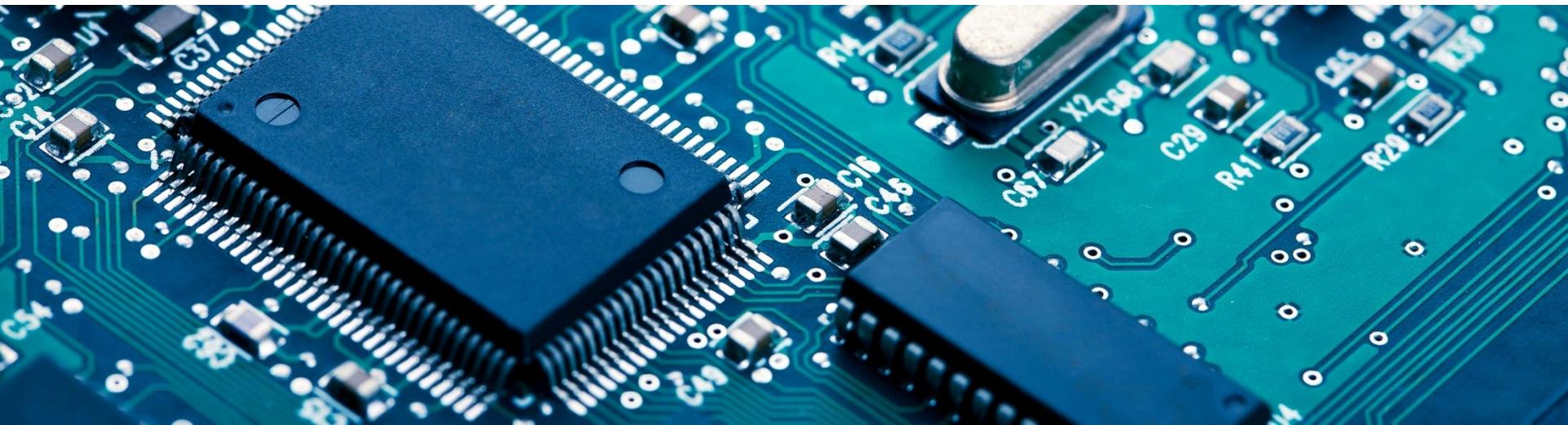




Cost effective production equipment

AUTOMATIC PCB ROUTER AR2530/2540/800

Single or Double Station Systems for PCB's
up to 500 x 800mm



AR-Series PCB Routers / Main Features

The AR Series of PCB routers are available in three models. All Models adopt high precision all servo driving system and high quality routing spindle which can ensure <0.05mm routing accuracy , x,y,z moving speed can reach 500mm/s , routing speed can reach 100m/sec.

- X,Y,Z Servo motor and driver system
- High precision Lead screw and linear guide rail
- Windows operated Software for easy programming and operation
- Built in Vacuum cleaner
- High quality routing spindle
- High Resolution CCD Vision System for automatic Fiducial recognition and correction
- High Quality Routing Spindle
- PCB size up to 310 x 450mm



AR-Series Routers / Overview Specifications

Model	AR-800	AR2530D/A2530M/2540D
Work station	1 work station	2 work stations
Machine travel	500×800mm	AR2530D: 250 x 300mm (x 2 PCB's) AR2530M: 500 x 400mm (x 2 PCB's) AR 2540D: 250 x 400mm (x 2PCB's)
PCB Thickness	0.4-2.0mm	0.4-2.0mm
PCB Material(Resin)	FR4,CEM1,CEM3,etc.	FR4,CEM1,CEM3,etc.
Milling Speed(Max.)	100mm/s	100mm/s
Moving speed	Max 500mm/s	Max 500mm/s
Control method	line, circle, arc, interpolate algorithm	line, circle, arc, interpolate algorithm
Repeat Accuracy	±0.05 (mm)	±0.02 (mm)
Routing Accuracy	±0.05 (mm)	±0.05 (mm)
Drive system	X/Y/Z Three axis servo motor control	X/Y/Z Three axis servo motor control
Vacuum cleaner Power	2.2 KW	2.2 KW
Routing Spindle	50'000rpm/min	50'000rpm/min
Milling Cutter	Ø0.8,-Ø3.0	Ø0.8,-Ø3.0
Tool life control	Software program control	Software program control
Power Supply	1 phase AC 220V 3.5 KW	1 phase AC 220V 3.5 KW
Machine size(mm)	1820mm×1540mm×1508mm(L*W*H)	1380mm×1180mm×1350mm(L*W*H) 1820mm X 1540mm X 1508mm (AR2530M)
Weight	1000 KG	800 KG / AR2530M 1'000 kg

AR-Series Routers / Details

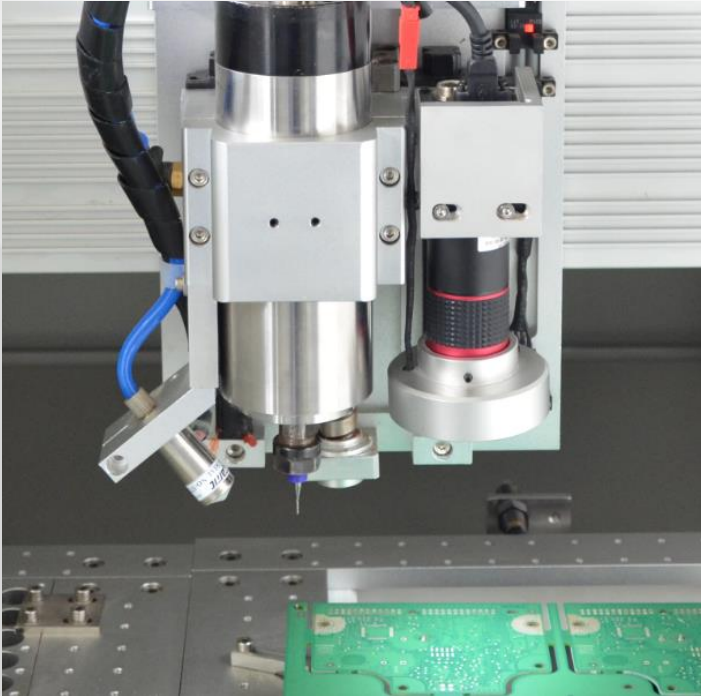


Quality, air cooling routing
spindle for a long life time



Ø 0.8 - Ø 3.0 mm
milling cutters
available

AR-Seriouse / Cleaning Details



Equipped with anti static ionizing air gun which keep cutter clean when operating

Built in 2.2KW vaccum cleaner (Max flow rate 820m³ / HR 2900rpm / min) providing a clean and low noisy work enviroment

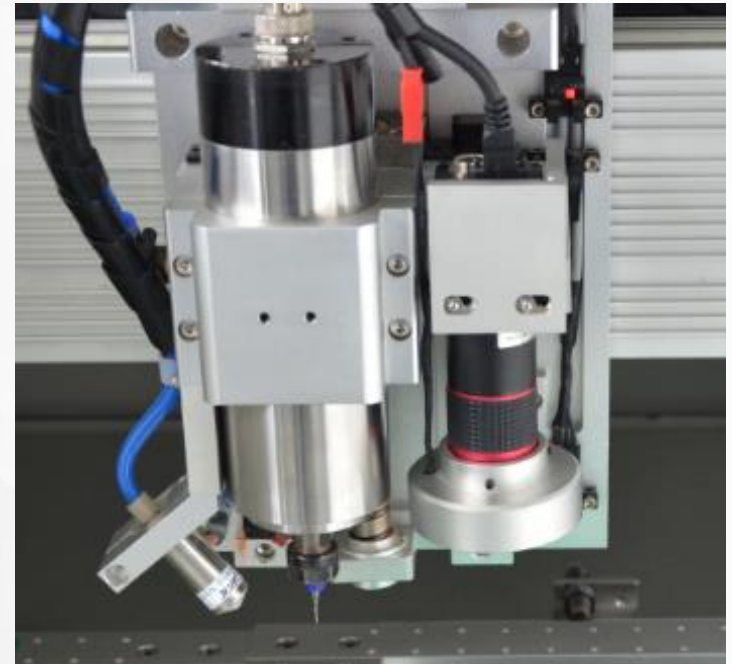


AR-Series Control System



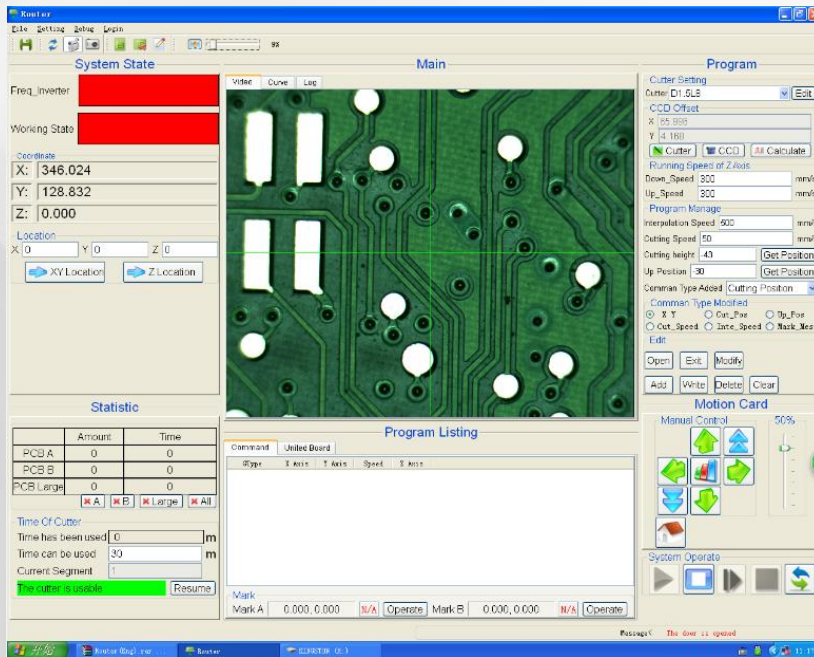
Industrial PC ,
Monitor, English
Windows operation
system.

Equipped with High resolution CCD for fast
and easy programming and fully automatic
fiducial mark recognition for automatic
alignment of routing program.

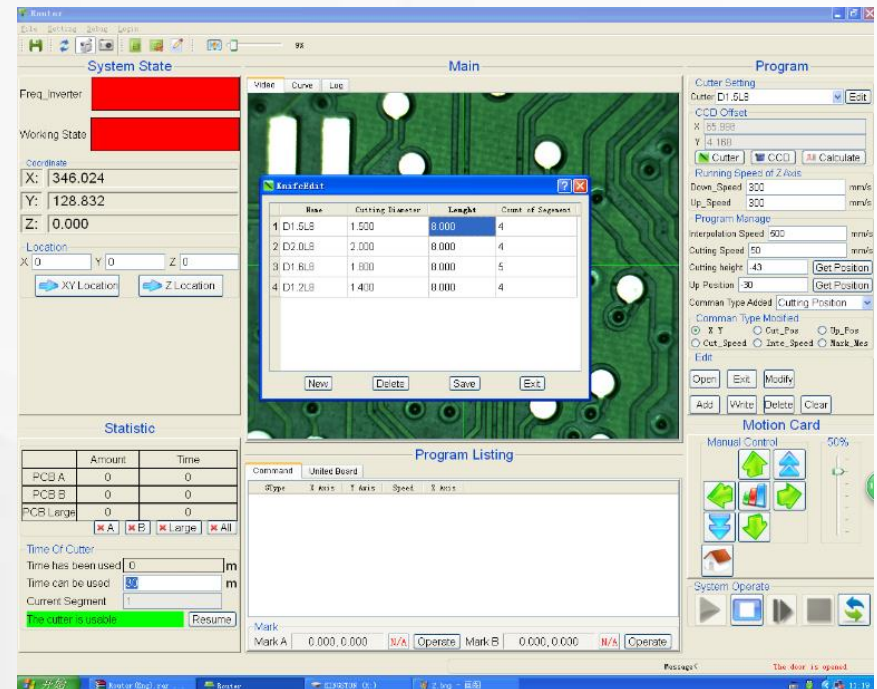


AR-Series Programming and Operating Software

In-House developed software for easy and fast programming and operation



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



AR Series Machine Delivery

- AR Series PC Router includes:
 - Base machine
 - Industrial PC, Monitor, Keyboard, Mouse
 - Operation Software
 - Fiducial Recognition Vision System
 - 3 Axis Servo Drive System
 - Vacuum cleaner
 - Routing Spindle
 - Milling cutters 10pcs
 - 1 year Warranty

- Options:
 - Customized fixtures
 - Spare Parts packages
 - Milling Cutters



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Get your PCB ROUTER with low monthly rates and the full flexibility to react to changing production demands.

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 - Keep your production flexible and be ready whatever technology or demand is next
 - Always the right speed, the right feeder slots, the right processes
 - Full control and transparency of all your equipment costs
 - Optimized financial figures and cash flow
-
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2
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WHEN YOU CAN LEASE
BETTER FOR LESS?



About Lavortec



- Lavortec is a **Company based in Switzerland** being in the business of electronic manufacturing equipment for **over 11 years**
- Our team in Shenzhen/China carefully **selects and qualifies proven** suppliers with a **large installed base** in Asia and a **good reputation** from world wide known users.
- **Process evaluation Center** to test and set up the process for your specific product
- **Product Adaptation** for European requirements can be effected
- All products are **CE tested and certified** by our own team
- All products have to pass a **Quality Check** before they are shipped to Europe
- A **European network** of sales and after sales partner guarantee you **local support**
- In our Hub in Switzerland we arrange **all payments in full safety** as well as taking care of the **import administrations** and the **transport arrangements**



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