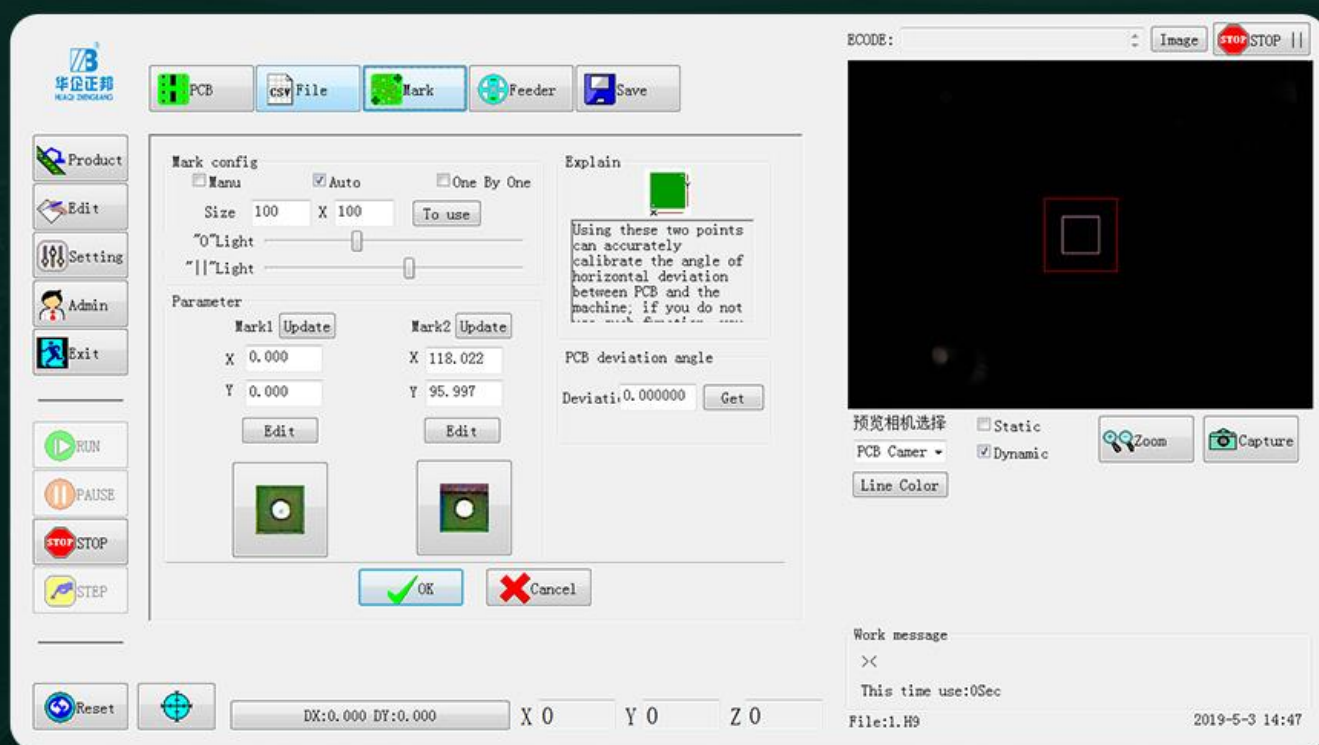


12

DOUBLE MARK POINT IDENTIFICATION

Double Mark recognition position function could correct the PCB is not standardized , misplaced and other offset automatic.

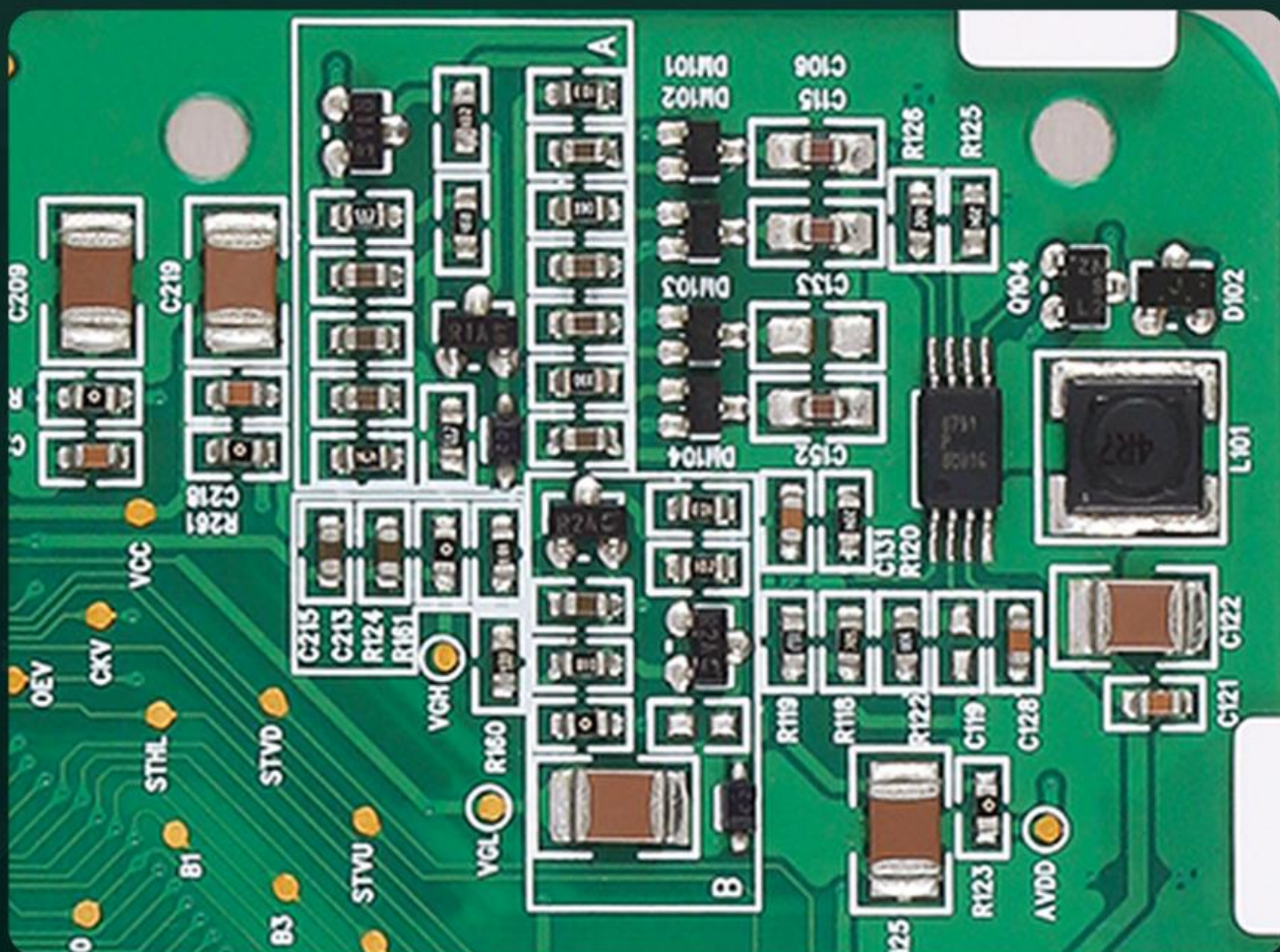
Added board-by-board identification function, it's could board-by board identification and correct the offset of the PCB board if have have panel or many pcb board, it's greatly improved consistency of placement accuracy.



11

6000PCS/H PLACEMENT

Fastest 6000pcs/h placement.
Achieve high-speed placement requirements.



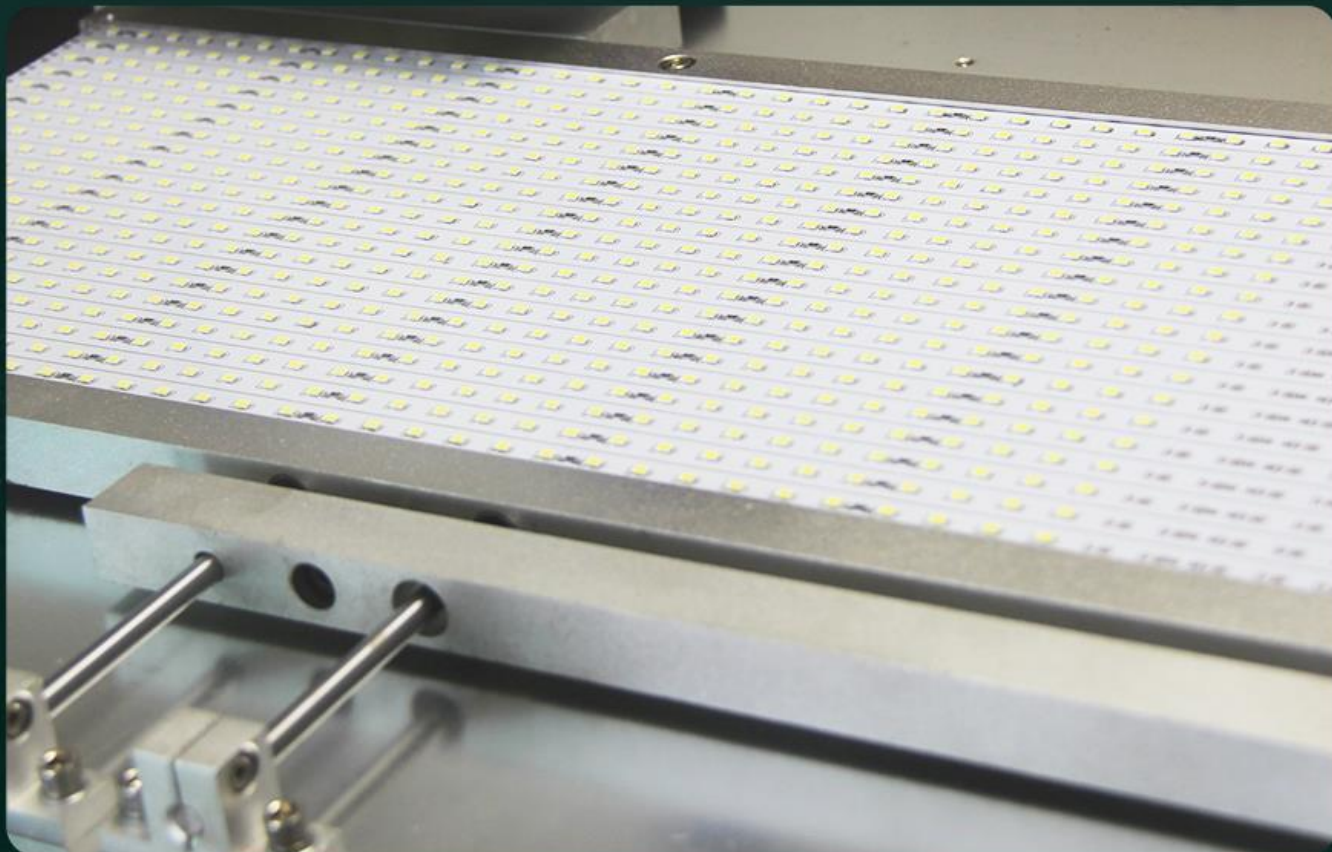
13 PCB MOUNTING

Support Max. 350*450mm PCB.
Suitable for most PCBs.



14 LED BAR MOUNTING

Can be modified to mount 0.6meter 0.9meter 1.2 meters long LED bars

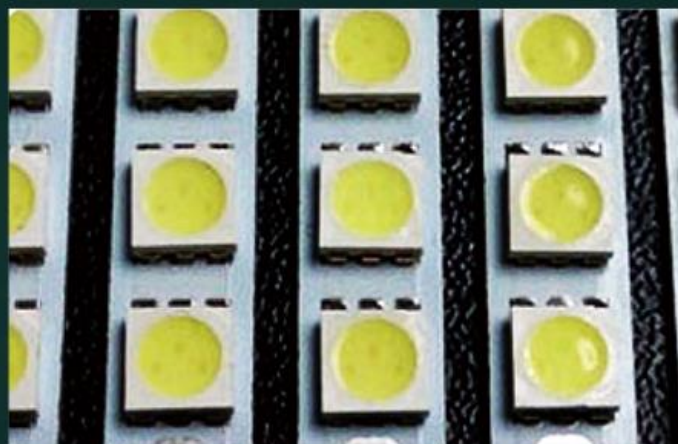


15 JUKI SERIES NOZZLE

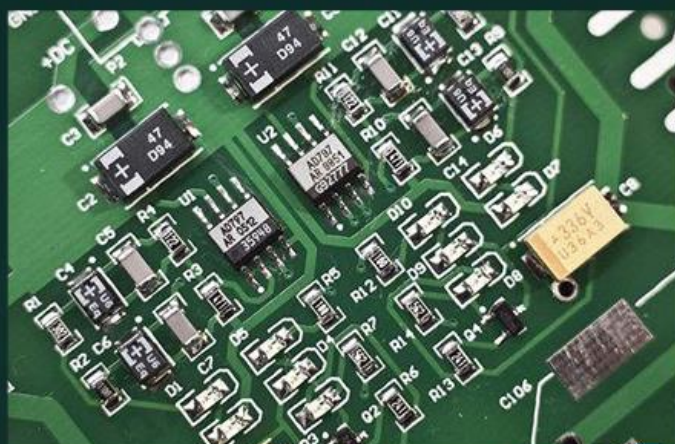
Meet various packaging requirements of pick and place.



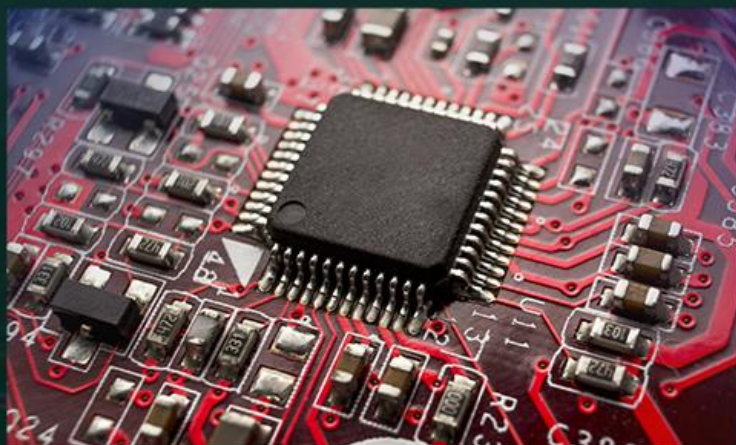
16 EFFECT PICTURE



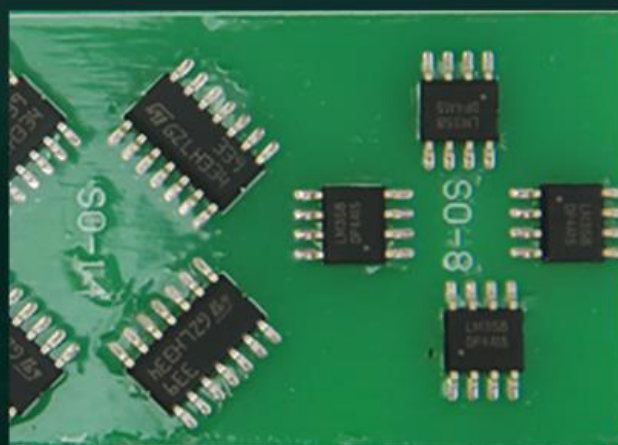
All kinds of LED mounting



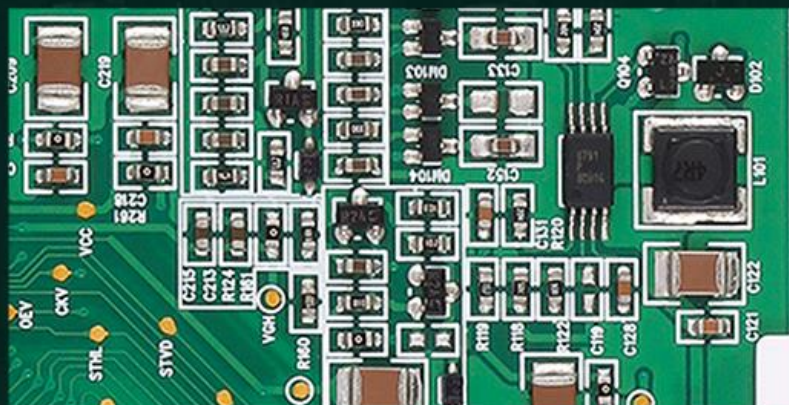
Resistance, capacitance, triode and IC mixed mounting



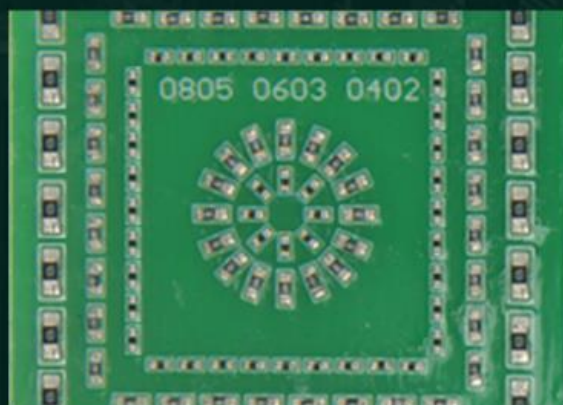
Resistance, capacitance and IC mixed mounting



IC each angel mounting



Resistance, capacitance and audion mixed mounting



0402、0603、0805 each angel mounting