I.C.T SMT Label Mounter I.C.T-310

Design in Taiwan

Introduction:

This unit is used to mount Various barcodes label (1D, 2D, labels with different background paper colors), various film products (translucent, opaque, different colors, different thicknesses).

Features:

1. R&D, design and manufacturing in Taiwan

2. Inline/Offline mode.

3. The X, Z, R axis adopts servo module with high precision and high speed.

4. It can realize the adsorbing and mounting of printed roll-up labels.

5. Configuring printer can realize the function of print-and-paste.

6. Configure a reader to read validation or upload barcode information.

7. The Z-axis can be adapted to label PCBA at different heights.

8. Standard 2 groups of mounting head, can adsorb 2 labels at the same time.

9. Each group of mounting heads is equipped with independent vacuum detection to prevent leakage and falling of the mark.

10. Online database system to upload and feedback barcode information.

11. 360° servo rotation, control mounting.

12. 600dpi latest zebra industrial grade printer.

13. 5 million industrial cameras, with three-color light source, to deal with various labels.

14. Interconnection with MES system to provide production statistics related information.
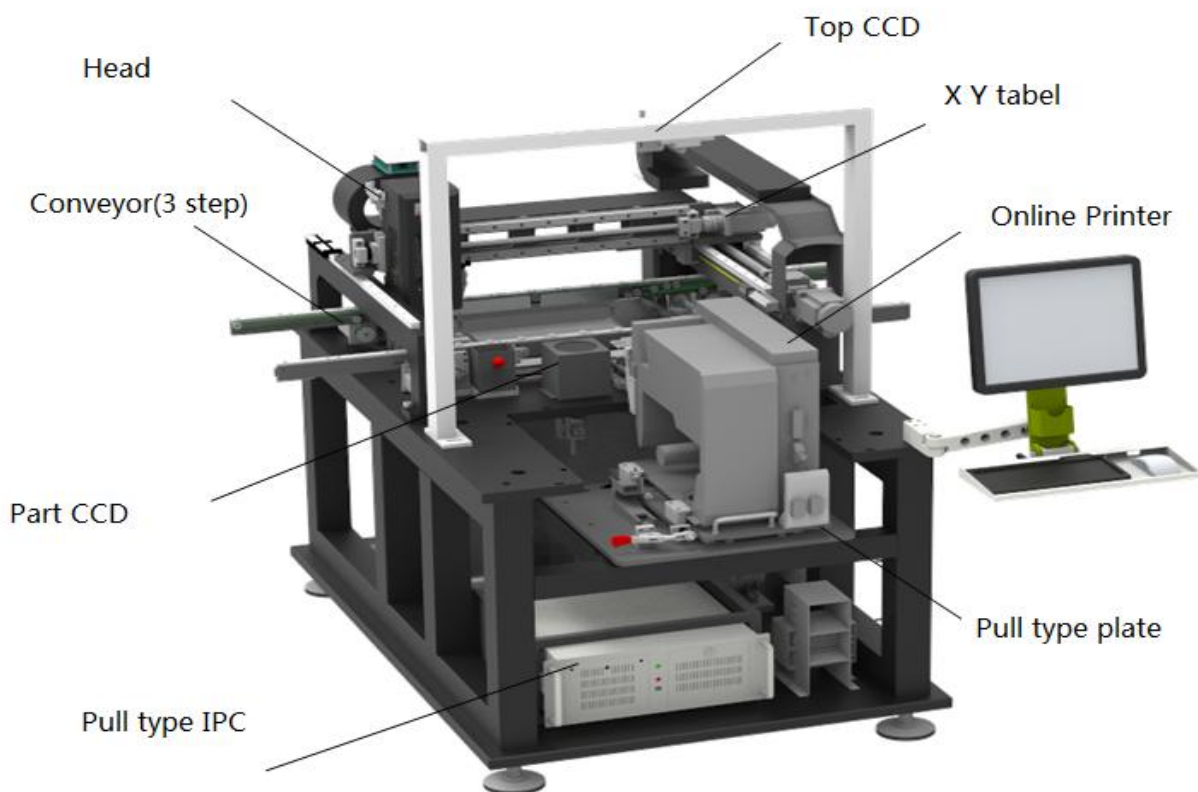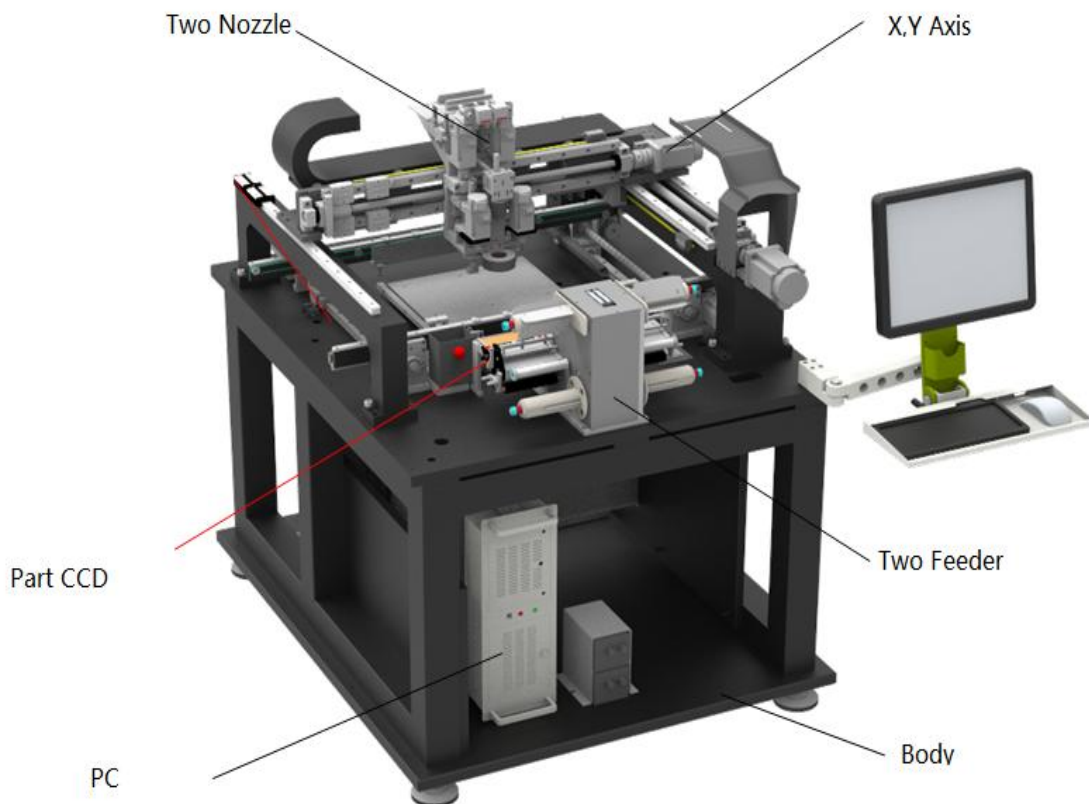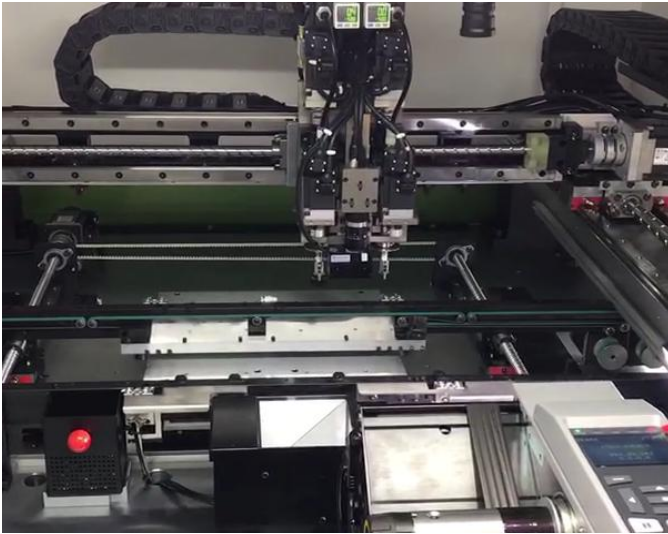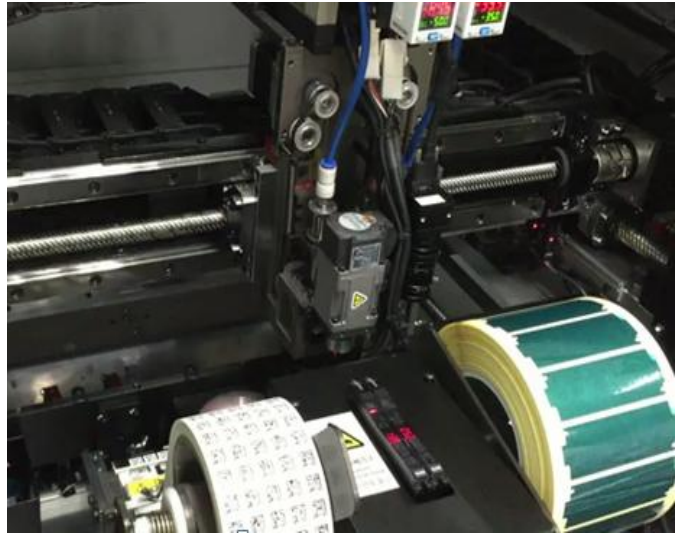
Two Nozzle

X,Y Axis

Part CCD

Two Feeder

PC

Body

Head

Top CCD

X Y tabel

Conveyor(3 step)

Online Printer

Part CCD

Pull type plate

Pull type IPC

Photo:

Transport system

The unique belt conveyor can effectively prevent stuck PCB.
The motor controls the speed is precise.PCB entry and exit
directions are freely available. Automatic width adjustment.

Feeder system

Two feeder positions,maximum width of 110mm feeder,have high
versatility, electronic link mode, visual recognition, effectively
shorten the installation time and improve efficiency.

Mount system

The nozzle is independently controlled by double stepping
motors and double slide rail to ensure accurate and stable
pressure.

Operat system

Windows,Friendly MMI interface, teaching and navigation function.
Operation log, fault record analysis and other diagnostic functions.
New program is controlled within 5-10 minutes.
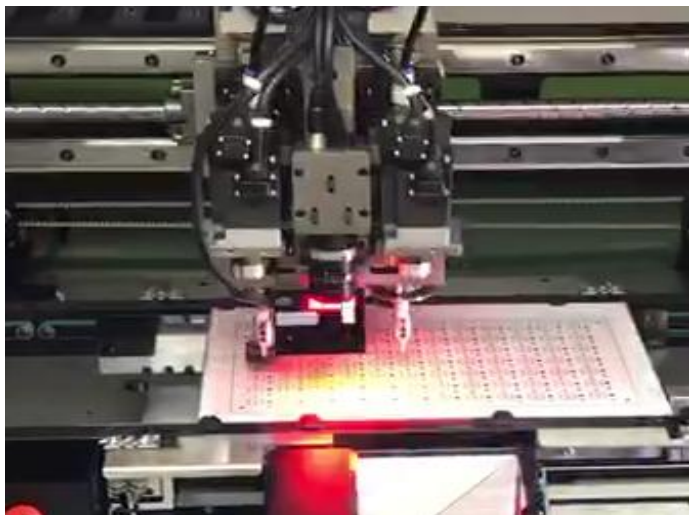
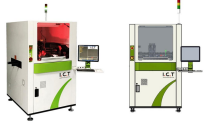| Mark system	Printing system
PCB Mark identification, bad mark recognition function (automatic springboard), intelligent guidance of program making, barcode reading.	With Zebra printer, different contents can be printed online, printing and mounting can run synchronously, which can realize the flexibility of label mounting.
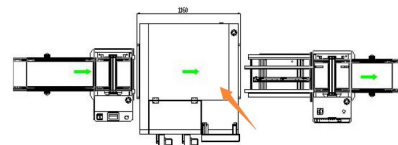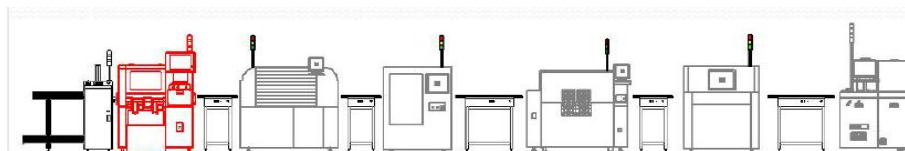
Materials List:

No.	Item	Brand	Original
1	Ball screw	KURODA, HIWIN	Japan, Taiwan
2	Linear Guideway	IKO, HIWIN	Japan, Taiwan
3	Sensor	OMRON, Panasonic	Japan
4	X Y Axis Servo motor	MITSUBISHI	Japan
5	Z Axis Servo motor	MITSUBISHI	Japan
6	R Axis Servo motor	MITSUBISHI	Japan
7	Cylinder	SMC	Japan
8	Vacuum generator	SMC	Japan
9	CCD Camera	BASLER	Germany
10	Software	I.C.T	China
11	Switch	SMC, IDEC	Japan

Standard Accessories:

No.	Item	Quantity
1	Nozzle	2pcs

2	Belts	2pcs
3	SMEMA line	1pcs
4	Manual	1pcs
5	Display	1pcs
6	Toolbox	1set

Specification:

| Item	I.C.T-310	I.C.T-310P	I.C.T-310DP	I.C.T-310L
Photo				
Internal Printer	N/A	Zebra Brand	Zebra Brand *2	N/A
Speed	3500pcs/H			
Label Size	4*4~50*30mm			
Labeling Precision	±0.05mm		±0.1mm	±0.05mm
Labeling Angle	360°			
Labeling Height	0.6-7.0mm			
Nozzle	2			
Nozzle Vacuum	Vacuum pump			
Feeder Input	2	1	N/A	2
Feeder Width	110mm&60mm		N/A	110mm&60mm
PCB Size	50*80mm~450*350mm Thickness: 0.5-6mm		50*50mm~350*300mm Thickness: 0.6-5mm	50*80mm~700*500mm Thickness: 0.5-6mm
Top Surface Height of PCB	<25mm			
Bottom Surface Height of PCB	<25mm			
Position System	5M CCD			
Operation Mode	X, Y, Z, R movement (Servo Motor)			
Conveyor Speed	0~1000mm/min			
Power	AC220V/50Hz, 1KVA			AC220V/50Hz, 1.5KVA
Air Pressure	0.5~0.6Mpa			
Body Size	L1000*W1200*H1500mm		L1000*W1500*H1550mm	L1200*W1200*H1500mm
Weight	1250Kg		1450Kg	1350Kg

* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

Dimension:

I.C.T-310&I.C.T-310P
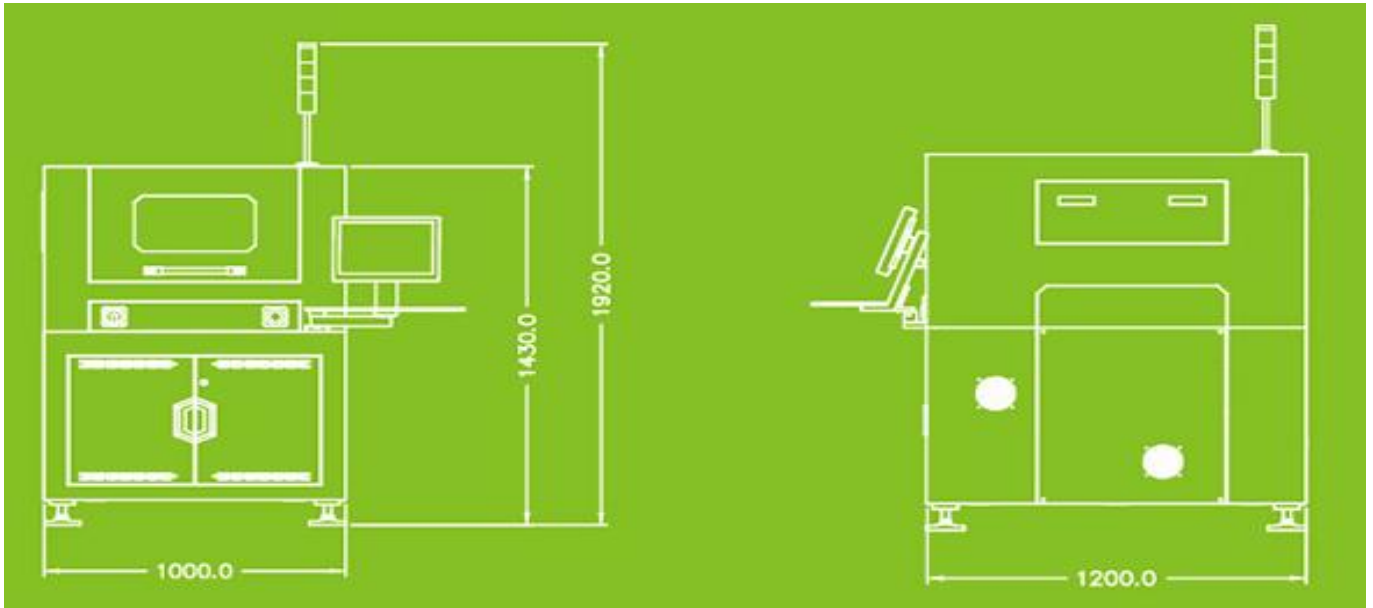
I.C.T-310L

YouTube video link: https://youtu.be/a5YjRiYQ25o
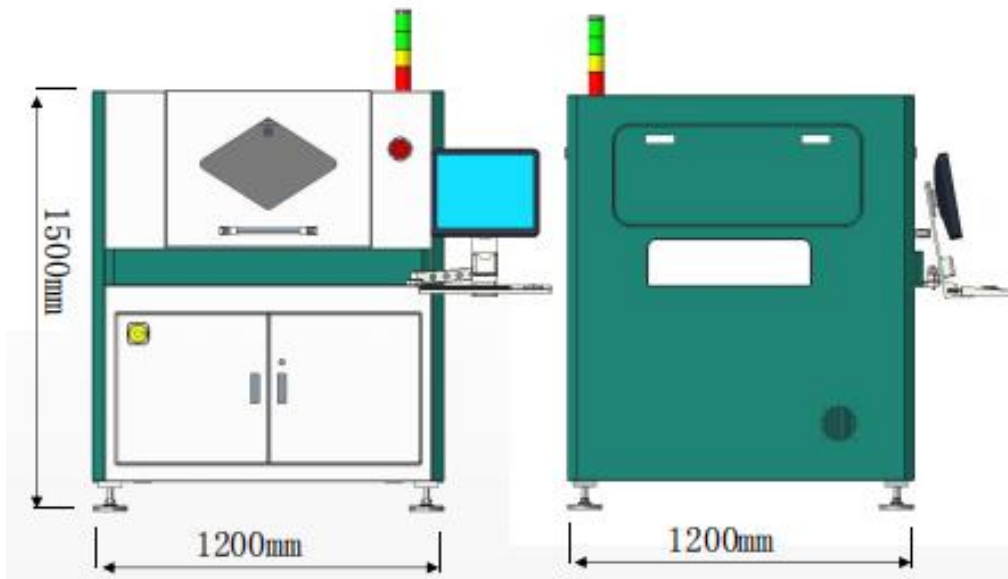
Thanks for choosing I.C.T.

I.C.T looks forward to win-win cooperation.

Thank you.