

SMT PCBA Router Machine I.C.T-5700



Introduce:

I.C.T 5700N 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.



Milling Cutter Detection

Using sensor real-time monitoring of milling cutter status, can effectively prevent the cutter from continuing to run after breaking.



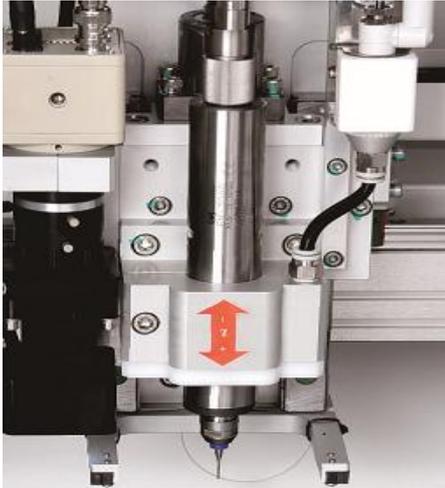
Vision system

Uniform ring and high brightness light source can identify various types of Mark. Suitable PCB to ensure high accuracy.



Ion Air Gun

Cutting generates a lot of static, dust will be adsorbed on PCB, annular ion gun structure, gently blowing the ion wind to eliminate static.



Cutting Spindle

Japan's high-speed spindle, high standard hardware greatly reducing cutting stress, high precision, small inertia, fast response



Dual Platform

Double platform, can also be used as a single platform to bigger PCB, greatly improve the efficiency and flexibility of equipment. Cylinder or motor drive can optional



Dust Absorption

Closed design, 45 degree inclined angle, reduce dust eddy current phenomenon, vacuum cleaner with high power motor and wind blade, high suction, low noise.

Configuration:

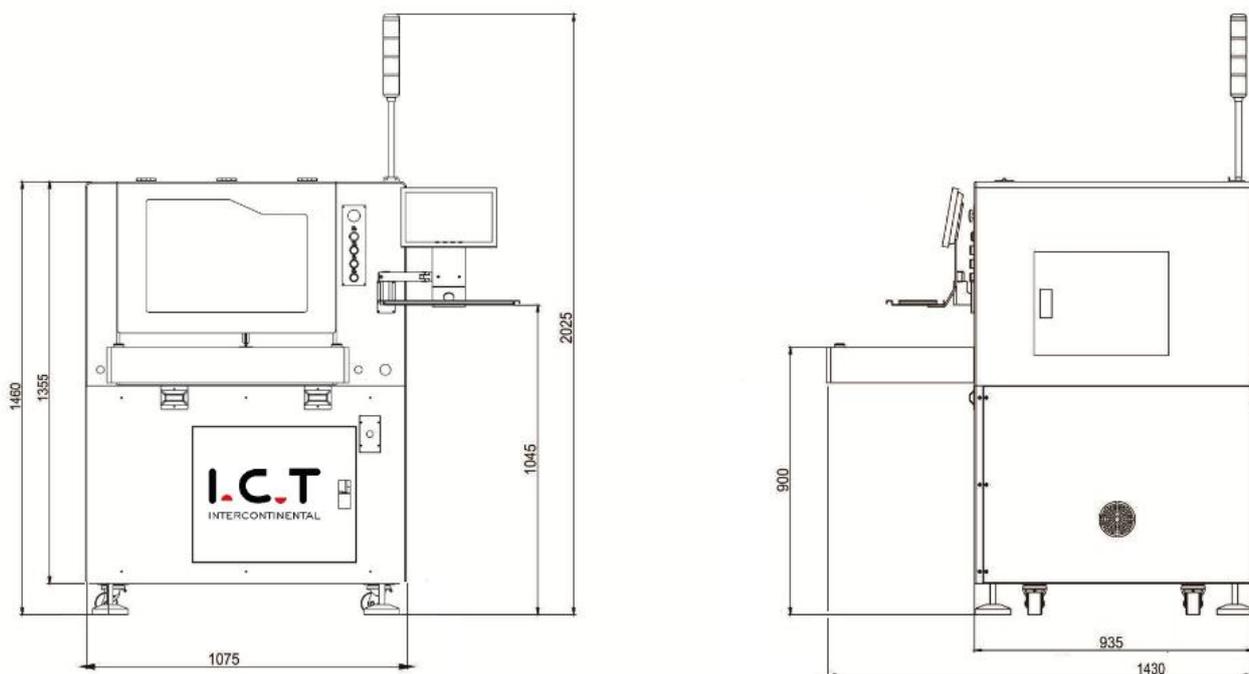
Parts	Brand	Place of origin
X-axis servomotor	Panasonic	Japan
Y-axis servomotor	Panasonic	Japan
Z-axis servomotor	Panasonic	Japan
Main-axis/spindle	NSK	Japan
CCD	MINTRON	Taiwan
I/O Board	I.C.T	China
Guide rail	PMI/HIWIN	Taiwan
Ball screw	PMI	Taiwan
Coupling	NBK	Japan
Sensor	Takex	Japan
Tank Chain	IGUS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

Specification:

PCB Router	I.C.T-5700M	I.C.T-5700L	I.C.T-5700LL
PCB Size	290*350mm	350*450mm	450*500mm
Platform Number	Double	Double	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		
Platform Drive	Cylinder(motor is option)		
Cut Precision	±0.05mm		
Rotational Speed of the Main Shaft	Max. 60000rpm		
Voltage	220V, 50/60HZ		
Air Pressure Supply	4.5kg/cm ²		
Power Supply	1.5KW		
Weight (with vacuum cleaner)	1000KG		
Dimension	1075*1430*1460mm	1125*1530*1460mm	1225*1530*1460mm
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, 3KW		

Dimensions:



* 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.