I.C.T Inline SMT PCBA Router Machine I.C.T-IR350

Introduce：

I.C.T inline pcba router is a high-precision high-speed dual-platform on-line pcba router, which is used in smart phones, smart wear, smart home, tablet computers, automotive electronics, medical devices, aerospace, military and other fields.

Features：

1,New CCD system,new vision system can correspond to all kinds of pcb mark.with visual counterpoint correction function.

2,The sensor can monitor the milling cutter state in real time, and effectively prevent the continuous operation of the cutter.

3,Using high speed spindle, cutting stress is greatly reduced, precision is high, inertia is small, and response is fast.

4,Ion air gun will remove static electricity on PCB surface and prevent dust from adsorbing on PCB.

5,Automatic loadering - picking and placing – cutting – unloadering pcba,unloadering solution can be option.

6,Adopt CNC special controller,high stability and strong anti-interference.

7,The separated vacuum dust collector adopts high efficiency motor with high suction and low noise.

8,Realize automation, save manpower and improve quality.

9,Automatic storage product information, automatic adjustment conveyor width, improve the speed of line change.

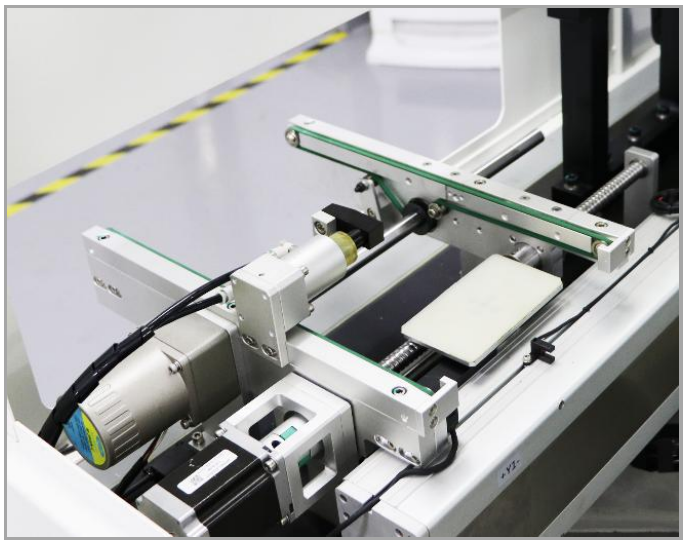
10,Loadering pcba the automatic splint function replaces the traditional cylinder and is more accurate.

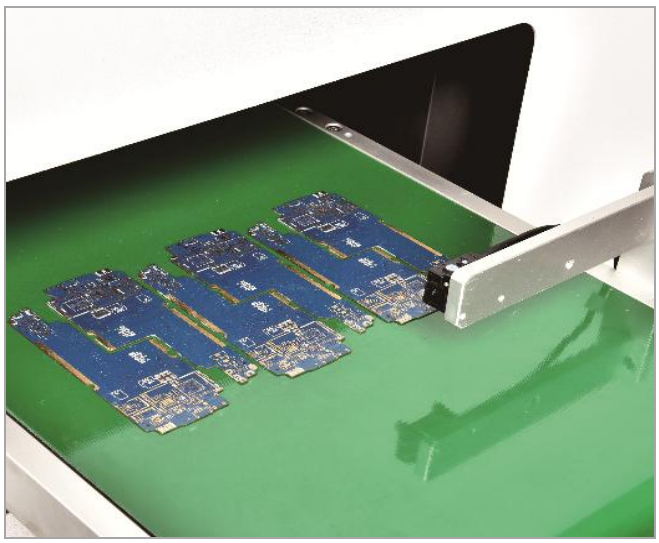
11,Dual working platform to improve cutting efficiency.

12,Pcba can be cut and move at the same time to improve productivity efficiency.

13,Standard MES or ERP connection ports, real-time connection to the central database.

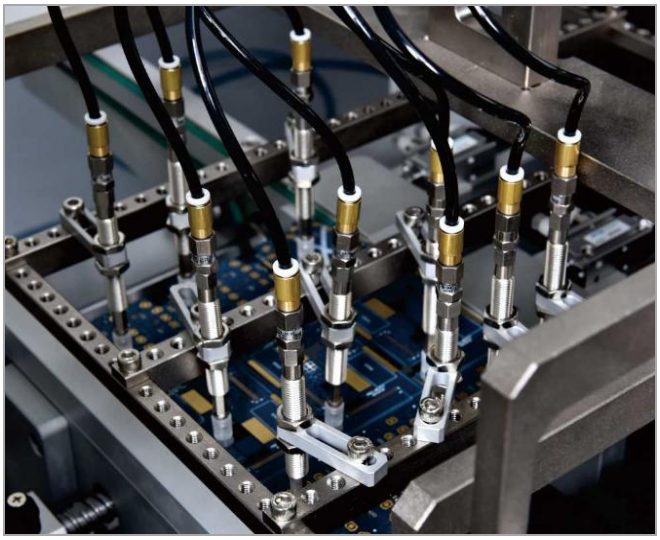
14,Bar code camera is option, which can scan barcode automatically and upload.





Feeding System

The new feeding system replaces the traditional cylinder structure to ensure more accurate feeding and automatic width adjustment of the conveyor. Unloading to conveyor belt, with detection function, easy to use at the back of the station, unloading conveyor mode is optional.

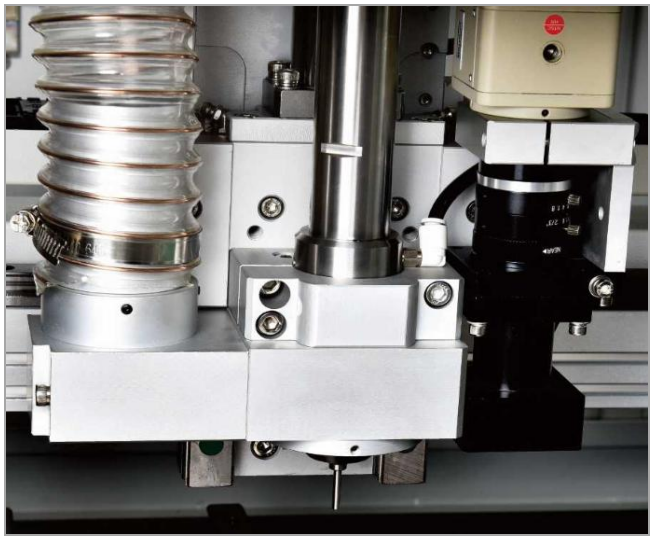


Pick&Place System

Using precise double servo to pick and place Pcba instead of traditional cylinder (or double cylinder to take and place)

Double servo screw structure pick and place Pcba will improve the accuracy.

The Z1 axis is responsible for picking Pcba in and out of the board, while the Z2 axis is responsible for picking Pcba out and putting it in the next station after the cutting is completed. The traditional which has the disadvantages of slow speed. Dual mechanical pick-and-place structure greatly improves operation efficiency and productivity.



CCD camera alignment system, Milling cutter Auto-change system,Whole board scanning function,MES system,Precision Dust-proof Module, The UPH is calculated automatically.Intelligent Milling Tool Database,Automatic recording of products cut by each milling cutter to achieve traceability

Configuration：

Parts	Brand	Place of origin
X-axis servomoter	Panasonic	Japan
Y-axis servomoter	Panasonic	Japan
Z-axis servomoter	Panasonic	Japan
Main-axis/ spindle	NSK	Japan
CCD	MINTRON	Taiwan
I/O Board	I.C.T	China
Guide rail	PMI/HIWIN	Taiwan
Ball screw	PMI	Taiwan
Coupling	NBK	Japan
Sensor	Takex	Japan
Tank Chain	IGUS	Germany
Flexible cable	IGUS	Germany
Bearing	NSK	Japan
Switch, Button	TD,LJ	Taiwan

Specification :

PCB Router	I.C.T-IR350
Pcb Size	300*350mm
Platform Number	Double
PCB thickness	0.3~6.0mm
PCB support mode	Multifunctional fixture, special fixture
X、Y Cutting Speed	0~100mm/s
Repeat Precision	± 0.01mm
X、Y、Z Driving Method	AC Servo motor
X、Y、Z Control mode	CNC controller
Ion air gun	≤±15v（ESD 12M09158A58）
Operation and Data Storage	PC System
Cut Precision	± 0.08mm
Rotational Speed of the Main Shaft	Max 80000rpm
Voltage	220V,50/60HZ
Air Pressure Supply	4.5kg/cm2
Power Supply	1.5kw
Weight(with vacuum cleaner)	1100kg
Dimension	1930*1350*1700mm
Dust Collection Method	Vacuum cleaning
Air volume of vacuum cleaner	28~35m³/min
Vacuum cleaner Dimension	750*600*620mm
Voltage of the Dust Collector	380V,50/60HZ,3kw

* 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.