

I.C.T SMT OFFLINE PCBA ROUTER MACHINE



I.C.T 5700 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.

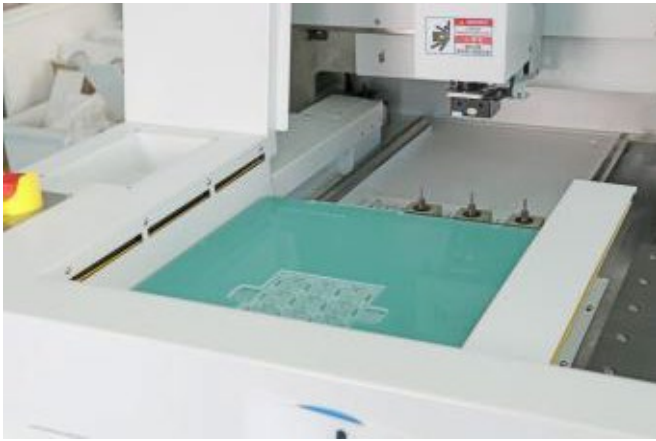
Features

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, can deal with different products at the same time, while the dual platform can be combined into a single platform, enhance the flexibility of equipment;
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.



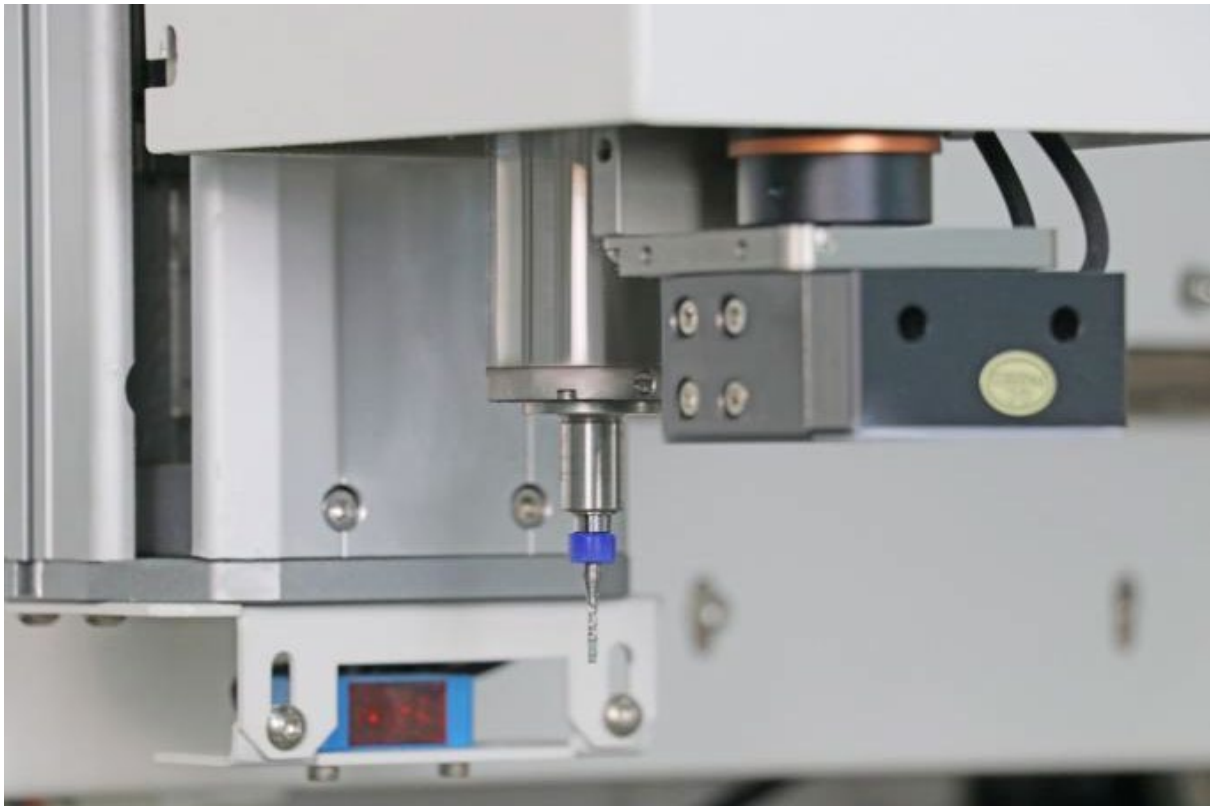


1. Imported Panasonic servo motors, paired with high-precision screw rods, ensure the accuracy of the motion system;
2. Stronger and thicker mechanical structure greatly improves the stability of machine operation.



1. Start buttons on both sides. Only two simultaneous presses can start the machine, ensuring the safety of operation;
2. Two-way emergency stop button, multiple protections;
3. Standard safety protective cover, safety light curtain.



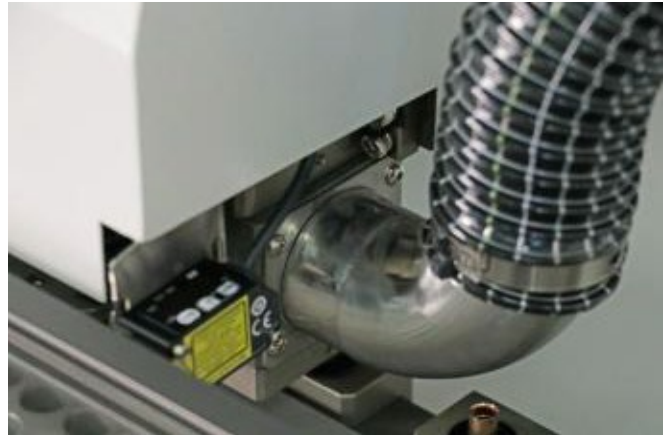


1. High-definition vision system, coaxial with the milling cutter, easy camera calibration;
2. Standard tool break, slide detection function, automatic alarm prompt if the milling cutter is break, slide;
3. Option automatic tool changing function, it ensures that the machine can work continuously without stopping and achieve higher efficiency;
4. Dual platforms can produce independently without interfering with each other, and can also be merged into a large platform.





1. Industrial computer + Motion card 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, Option 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 servomotor	Panasonic	Japan
Y-axis servomotor	Panasonic	Japan
Z-axis servomotor	Panasonic	Japan

Main-axis/ spindle	RSK	China
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-5700M	I.C.T-5700L	I.C.T-5700LL
Rotational Speed of the Main Shaft	340*380mm	340*450mm	450*600mm
Platform Number	Double	Double	Double
PCB thickness	0.5~5.0mm		
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 60000rpm		
Voltage	220V,50/60HZ		
Air Pressure Supply	4.5kg/cm2		

Power Supply	1.5kw		
Weight(with vacuum cleaner)	1000kg		
Dimension	1290*1100*1437mm	1290*1400*1437mm	1380* 1591*1441mm
Dust Collection Method	Vacuum cleaning		
Air volume of vacuum cleaner	28~35m ³ /min		
Vacuum cleaner Dimension	640*785*1760mm		
Voltage of the Dust Collector	380V,50/60HZ,2.2kw		

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