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

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. ln-line/Off-Line 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.

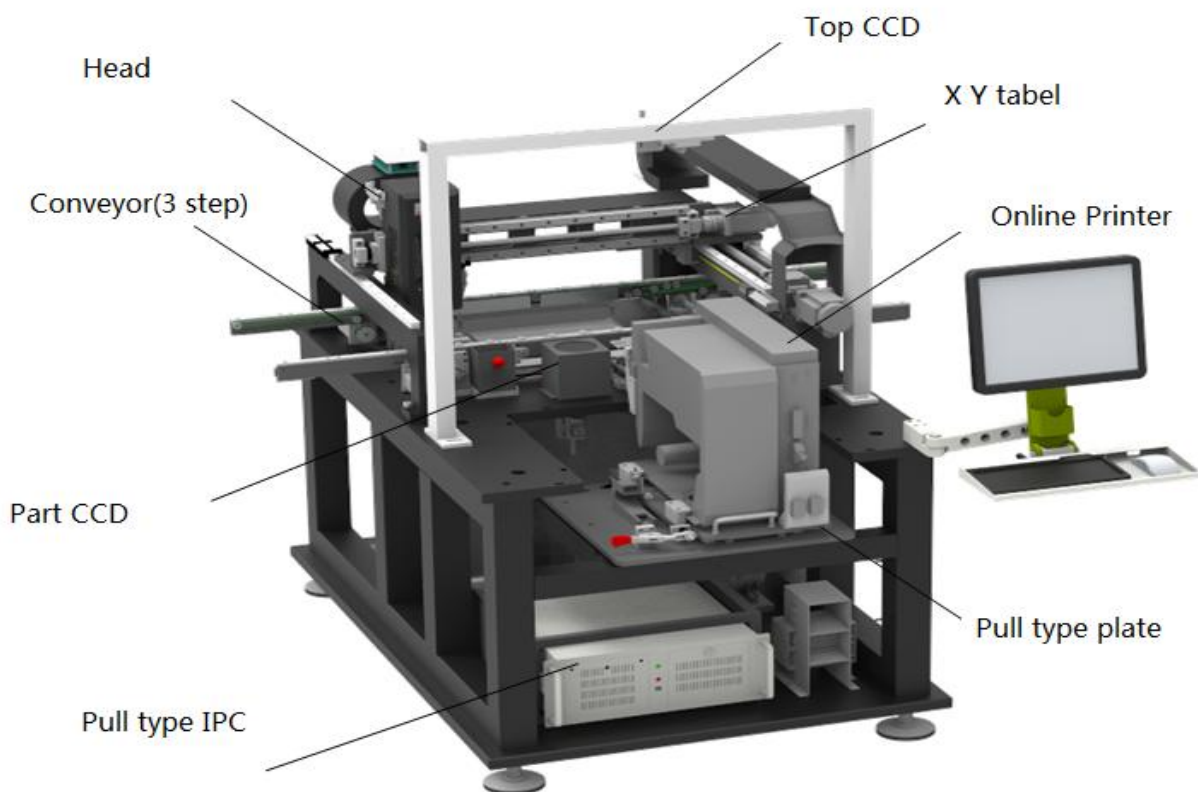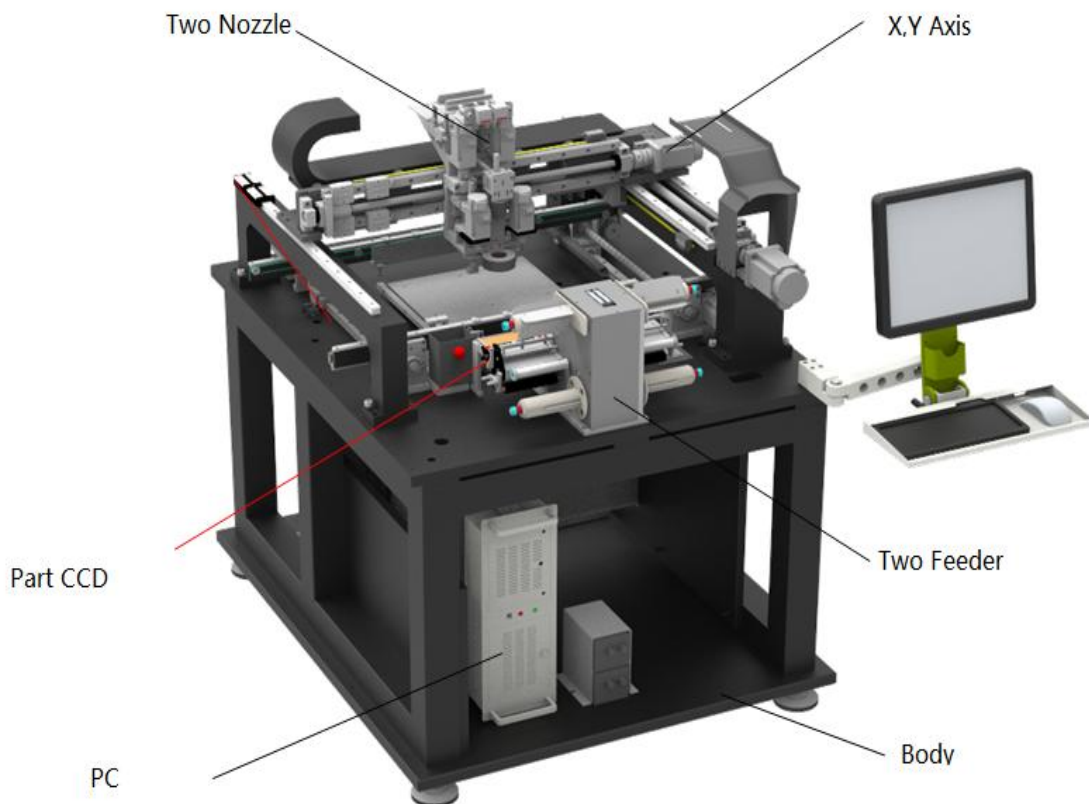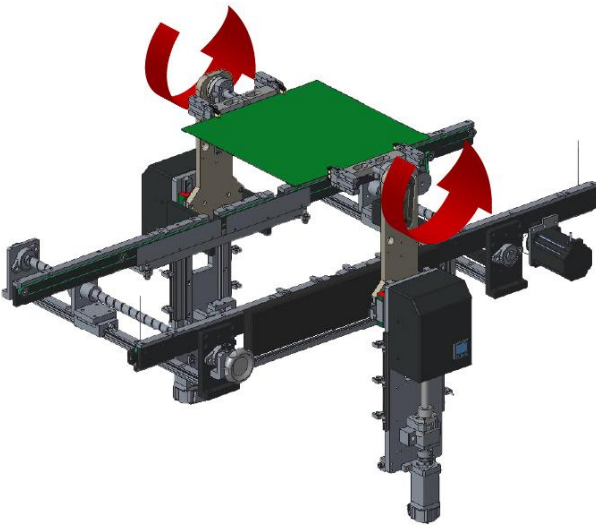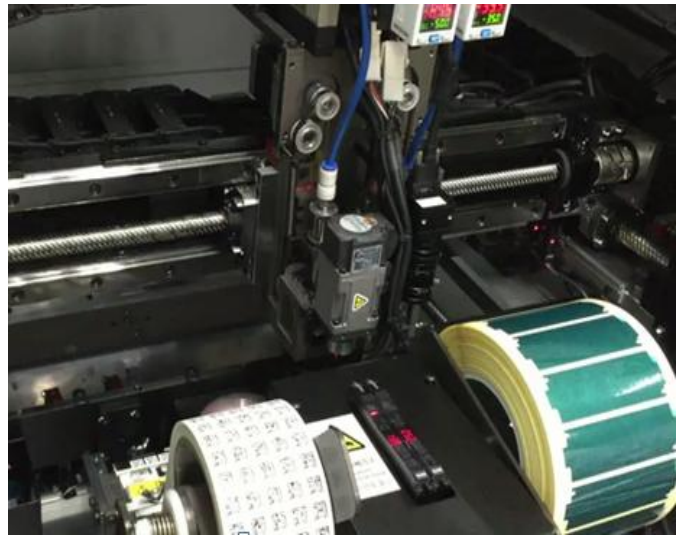15. Equipped with flip function, double-sided labeling can be realized.

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 effectively prevents jammed PCBs. Motor controlled speed is precise. Equipped with flap module. 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.
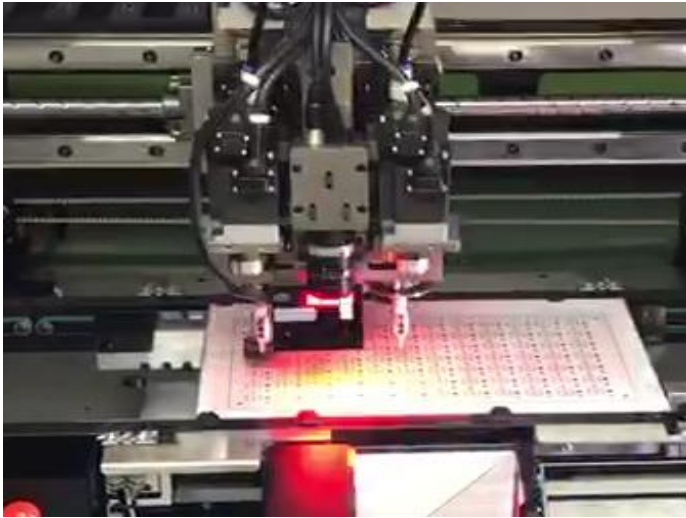

Mount system

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

Operate 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.
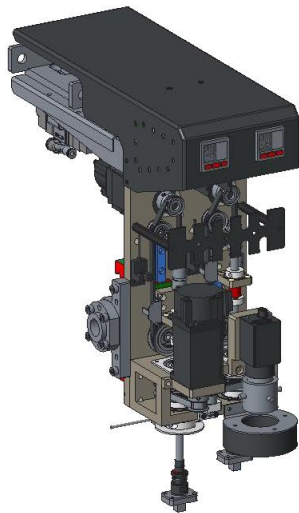
Mark system

PCB Mark identification, bad mark recognition function (automatic springboard), intelligent guidance of program making, barcode reading.
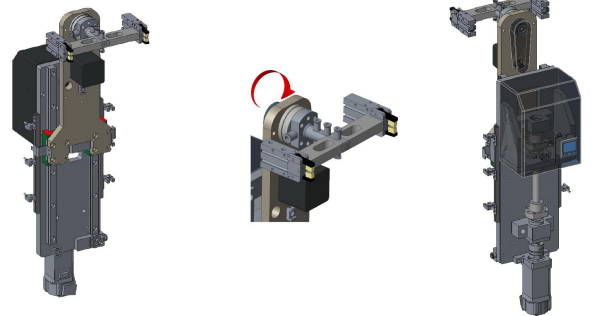
Printing system

With Zebra printer, different contents can be printed online, printing and mounting can run synchronously, which can realize the flexibility of label mounting.
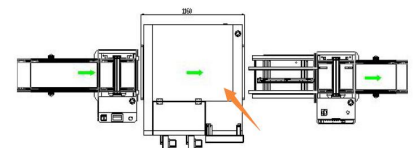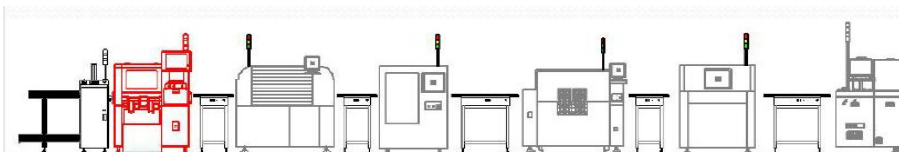

Vacuum system

Servo motor control nozzle up and down, angle rotation, vacuum adsorption and CCD with each other to improve the success rate of adsorption.

Flipper system

Unique flip structure, using soft rubber clamping cylinder, two groups of flip module lifting and rotation unified control, to ensure PCB board deformation and distortion

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-310F
Internal Printer	N/A
Speed	1800pcs/h
Label Size	4*4~50*30mm
Feeder width	110mm&60mm
Labeling Precision	±0.1mm
Labeling Angle	360°
Labeling Height	0.6~7.0mm
Nozzle	2
Nozzle Vacuum	Vacuum pump
Feeder Input	1
PCB Size	L50*W80mm~L330*W250mm; Thickness 0.5mm~6mm
Top Surface Height of PCB	<25mm
Bottom Surface Height of PCB	<25mm

Position System	Top 5M CCD; Bottom 1.3M CCD
Operation Mode	X,Y,Z,R movement (Servo Motor)
Conveyor Speed	5000~30000mm/min
Conveyor Time	Transport ≤ 3s ; Flip 3-5s
Transport Direction	Left-Right; Right-Left
Power	AC220V/50Hz, 1kva
Air Pressure	0.4~0.6Mpa
Dimension	L1000*W1200*H1700mm
Weight	1250Kg

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

Thanks for choosing I.C.T.

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

Thank you.