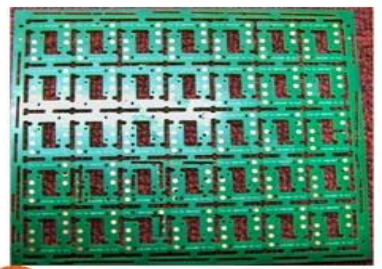


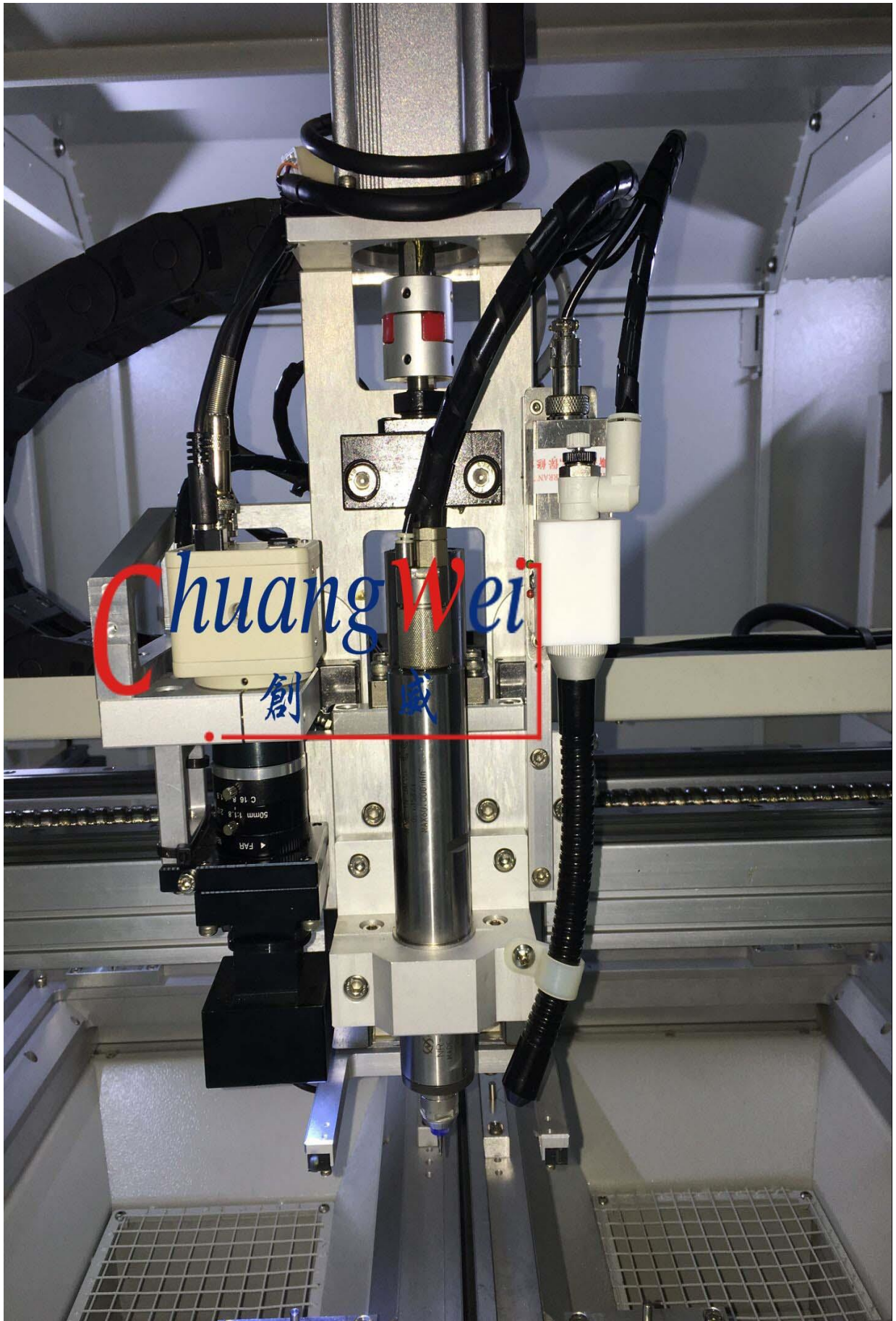
# PCB Router

ChuangWei  
創威



Model: CW-F01-S





### 1. Feature:

- 1.X10 zoom-in image makes programming easier&increase the accuracy of point setting.
- 2.Two sliding table provides simultaneously in-and-out movement to reduce the tack time for better productivity.
- 3.AUTO MARK offset system.CCD image could check&simulate the path or routing to reduce unnecessary mistake before cutting.
4. Has routing bit life time checking and alarm system to remind operator to change routing bits when it finish 120M cutting. And routing bit first 2mm cut the first miling point, middle 2mm cut the second milling point, the last 2mm cut the third milling point to increase its life time.
5. CCD image could check&simulate the path or routing to reduce unnecessary mistake before cutting

### 2. Advantages:

1. Using double slide into place device, reduce the cutting waiting times, increase production capacity.
2. Avoid artificial flap caused by the cracking of tin and part damage and other issues.
3. Avoid using blunt or fold, produced by mechanical stress.
4. Suitable for the finished plate arc and line cutting.
5. Suitable for small pieces of the final cutting, base plate of a mobile phone, PDA, PC interface card and so on.

### 3. Parts List

<b>I. Hardware</b>	
SPINDLE	KAVO spindle
CCD	Sony 520 line industrial cameras
LENS	Computar EX2C
Screw	TBI Precision ground ball screw imports
Guide	HIWIN widening Imported linear guide rail
MOTOR	JiaBao LCF Series
I/O CONTRONL CARD	HFC PCI-9074
DRIVER CONTRONL CARD	HFC PCI-9074
I/O CARD	PCI-9074-64pcs/-38pcs
Static cleanup	STATIC-ST401A Series
Computer	(RMC-8401/6113LP4/300ATX/8651VNA/P4 2.8G 2CPU(S)/1G DDR/80G)

Machine interface	AOC LCD17",Logitech mouse
<b>2. software</b>	
Control system	Windows XP Professional (Service3,v.3244)
Operation GUI	English Windows XP
Program edit	Inline
Vision system	CCD AOTU offset
Control system	F 1.2.88 version

#### 4. Parameters

<b>Overall</b>	
Dimensions(W*D*H)	1370mm*1650mm*1450mm
Weight	650KG
Height offset	60~110mm
<b>Manipulator</b>	
Motor type	JiaBao series
Positioning repeatability	0.001mm
Axis working area(max)	830mm*580mm*50mm
<b>Work station</b>	
PCB fixation	standard,specialization
PCB loading/unloading	manual
PCB size (max)	320*320mm
PCB thick (max)	5mm
<b>Fixturing</b>	
Rigidity fixturing	Use client fixture
Fixturing fixation	machinery
<b>Spindle Motor</b>	
<b>Power</b>	150W
Spindle	60000rpm/min
Protect	self/wind cooling
Change cutter	Specialization
<b>Routing capability</b>	
Cutting speed(max.)	80mm/s
Driving speed(max.)	2500mm/s
Precision of cutting	0.01mm
<b>Vacuum System</b>	
Vacuum power	3.5KW AC 380V
Vacuum	plumb
<b>Utilities</b>	
Power	2.0KW AC380V
Air supply	4-6KG/cm2
<b>Programming</b>	
Program edit	Inline
Function edit	Line,arc,circula,U-curve
Program storage	HDD
Vision system	SONE colour CCD
milling cutter offset	AUTO

Vacuum setup	AUTO
<b>Operation Monitors</b>	
Indicator	Indicator Machine state
tool check	Automatic detection tool life, the use of time testing
Motor protect	Have overheating, overload, low voltage protection function
motor over loading check	Have Overload, the line is normal, low voltage protection function
Tool usable time	Automatic detection tool life,
Data statistic	Separate board model, separating count, diverse counting methods
Error record	Software automatically records all alarms memory of machines
<b>III. Accuracy</b>	
Axis precision	0.001mm
Cutting precision	0.1mm
<b>IV. Safety</b>	
Working area protect	With four sealed protection
Door sensor	Front and rear safety door micro-switch sensor (optional)
Exigency stop button	

5. Detailed Photo:

