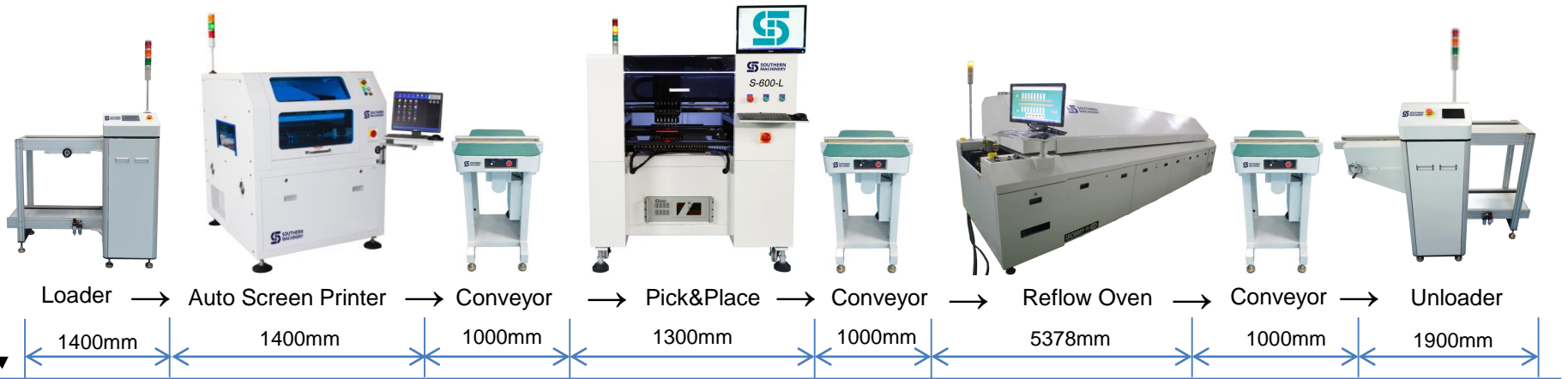


## S-600-L SMT Line

- Loader SLD-330B
- Auto Screen Printer SP-1008
- Buffer conveyor S-350C
- Pick and Place S-600-L
- Buffer conveyor S-350C
- Reflow Oven S-8800
- Buffer conveyor S-350C
- Unloader SULD-330B



Whole line length:  $1400+1400+1000+1300+1000+5378+1000+1900=14378=$  Approx.14.5 meter (Total length)

## 1.SLD-330B PCB Loader



- 1.Steel frame structure, stable and reliable .
- 2.Slide to adjust the width: W = 50 mm to 450 mm (depends on customer' s PCB)
- 3.Transport direction: from left to right, or from right to left (can be customized by customer)

1. Dimension (L\*W\*H) : 1400\*860\*1200
- 2.PCB Size: 450\*330 (L\*W)
- 3.Conveyor Height: H=920±20
- 4.PCB Direction : L→R/R→L
- 5.Pitch Selective : 10, 20, 30, 40mm
- 6.Power Supply : 220V, 50Hz
- 7.Air Supply : 0.4-0.6MPa
- 8.Communication Plug: SMEMA Signal
- 9.Net Weight: 180KG
- 10.Magazine size : L460\*W400\*565mm

## 2. SMT Buffer Conveyor S-350C\*3 unit



- 1.PCB Width : 50-350mm Adjustable
- 2.Conveyor Height:  $900 \pm 20$ mm
- 3.PCB Direction: L→R/R→L
- 4.Conveyor Speed : 0-10000mm/min Adjustable
- 5.Power Supply:Single Phase 220V,50/60Hz 80W
- 6.Rail Length : 1m
- 7.Control System : Board card control(2 sensor without stopper)
- 8.No. of Drives : 1Belt
- 9.Platform Material : Aluminum Alloy
- 10.Communication Plug: SMEMA Signal
- 11.Dimension: 1000\*690\*1000mm(L\*W\*H)
- 12.Net Weight: 70Kg

### 3.SP-1008 Automatic screen printer

\*Accurate CCD vision positioning and PCB conveying system

\*Automatic and effective stencil wiping system, such as dry, wet and vacuum cleaning

\*Automatic stencil positioning, adjustable size range from 370\*470mm to 737\*737mm

\*Z axis lifting and CCD profile adoption of pulsating CVT mode to guarantee machine's accuracy and stable running



<b>Repeat position accuracy: <math>\pm 0.01</math>mm</b>
Printing accuracy : $\pm 0.025$ mm
Cycle time: <9s (Exclude Printing & Cleaning)
Products changeover:<5min
Screen stencil size: Min 470*370mm , Max 737*737mm , Thickness 20-40mm
PCB size: Max 400*310mm ; Min 50*50mm ;Thickness 20-40mm
PCB warpage Ratio:<1% (Diagonal length as a benchmark)
Bottom of board size: 10mm
Edge of board size:3mm
Transport high : $900 \pm 40$ mm
Transport Direction : L to R , R to L, R to R , L to L
Transport Speed :100-1500mm/sec (programmable control)
Board Location: Support system/ Clamping System
Print head : Straight association motor control knife pressure blade , pressure size setting of freedom
Scraper speed :10-150mm/sec
Scraper pressure: 0-15 kg
Scraper angle: $60^\circ$ (Standard)/ $55^\circ$ / $45^\circ$
Scraper type: Steel scraper(others can be customized)
Stencil separation speed: 0.01-10mm/sec
Cleaning method : Dry , wet or vacuum cleaning (programmable any combination)
Table adjustment range: X: $\pm 4$ mm;Y: $\pm 6$ mm; $\theta$ : $\pm 2^\circ$
Image datum point type : Standard geometric datum, Welding plate/opening hole
Air pressure: 4-6kg/cm <sup>2</sup>
Air consumption:Approx. 0.07m <sup>3</sup> /min
Control method: PC control
Power supply : AC: $220 \pm 10\%$ ,50/60Hz 1 $\Phi$ 2.5KW
Machine dimension: 1400*1200*1450mm(L*W*H)
Weight:Approx:1000kg
Operation temperature: -20 $^\circ$ C to+45 $^\circ$ C
Operation Humidity: 30%-60%

## 4. Pick And Place S-600-L



Real Speed: 10,000-15,000 CPH

- Post titles with six groups can be placed up to 30 feeders.
- The maximum PCB board 400x360mm, For a variety of PCB boards , Flexible circuits boards, Aluminum panels, Power panels.
- Can be equipped with a variety of nozzles and can be manually replace.
- Can mount a variety of components : LED resistors , capacitors, IC, BGA, QFP, CFP,  $\mu$ BGA.
- Can mount 0402- 15 mm IC components to achieve the best 25,000CPH mount speed.
- Imported ball screw drive , Raw materials (Motors, solenoid valves, cables etc are based on well known foreign brands to ensure accuracy but also to protect the life and stability of the equipment.

<b>1) With Six groups nozzle, can be place up to 30pcs Feeder.</b>
2) Available PCB Size: Max. 400mm*360mm; Min. 50*50mm, suit for variety of PCB.
3) PCB Thickness: 0.5-3.0mm
4) Equipped with variety of nozzles, replace the nozzle by manual.
5) Components available: Different types of SMDs from 0402 to 15mm *15mm, including LED, resistors, capacitors, inductors, diodes/triodes, IC, SOTs, SOPs, QFPs and CSPs.
6) Highly Efficiency: 25,000 CPH
7) Number of Mounting Head: 6 head
8) Number of Feeder: 30 pcs.
9) Windows XP operation system, LED Monitor.
10) Machine vision calibration systems.
11) Air Source: 0.55MPA
12) Power Supply: Single Phase 220V, 50Hz 2.0KW
13) Dimension: 1300*1380*1790mm (L*W*H)
14) Net Weight: 1050KG

## 5. Lead-Free Reflow Oven S-8800

### • FEATURES

- ○ Complete for the lead free process
- ○ Adopt instrument control System and closed loop control for heating source of each zone.
- ○ Temperature control adopt circulation hot air heating mode for each zone;
- ○ Closed loop control for conveyor system, can go along steadily stepless rate-adjusting;
- ○ With over heating alarm function;



- 8 couples of up and down heating zone+2 cooling zones
- Windows 7 Operation System
- Computer control
- Rail+chain and mesh conveyor function
-Up-cover auto-lifting, easy for maintenance
- Complete for the lead free process
- With PCB auto-counting function and audio/visual alarm function
- Temperature Control Method: PID Close Loop Control + SSR Driving
- UPS inside and auto-time delay closing system to assure PCB and equipment do not be damaged when power off
- Build in temperature profiler (4 thermal couples)
- Temperature Deviation on PCB: $\pm 1.5^{\circ}$ C
- PCB Width: 50-400MMmm
- Conveyor rail height: $900 \pm 20$ mm
- Warming Time: Approx. $25 \pm 5$ minute
- Conveyor Speed: 300~1500mm/min
- Power Supply: 3P 380V 50/60HZ
- Power: Startup Power: 30KW Normal Power Consumption: 9KW
- Weight: 2300 kg
- Heating length: 3110(mm)

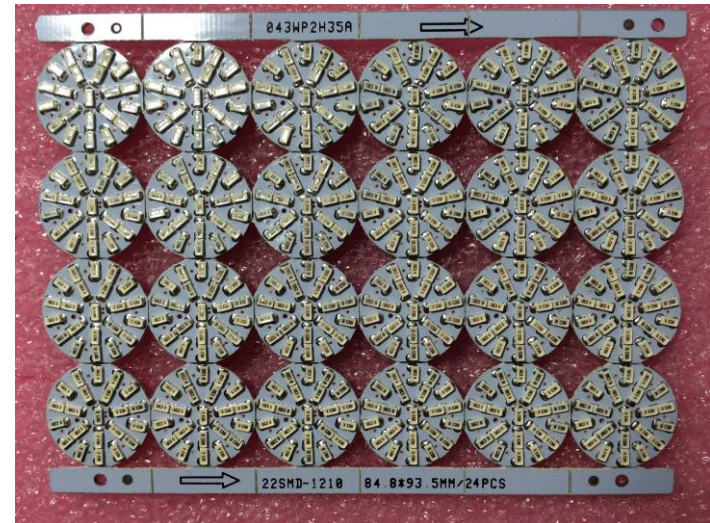
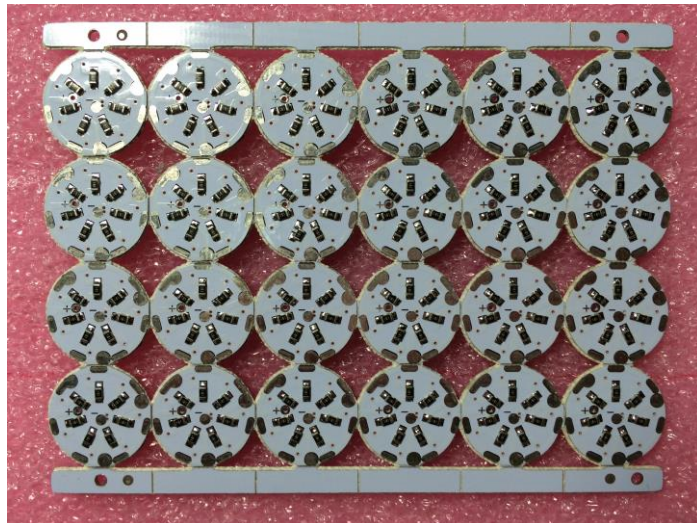
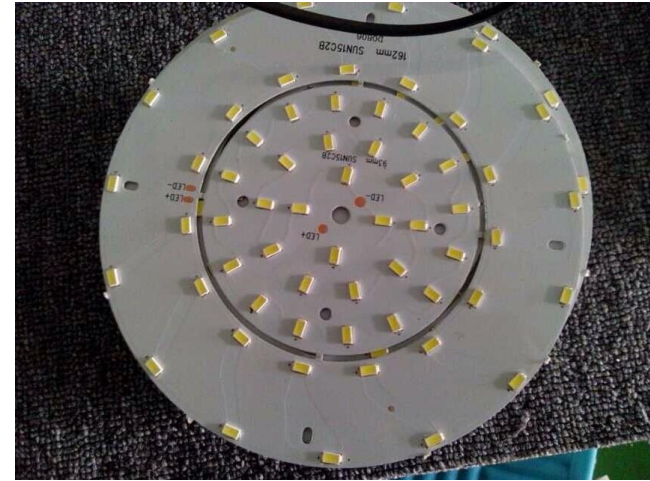
## 6.SULD-330B PCB Unloader



1. Steel frame structure, stable and reliable .
2. Transport direction: from left to right, or from right to left (Can be customized).

1. Dimension (L\*W\*H) : 1900\*860\*1200
2. PCB Size: 450\*330 (L\*W)
3. Conveyor Height: H=920±20
4. PCB Direction : L→R/R→L
5. Pitch Selective : 10, 20, 30, 40mm
6. Power Supply : 50Hz
7. Air Supply : 0.4-0.6MPa
8. Communication Plug: SMEMA Signal
9. Net Weight: 200KG
10. Magazine size : L460\*W400\*565mm

## SMD LED photo Sample



# Welcome inquiry

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