

I.C.T SMT INLINE PCBA ROUTER MACHINE



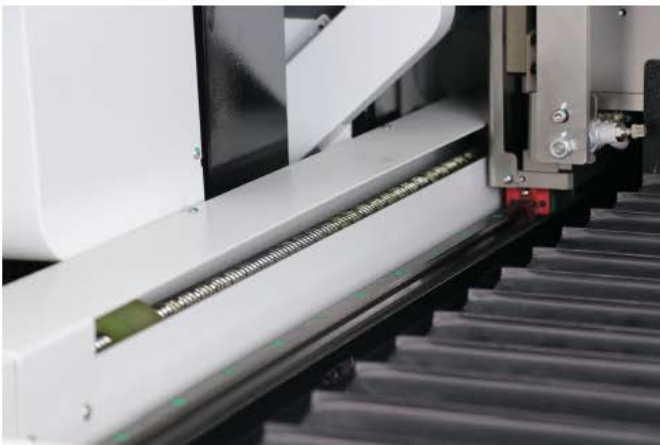
I.C.T IR series is a high-precision pcba router, which is used in smart phones, smart wear, smart home, tablet computers, automotive electronics, medical devices, aerospace, military and other fields.

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. Dual-platform structure, quick-release structure, flexible adjustment, and exclusive jig, higher efficiency and enhanced equipment flexibility;
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. Humanized operation system design, simple operation, flexible.

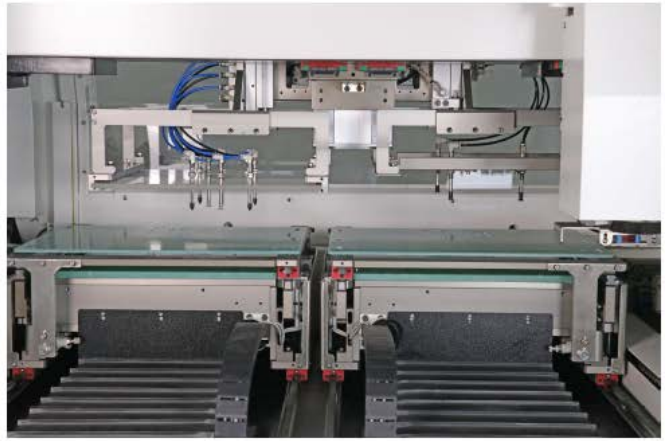
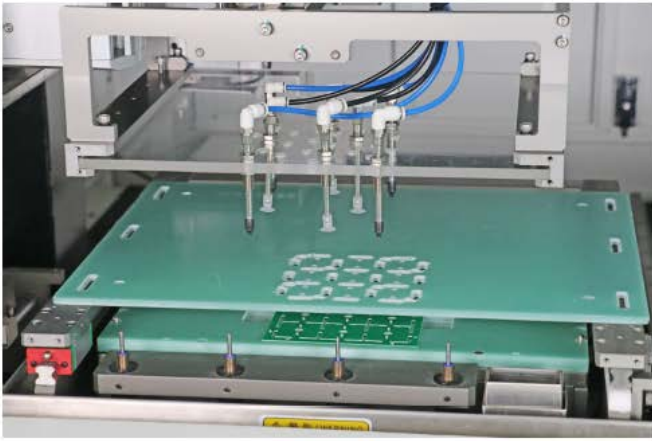


1. Imported Panasonic servo motors, paired with high-precision screw rods, ensure the accuracy of the motion system;
2. Stronger and thicker mechanical structure greatly improves the stability of machine operation.

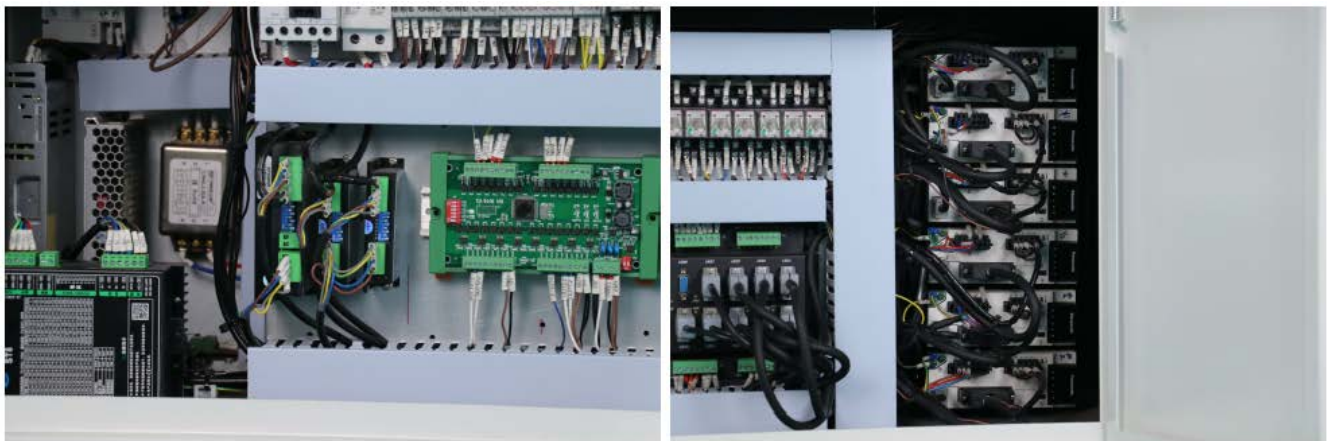
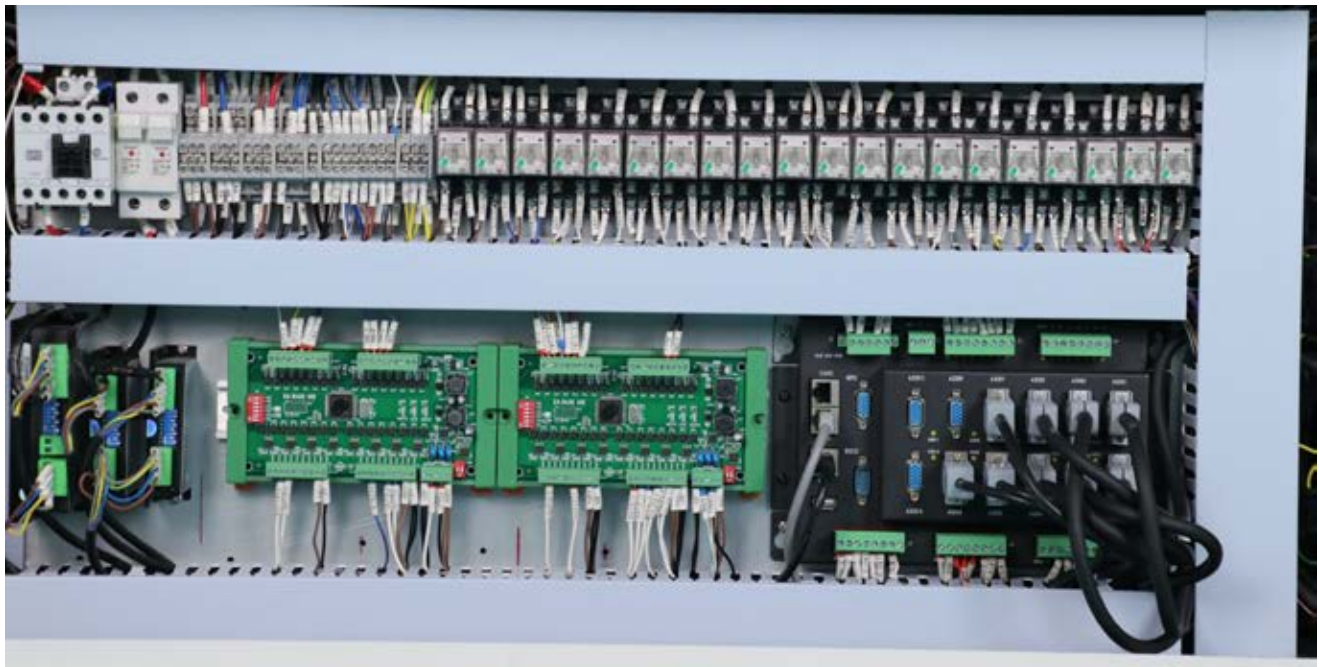


1. Incoming board track, outgoing board belt type, high-precision light curtain sensor senses the PCBA small board after cutting;
2. Standard access control security sensor, optional safety light curtain, higher security;

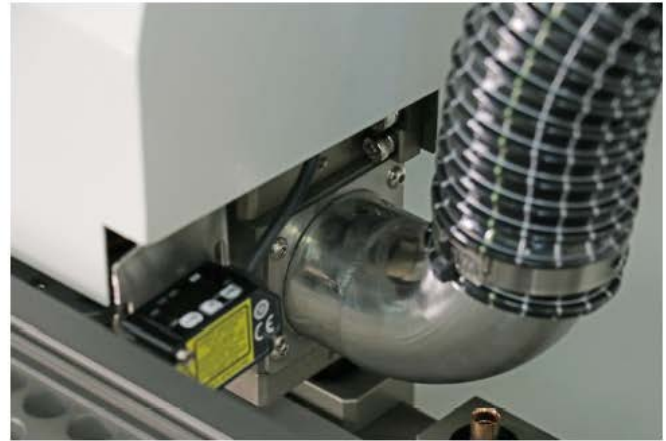




1. High-definition vision system, coaxial with the milling cutter, easy camera calibration;
2. Standard tool breakage detection function, automatic alarm prompt if the milling cutter is broken or worn;
3. Standard automatic tool changing function ensures uninterrupted work and higher efficiency;
4. The dual platforms can be produced independently without interfering with each other, resulting in higher production efficiency.



1. Industrial computer + PLC control, high control precision and good stability;
2. Production data can be traced and log report output can be generated;
3. Option MES function can output customer-customized production information and understand the equipment status in real time;
4. It has the functions of whole board scanning, CAD import, rapid path optimization, and offline programming.



1. Use a liftable brush to take into account the depth of the knife and reduce brush gaps;

2. The annular vortex static elimination and air separation mechanism effectively removes the static electricity generated during cutting.

Configuration

Parts	Brand	Place of origin
X-axis servo motor	Panasonic	Japan
Y-axis servo motor	Panasonic	Japan
Z-axis servo motor	Panasonic	Japan
Main-axis/ spindle	NSK	Japan
CCD	HIKVISION	China
I/O Board	I.C.T	China
Guide rail	PMI/HIWIN	Taiwan
Ball screw	TBI	Taiwan
Power switching supply	Delta	Taiwan
Sensor	Omron	Japan
Bearing	NSK	Japan

Specification

PCB Router	I.C.T-IR350
PCB Size	350*310mm
Platform Number	Double
PCB thickness	0.5~4.0mm
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
Milling cutter size	0.8~3mm
Operation and Data Storage	PC System
Platform Drive	Motor
Cut Precision	± 0.05mm
Rotational Speed of the Main Shaft	Max 80000rpm
Voltage	220V,50/60HZ
Air Pressure Supply	4.5kg/cm ²
Power Supply	1.5kw
Weight(with vacuum cleaner)	1000kg
Dimension	1450*1330*1641mm
Dust Collection Method	Vacuum cleaning
Air volume of vacuum cleaner	28~35m ³ /min
Vacuum cleaner Dimension	650*750*1500mm
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.