

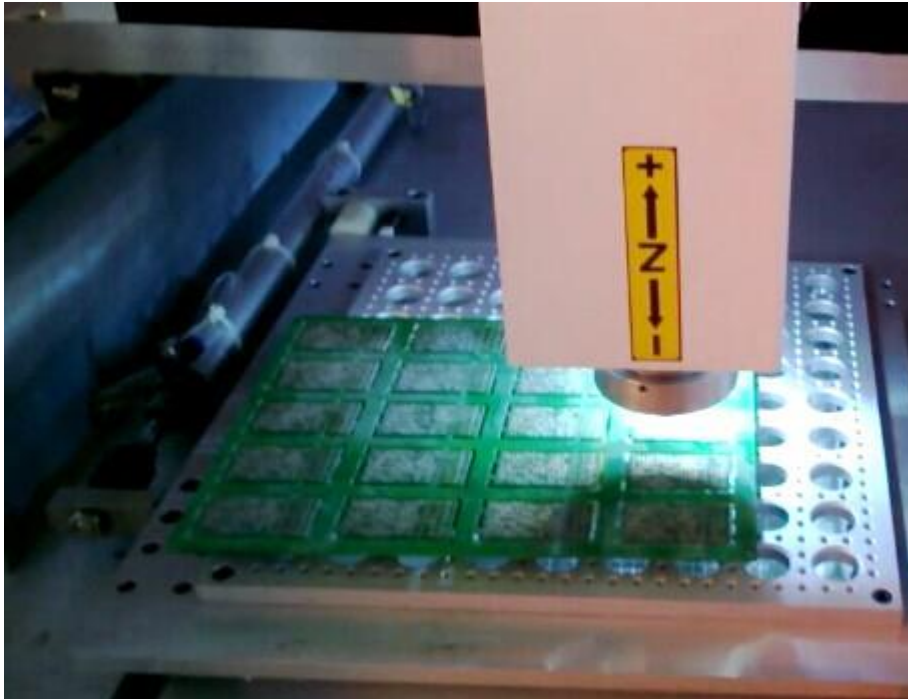
PCB Router



PCB Router Machine CW-F01-A Features:

1. Smooth cutting finish only by router cutting .
2. There is little distortion on PCB during cutting because using high-frequency spindle motor . It is 1 / 10 of pressing , 1 / 100 of breaking by hand .
3. One-touch program changeover .
4. Able to cut liner and arc with router machine , diminish the restriction on PCB design .
5. Read QR code or JIG BIT auto select cutting program , or check accordance between cutting program and JIG .
6. Powerful Dust Collection minimized dust adhesion on PCB .
7. Developed high performance router bit that expanded bit life and relief littering .

8. Cut down PCB cost because need not making V-groove on PCB



PCB Router Machine, CW-F01-A Specification:

I. Hardware	
System models / types	Windows XP Professional
Overall	
FootPrint (LxWxH)	800mm*850mm*1700mm
Weight (Approximate)	150KG
Adjustable machine footings (for height)	60~110mm
Manipulator	
Manipulator Motor	Panasonic MINAS A5 series
Manipulator Repeatability	0.001mm
Axis configuration	
Maximum Axis Travel (X,Y,Z)	400mm*650mm*50mm
Work station	
Board Positioning	Fixture positioning, thimble universal positioning, vision correction
Loading/Unloading	manual
Routing Range	320mm*320mm
Panel Thickness	3mm
Fixturing	
Rigid Fixturing	Universal thimble & anti-static fixture
Top Clamp	Using hole positioning
Spindle Motor	
Power	100W
Max. speed	60000rpm/min

Cooling	Natural cooling and air-cooled
Router bit size	3mm*3mm
Tool change	Use Special wrench
Routing capability	
Max routing speed	100mm/s
Repeatability	0.02mm
Vacuum System	
Power	0.75KW220V Single-phase motor
Filtration	Vertical and horizontal
Utilities	
Power	1.5KW AC220V
Air supply	4~5KG/cm2
II. Software and Programming	
System platform	Windows XP Professional (Service3,v.3244)
System Stability	24 hours without exception
Vision system	Precision CCD vision alignment correction system (SONY 250 series)
Programming	
On-line	Online Programming
Editing function	Straight, diagonal, circular arc, circle
No. of Programs that can be installed	select a storage location according to client's requirement
Configure CCD Camera for programming	Fangchen F130 High Precision CCD
Toolbit Diameter Compensation	Provide different angles to compensate for the user to choose different shapes
Filter Change Interval (distance) setting	automatic cleaning filter and dust to dust collection box when processing is completed centralized each time
Operation Monitors	
3-color Tower Light	3-color light monitor the machine's working conditions
Tool Break Detection	Automatic detection of tool life & using time
Motor Overheat Detection	overheating, overload, low voltage protection function
Servo Overload Detection	Overload, the line is normal, low-voltage protection function
Tool Life Tracking	tool life time detection
PCB Board Counter	cutting item, cutting counting, diversified way of counting.
Vacuum Filter Change Alarm	not use to vacuum filter
Machine Error History	The software automatically records all alarms memory
III. Accuracy	
Axis positioning accuracy	0.01mm
Routing Accuracy	0.02mm
IV. Safety	
Enclosed Work Area	Using four seal protection
Door Interlock Sensors	micro-switch sensor
Emergency Stop Button	Yes