

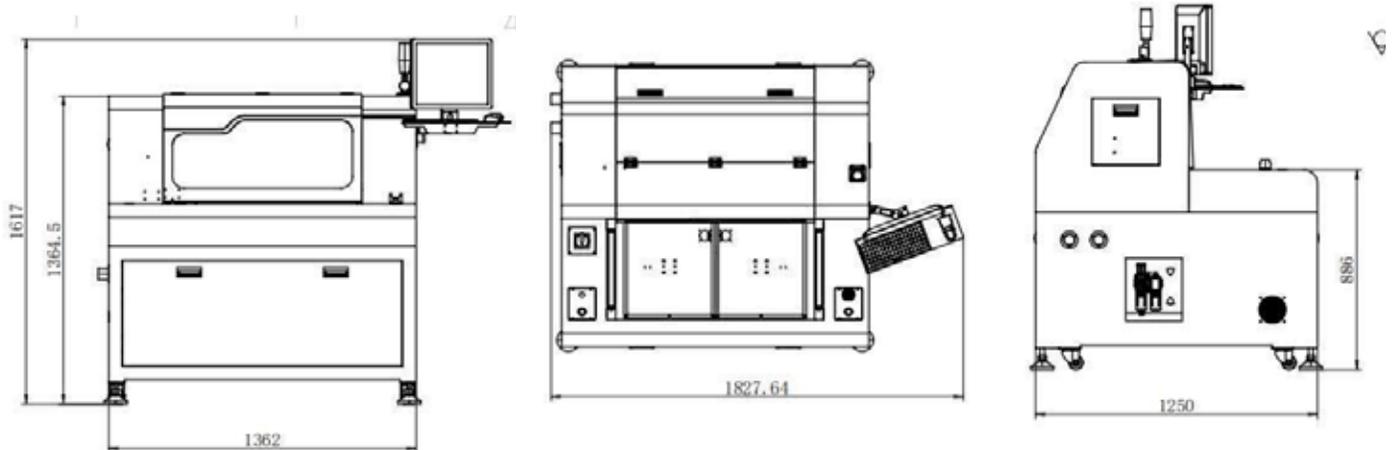
DOUBLE STATION V-CUT & TABS COMBINED PCB ROUTER AR-450C



- Applicable PCB type : V-cut board and Tabs board
- X/Y1,Y2 adopt linear motor
- External lower noise vacuum cleaner
- High quality routing spindle
- Industrial PC and windows based English operation system
- Fiducial mark positioning ,automatically correct coordinate offset.
- Double working table ,Max PCB size: 400*450mm *2pcs
- Overall Size: L1362mm×W1250mm×H1260mm

AR-450C PCB Separator X/Y axis adopt linear motor driving system and high quality routing spindle which can ensure <math><0.05\text{mm}</math> routing accuracy , routing speed can reach 50mm/s. and machine is equipped high resolution CCD which can automatically position fiducial mark and correct coordinate offset .windows operation system and self developed software make programming very easy , 2 work stations design greatly improve production efficiency.

External silence vacuum cleaner can provide a clean work environment .The machine has two -axes, one is a round cutter installed to cut v-cut slots, the other is a Milling cutter installed to cut Tabs board. Can achieve a variety of USES, cutting PCB board more extensive range



Specifications

MODEL	AR-450C
Work station	2 work station
Applicable PCB type	V-cut board and Tabs board
PCB Size(Max.)	400×450mm* 2pcs
PCB Material	For V-cut board & Tabs board : FR4,glass fiber
PCB Thickness	For Tabs board : Thickness 0.4-3.5mm
	For V-cut slot thickness :max 2.0mm
Max component height	Bottom side :50mm /top side :15mm
Cutting Speed(Max)	Max 50mm/s
Moving speed	Max 50mm/s
Control method	line, circle, arc, U,L
Repeat Accuracy	±0.05 (mm)
Routing Accuracy	±0.05 (mm)
Drive system	X/Y1/Y2 with linear motor , Z axis with servo motor
Vacuum cleaner Power	3PH AC 380V 50HZ/2.2 KW (External on the Router)
Routing Spindle	42000rpm/min,, Self cooling
Milling Cutter	Ø 0.8,-Ø 3.0
Tool life control	Software program control
Programming method	Direct teach programming method
Machine Total Power Supply	3 phase AC 380V 50HZ/ 4.5 KW
Machine size	L1362mm×W1250mm×H1260mm
Vacuum cleaner size	L805mm*W920mm*H1950mm
Machine Weight	700 KG
Vacuum cleaner weight	150 KG

Double station V-Cut & Tabs Combined PCB Router AR-450C Features

1.AR-450C PCB Separator x,y1,y2 adopt linear motor and driving system ,ensure machine run smooth and precisely.moving accuracy less than 0.05mm, routing accuracy less than 0.05mm.The machine has two z-axes, one is a round cutter installed to cut v-cut slots, the other is a Milling cutter installed to cut tabs. Can achieve a variety of USES, cutting PCB board more extensive range.

2. Double work station design makes continuous running ,greatly improve production efficiency.
3. Machine is equipped with high resolution CCD ,use direct teach programming method with cross cursor of CCD, very easy to operate , software can excute point , line, arc ,circle etc command to cut different shape of panelled board ,it has mark positioning function ,can automatically correct the coordinate offset when PCB position changed .Also the CCD has the function of scanning bar code and QR code, which can scan the bar code and QR code information on the PCB board directly, and then call the preprogrammed program on the machine to cut the PCB board directly.
4. Industrial PC ,Windows system and full english self developed software makes programming and operating very easy.
5. Euipped with quality ,self cooling long service life routing spindle.
6. External silence vaccum cleaner provide a clean and low noise work environment.
7. Milling cut can be used as 2 or 3 section , just set the parameter on sofeware, it has greatly prolonged milling cut' service life.
8. Option MES system,The machine can be docked with the factory's MES system.it can read and upload production logs.
9. The machine is equipped with the broken knife detection function. When the Router bit is broken, the machine will stop, and the software interface will alarm.

Details

X,Y1,Y2 adopt linear motor ,Z1,Z2 axis adopt servo motor and it's driving system, make movement smoothly and precisely.



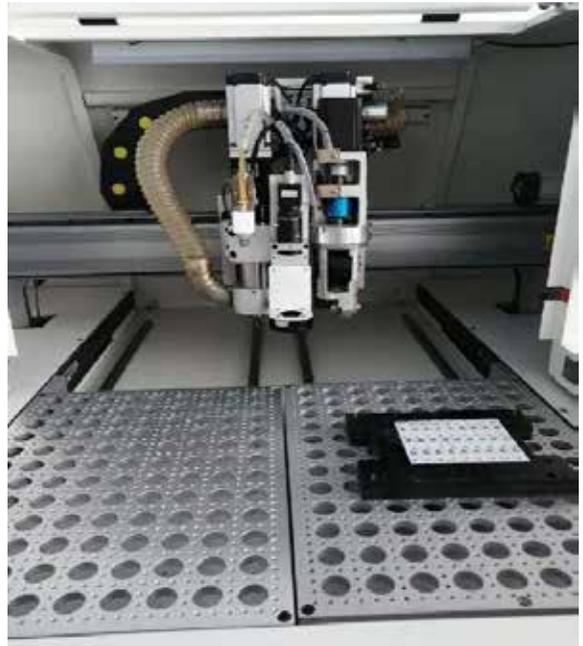
Equipped with High resolution CCD makes programming very easy. It has mark positioning function ,can automatically correct the coordinate offset.The machine can be docked with the factory's MES system (Option).it can read and upload production logs.



High quality self cooling long service life routing spindle



ø 0.8-ø 3.0 mm milling cutter

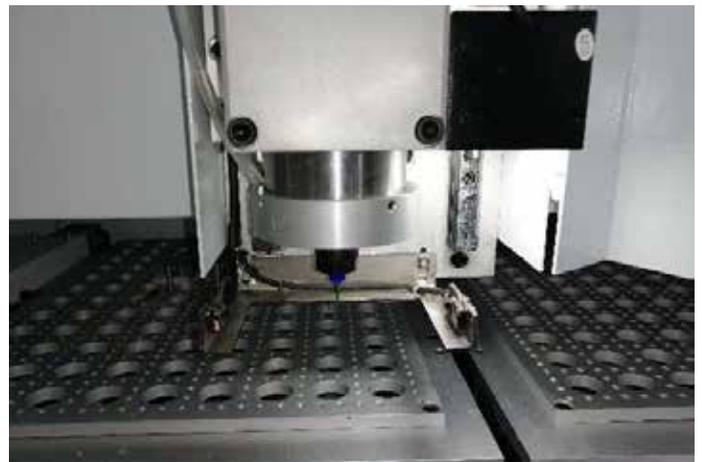


Double working table design, positioning more accurately than cylinder driving mechanism, improve production efficiency.

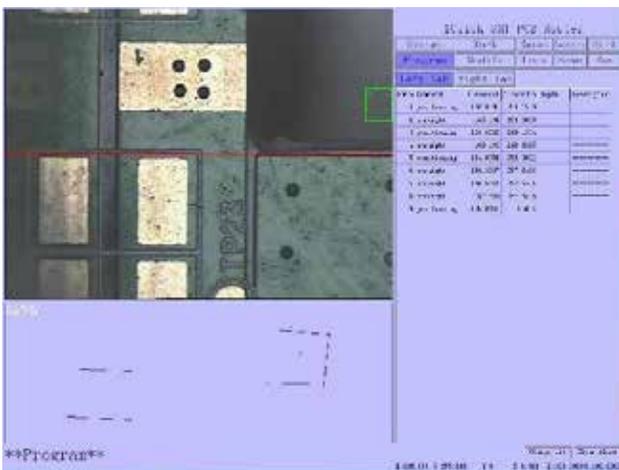


The machine has two z-axes, one is a round cutter installed to cut v-cut slots, the other is a Milling cutter installed to cut stamp holes. Can achieve a variety of USES, cutting PCB board more extensive range.

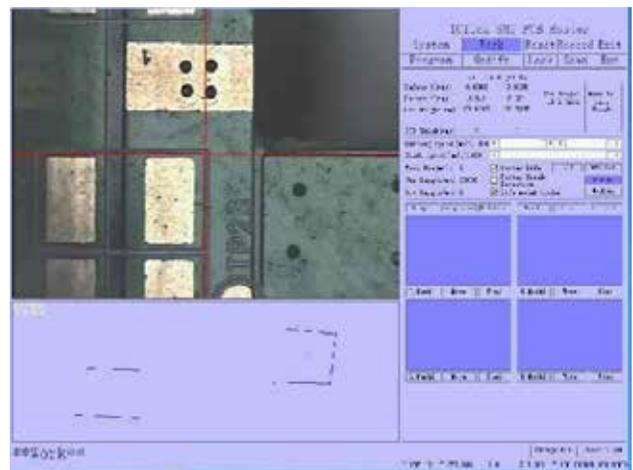
The machine is equipped with the broken milling cutter detection function on the spindle. When the milling cutter is broken, the machine will stop, and the software interface will alarm.



400W high-power spindle, which can cut AI board below 2.0mm thickness (machine needs to use custom-cut aluminum board milling cutter).Upper cutting system.The utility model relates to an anastatic brush type bottom dust collecting device.which has perfect dust collecting effect.



The machine is equipped with the broken milling cutter detection function on the spindle. When the milling cutter is broken, the machine will stop, and the software interface will alarm.



Milling cut can be used as 2 or 3 section, just set the parameter on software , it has greatly prolonged milling cut' service life.

Configuration

Standard configuration

- Double station V-Cut & Tabs Combined PCB Router AR-450C
- Industrial PC ,monitor, Keyboard,mouse .
- 6 aix driving system .
- External Vaccum cleaner
- Milling cutter 10pcs
- Round blade*2pcs
- Servo motor driven mechanism .
- CCD
- Routing spindle
- safety light curtain
- 1 year parts warranty

Optional Configuration

- Customized fixture
- Milling cutter
- Round blade
- Belt for Z2 axis (driver the round balde)
- MES system docking