

I.C.T SMT Inline PCBA Router Machine



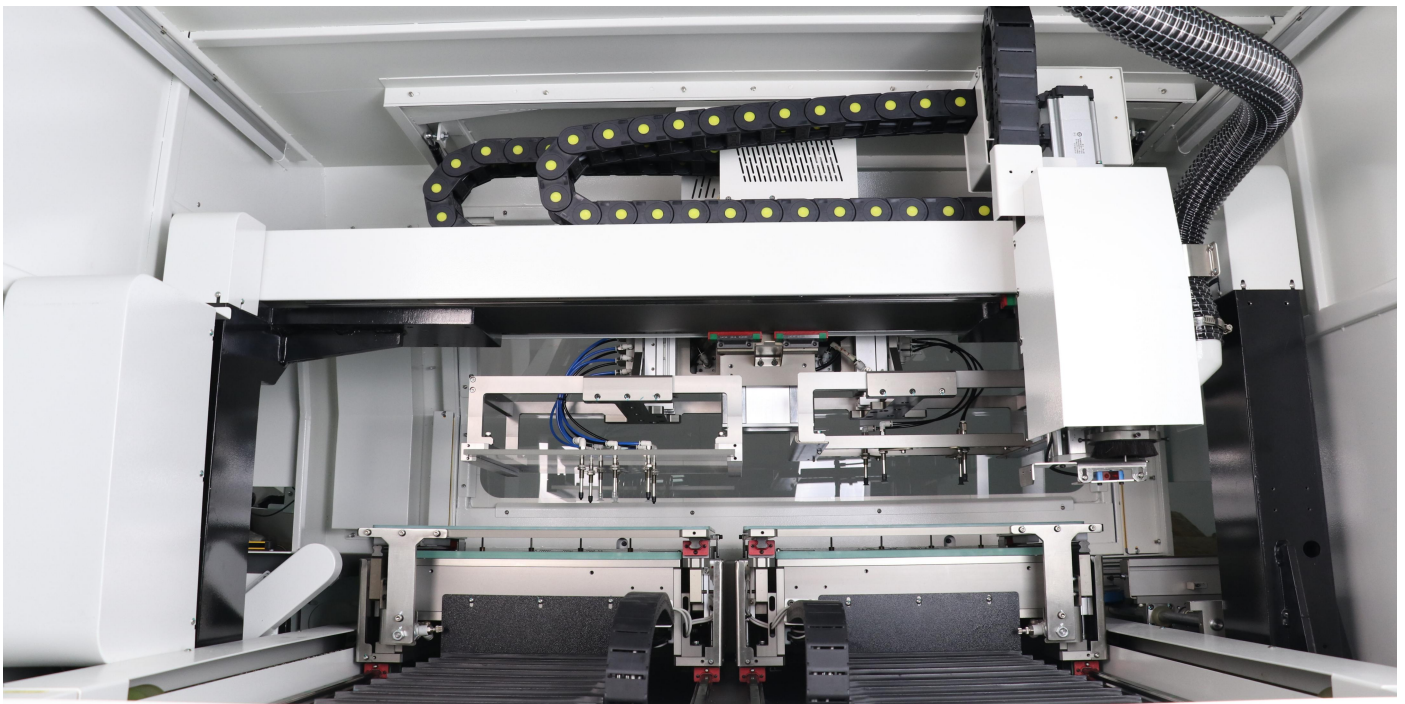
Introduce:

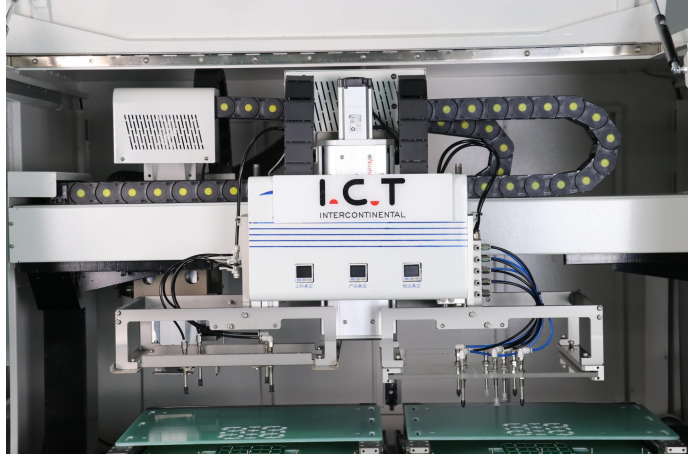
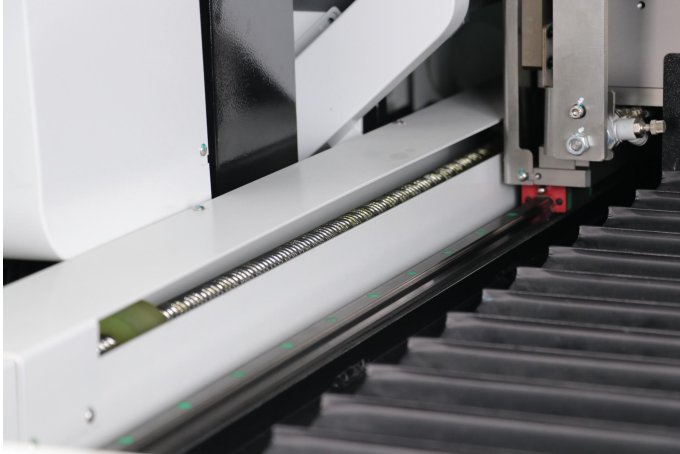
I.C.T IR series is a high-precision pcba router, which is used in smart phones, smart wear, smart home, tablet computers, automotive electronics, medical devices, aerospace, military and other fields.

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.

Features 1:





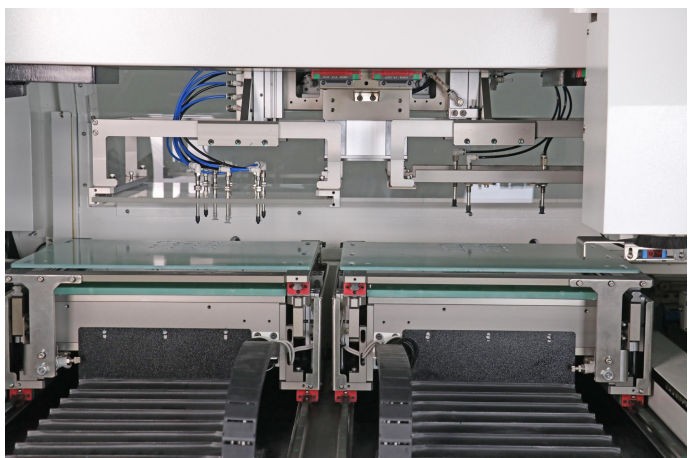
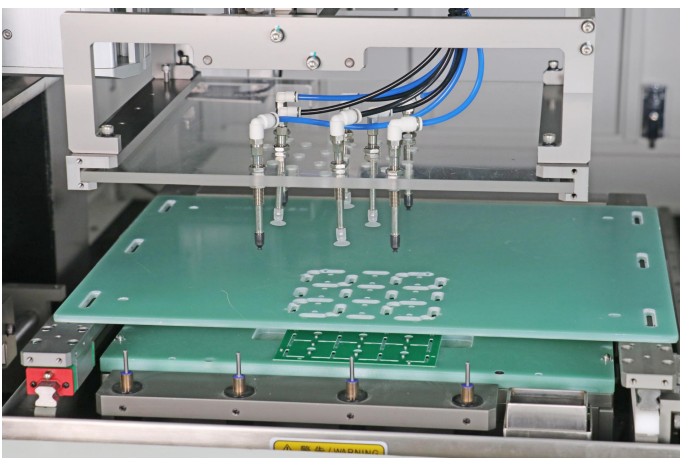
1. Imported Panasonic servo motors, paired with high-precision screw rods, ensure the accuracy of the motion system;
2. Stronger and thicker mechanical structure greatly improves the stability of machine operation.

Features 2:



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;

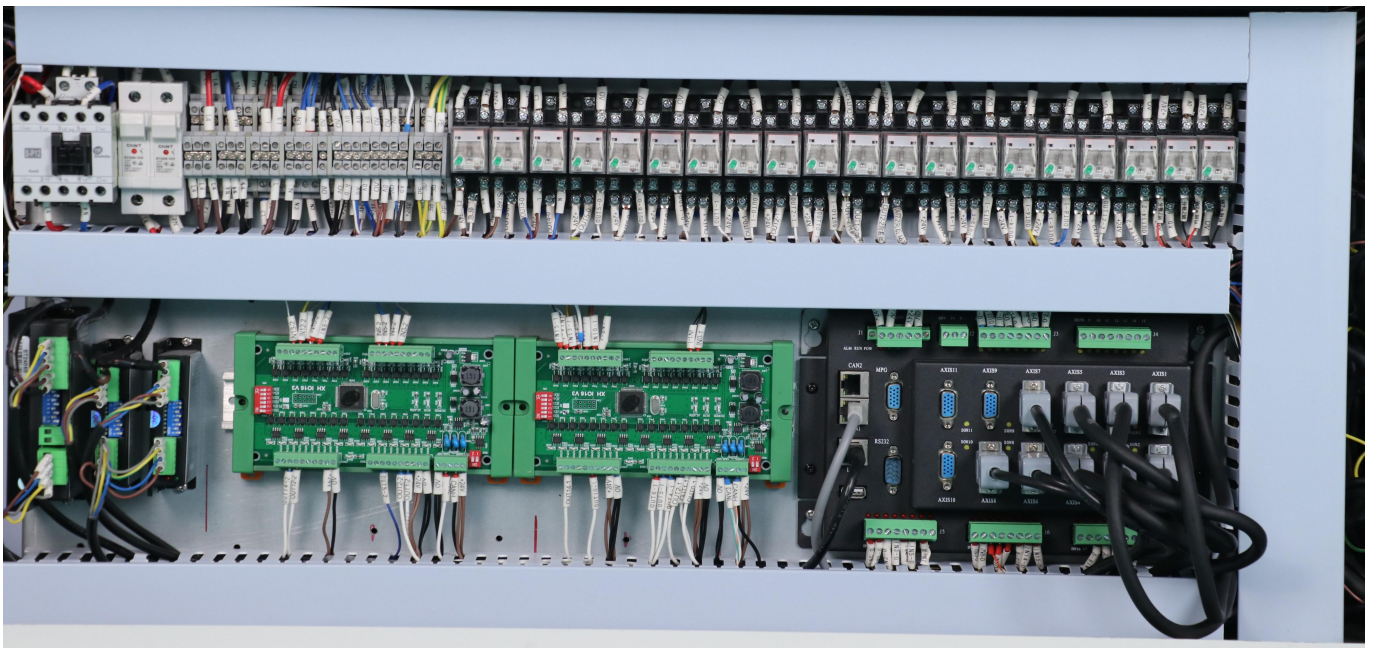
Features 3:

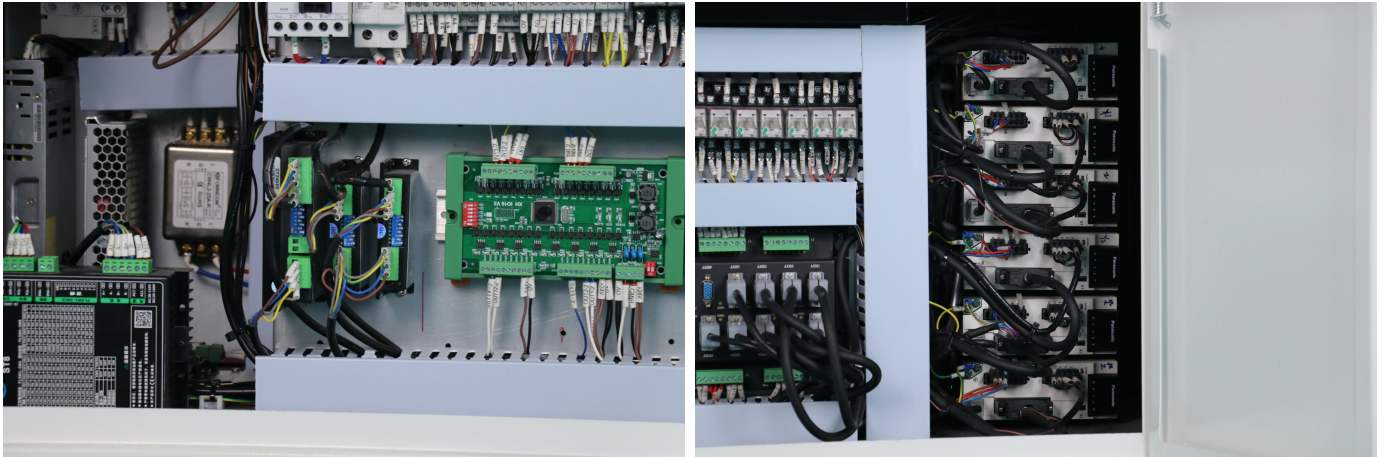




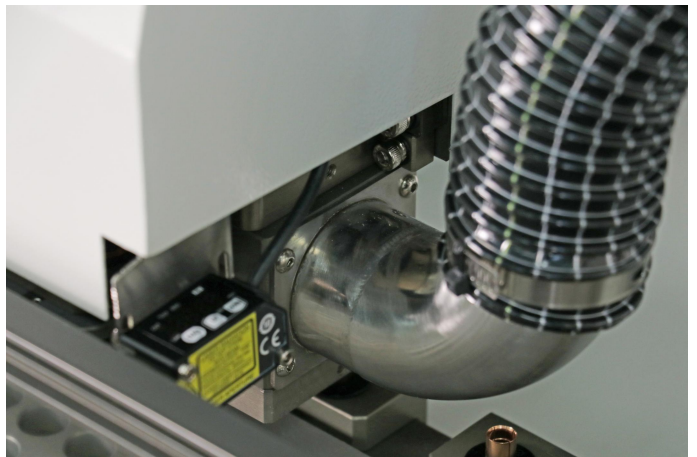
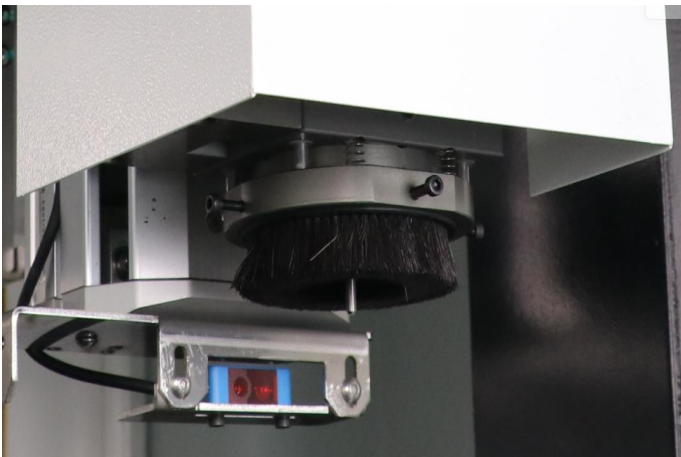
1. High-definition vision system, coaxial with the milling cutter, easy camera calibration;
2. Standard tool breakage detection function, automatic alarm prompt if the milling cutter is broken or worn;
3. Standard automatic tool changing function ensures uninterrupted work and higher efficiency;
4. The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

Features 4:





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.

Thanks for choosing I.C.T

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

Thank you.