

## Stencil Printers



### Manual Stencil Printer T4030

- Print size : 300\*400mm
- Accuracy : 0.5mm IC, solder ball > 0.5mm BGA
- Speed : 6 pieces/minute



### Manual Stencil Printer T1000

- PCB size: 300\*400mm
- Rocker at top controls the printing



### Semi-auto Stencil Printer T1100

- Key-press controls the printing
- Max printing size : 220\*180mm or 220\*240mm (Option)
- Repeating accuracy :  $\pm 0.05$ mm
- Accuracy : 0.4mm QFP, ball diameter BGA > 0.4mm



### Semi-auto Stencil Printer T1200D

- Micro computer PLC control, human/machine Touch screen control
- Max printing size : 300\*400mm or 500\*600mm (Option)
- Repeating accuracy :  $\pm 0.02$ mm
- Accuracy : 0.35mm IC, ball diameter BGA > 0.4mm



### Semi-auto Stencil Printer T1200LED

- Maximum 1.2m LED strip
- Other parameters are the same than the T1200D



### Automatic Stencil Printer SP500

- New image recognition system
- Chinese/English operation interface
- Max PCB size : 300\*300mm
- Squeegee speed : 0 – 300mm/sec
- Repeating accuracy :  $\pm 0.01$ mm
- Accuracy :  $\pm 0.025$ mm

## Pick & Place Machines



### Manual Pick & Place TP38V

- + 12" LCD display, amplify components to position accurately
- + Utilization of a vacuum pen



### Semi-auto Pick & Place TP39V

- + 12" LCD display to help position
- + Flexible mount head
- + Foot pedal switch to place
- + Mount size : 260\*280mm (Mount QFP, QFN, PLCC,...)
- + Speed : 300-600 pieces/hour



### Automatic Pick & Place TP210+ V4.0

- + SMD 0603, simple IC chips below 20mm
- + Columnar diode, triode, SOT, SOP, IC chips
- + Max speed : 3700 cph
- + Feeder : 50 feeders
- + PCB size : 300\*200mm
- + Visional position + Machinery position



### Automatic Pick & Place TP300V

- + SMD capacitors and resistors 0603 and IC (below 20mm)
- + Max speed : 3000 cph
- + Max PCB size : 350\*210mm
- + Double camera system - MARK identify and visional programme



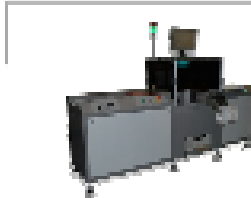
### Automatic Pick & Place TP50V-II

- + 0402, SOIC, PLCC, QFP IC (0.5mm)
- + Visional position
- + Max speed : 4000cph
- + Actual speed : 3000-3200 cph
- + PCB size 600\*300mm



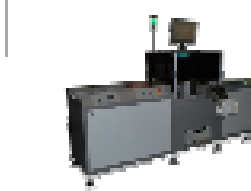
### Automatic LED mounter LED600

- 2 heads
- 4 pieces of feeders
- SMD 0402 and LED tube
- Max speed : 7000 cph
- Actual speed : 4500-5500 cph
- PCB size : 1200\*350mm



### Automatic LED mounter LED640

- 4 heads
- 8 pieces of feeders
- SMD 0402 and LED tube
- Max speed : 12000 cph
- Actual speed : 8000-9600 cph
- PCB size : 1200\*350mm



### Automatic LED mounter LED660

- 6 heads
- 12 pieces of feeders
- SMD 0402 and LED tube
- Max speed : 20000 cph
- Actual speed : 12000 cph
- PCB size : 1200\*350mm

## Reflow Ovens



### Desktop Reflow Oven T200C

- Connection with PC, software controls temperature
- Working size : 230\*360mm
- Packing weight : 58kg
- Packing size : 810\*680\*640mm



### Desktop Reflow Oven T200C+

- Connection with PC, software controls temperature
- Real-time temperature testing function
- Working size : 230\*360mm
- Packing weight : 58kg
- Packing size : 810\*680\*640mm



### Conveyor Reflow Oven TR340C

- 4 heating zones (up: 4, down: 4)
- 1 cooling zone (up: 1, down: 1)
- Net weight : 450kg
- Size : 2200\*900\*1300mm



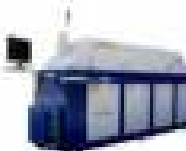
### Conveyor Reflow Oven TN350C

- 5 heating zones (up: 5, down: 5)
- 1 cooling zone (up: 1, down: 1)
- Weight : 600kg
- Size : 2500\*900\*1300mm



### Conveyor Reflow Oven TN360C

- 6 heating zones (up: 6, down: 6)
- 1 cooling zone (up: 1, down: 1)
- Weight : 680kg
- Size : 2900\*900\*1300mm



### Conveyor Reflow Oven TN370C

- 7 heating zones (up: 7, down: 7)
- 1 cooling zone (up: 1, down: 1)
- Weight : 750kg
- Size : 3100\*900\*1300mm

## Wave Soldering Machines



Desktop Wave Soldering Machine TB680

- + Single wave, for lead
- + Tin capacity : 37kg
- + PCB size : 300\*270mm (Adjustable)
- + Weight : 48kg



Lead-free Wave Soldering Machine TB7800

- + Double wave lead-free
- + PCB width : 50-200mm (Adjustable)
- + Tin capacity : 100kg
- + Spray
- + Key-press, PID control



Lead-free Wave Soldering Machine TB880C

- + Double wave lead-free
- + PCB width : 50-250mm (Adjustable)
- + Tin capacity : 300kg
- + Touch display control (Siemens)
- + Industrial PLC cooperates with software control



Lead-free Wave Soldering Machine TB980C

- + Siemens PLC+ computer
- + PCB width : 50-350mm (Adjustable)
- + Pre-heat length : 1600mm
- + Temperature control : PID + SSR

## Dispensers

### Manual Dispenser TD2000D



- Power supply : 220V
- Gas supply : 0.4 – 0.7 Mpa
- Various functions

### Automatic Dispenser TD3310



- Dispensing speed : 100 pieces/minute
- Program capacity : 100 programs/6000 parts
- Dimensions : 760\*660\*640mm
- Weight : About 45 Kg

### Automatic Dispenser TD4310D



- Double worktable
- Program capacity : 100 programs/6000 parts
- Dimensions : 680\*650\*740mm
- Weight : About 55 Kg

**TORCH** WORLD 18

## Auto Solder Paste Mixer

### Auto Solder Paste Mixer T186



- Easy operation
- Speed rotation : 500-1000RPM
- Work capability : 250g 2 times, 500g 2 times

## Auto Nozzle Cleaner

### Auto Nozzle Cleaner NC120



- Ultrasonic cleaning machine
- Clean liquid : Industry level water without ion
- Reduces the purchase cost of the nozzle

## Automatic Optical Inspectors



### Chip Checking Microscope TX400

- Work distance : 32mm – 275mm
- Display way : Computer /Monitor /LED Monitor /TV

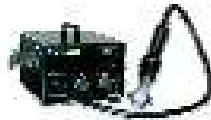


### AOI TV350

- Max PCB size : 250\*350mm
- Max speed : 14-20cm<sup>2</sup>/s
- Platform height : 50mm
- Dimensions : 877\*740\*1200mm
- Weight : 260kg

**TORCH** MODEL 20

## Hot Air Soldering Station



### Hot Air Soldering Station TORCH850

- Intelligent cooling system
- Air pump : Diaphragm type
- Air volume :  $\approx$  24L/min
- Temperature control range : 150-500° C
- Dimensions : 187\*135\*245mm
- Weight : 4kg

## PCB Plating Machines



### PCB Plating Machine PCB2100D

- Communication speed : 57600bps
- Speed of principal axis : 32000rpm
- Max area : 250\*180mm
- Working speed : 4.5m/minute
- Drill diameter : 0.5 – 3.175mm
- Dimensions : 650\*610\*560mm
- Weight : 75kg