

Inline PCB Router



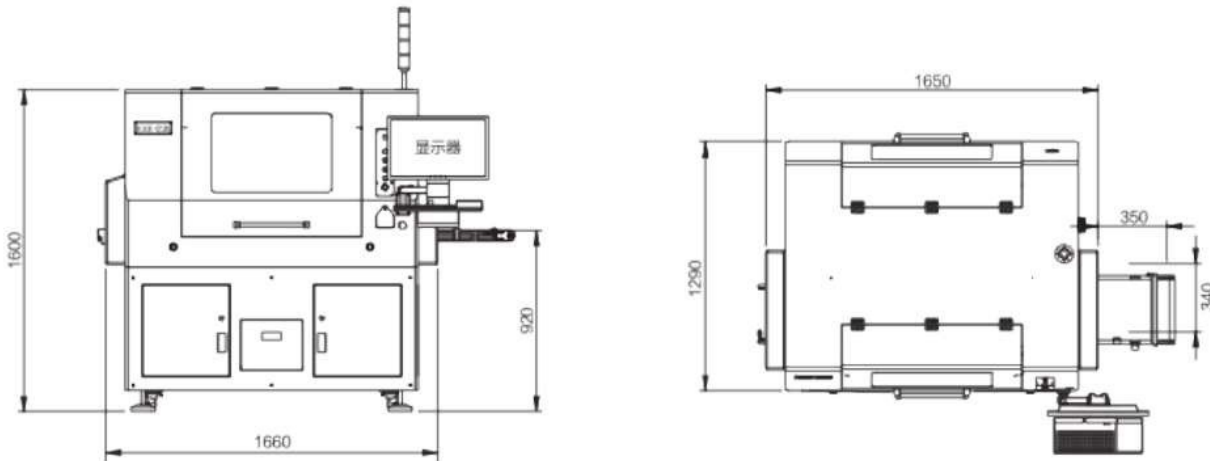
Features:

- In-line milling cutter separator, automatic board loading, automatic cutting, automatic board unloading, can greatly improve production efficiency and save labor cost.
- The system equipped CCD visual alignment system to improve cutting accuracy and efficiency and prevent misoperation.
- X-axis and Y-axis use high precision dust-proof modules to ensure strong cutting stability and high precision.
- The standard laser displacement device imported from Japan detects whether the PCBA is flat.
- Automatic reclaiming adopts vacuum suction cup pick and place transplanting.
- The independent CNC special motion controller is used to integrate the control part, with strong loop control stability, high precision, fast response, and transmission, and strong anti-interference.
- The equipment operation adopts Chinese/English interface conversion, and the software design is more user-friendly, which is easy for engineers to operate.
- It has the functions of straight line, arc and irregular edge cutting, and realize the function of broken knife detection and sliding knife detection.

- The automatic tool change high speed spindle(max: 8000rpm) imported from Germany Sycotec is adopted, which has low cutting stress, high accuracy, increased cutting efficiency, and automatic tool change to achieve full automation.

产品尺寸

Product Size



Specifications:

Model	880AT
Cutting Parameters	
Cutting precision	±0.05mm
Repeat precision	±0.02mm
Max. moving speed	X,Y:1000mm/s, Z: 800mm/s
Cutting speed	0-100mm/s
PCB size	350*300mm(other size can custom)
PCB thickness	0.3-6mm
Size of cutter	0.8-3mm
Control Parameters	
XYZ control mode	CNC motion controller
Cutting spindle	Germany SycoTec 4033 AC-ESD Max. 80000rpm
Vacuuming way	Updraft/Downdraft (free option)

Type of cutter	Right-handed rotation milling cutter for up dust collect type. Left-handed rotation milling cutter for down dust collect type.
PCB support way	Custom fixture
XYZ drive way	AC servo
Image	
Mark all types	The standard shape
	Circular
	Square
Function	
Cutting function	Straight lines, Semicircles, Circular Arc
	Free menu copy from L to R, and R to L.
	Rotate copy
	Matrix copy
	Automatic compensation
Equipment	
Power	AC220V \pm 10%, 50/60Hz, 4Kw
Air supply	4-6kgs/cm ²
Working temperature	-20°C-45°C
Working humidity	30-60%
Machine size	1660*1290*1600mm
Weight	970kgs

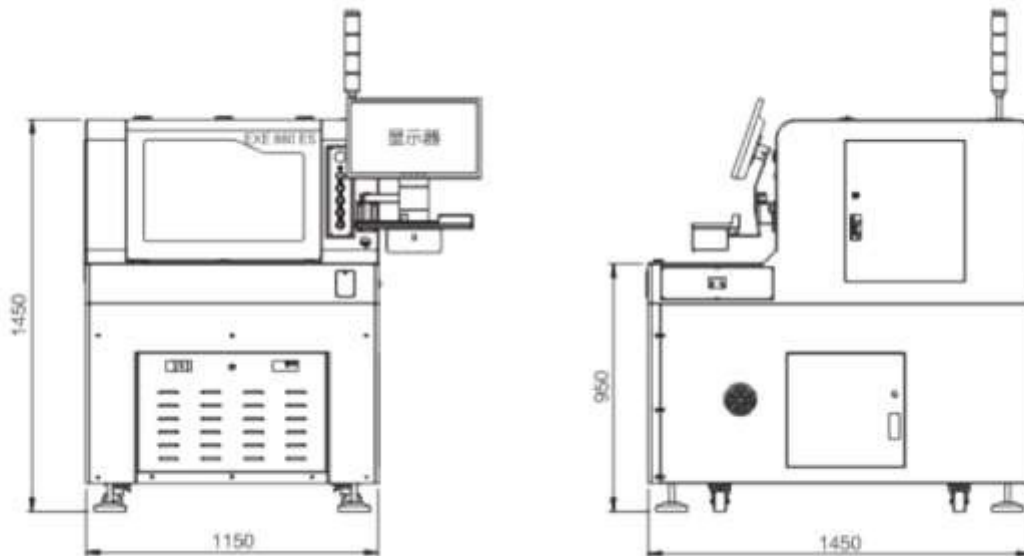
Offline 3-axis PCB Router



Features:

- The working table is a marble double worktable, which has strong machine stability and higher plate separation efficiency, (it can be combined with double work surface to form a large single work surface).
- The double table can hold double fixtures and cut two different products at same time.
- Two movement mode is to move in the main X-axis and Y-axis directions, and the processing table is fixed.
- The plate cutting mechanism system uses an X-Y-Z 3-axis AC servo robotic arm, with stable performance.
- The independent CNC special motion controller is used to integrate the control part, with strong loop control stability, high precision, fast response and transmission, and strong anti-interference.
- The equipment operation adopts Chinese/English interface conversion, and the software design is more user-friendly, which is easy for engineers to operate.

- It has the function of straight line, arc and irregular edge cutting, and realizes the function of broken knife detection.
- Equipped with an universal fixture to locate the PIN, it is compatible with other brands of tooling fixtures to reduce follow-up costs.
- Adopt high-speed spindle imported from Japan(Max: 60,000RPM), with low cutting stress, high precision, and increased cutting efficiency.



Specifications:

Model	880
Cutting Parameters	
Cutting precision	±0.05mm
Repeat precision	±0.02mm
Max. moving speed	X,Y:1000mm/s, Z: 800mm/s
Cutting speed	0-100mm/s
PCB size	ES model: 300*350mm
	EW model: 350*450mm
	EX model: 450*500mm
PCB thickness	0.3-6mm
Size of cutter	0.8-3mm

Control Parameters	
XYZ control mode	CNC motion controller
Cutting spindle	Japan NSK Max. 60000rpm
Vacuuming way	Updraft/Downdraft (free option)
Type of cutter	Right-handed rotation milling cutter for up dust collect type. Left-handed rotation milling cutter for down dust collect type.
Lonizing air gun	Ion equilibrium pressure≤earth 15V complies with ESD 12M09158A58
PCB support way	Multi support, special fixture
XYZ drive way	AC servo
Image	
Mark all types	The standard shape
	Circular
	Square
Function	
Cutting function	Straight lines, Semicircles, Circular Arc
	Free menu copy from L to R, and R to L.
	Rotate copy
	Matrix copy
	Automatic compensation
Equipment	
Power	AC220V±10%, 50/60Hz, 4Kw
Air supply	4-6kgs/cm ²
Working temperature	-20℃-45℃

Working humidity	30-60%
Machine size	ES model: 1200*1450*1450mm
	EW model: 1342*1640*1516mm
	EX model: 1455*1638*1468mm
Weight	ES model: 860kgs
	EW model: 890kgs
	EX model: 1070kgs

Offline 4-axis PCB Router



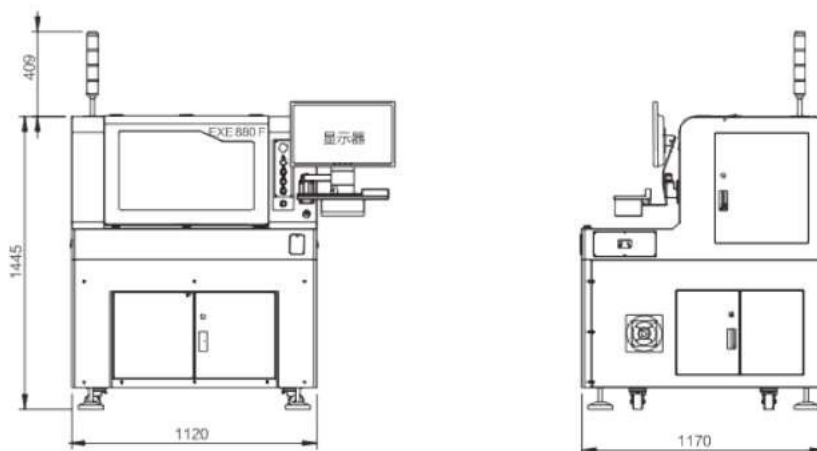
Features:

- Dual marble worktable with high precision, strong stability and higher efficiency of plate splitting (it can be combined into a large single worktable)
- Dual fixtures can be put on dual worktable, can cut two different products at same time.

- Dual Y-axis worktable, the left and right worktables are driven by servo motors and screw guide rails, which have fast processing speed, high production efficiency, strong stability, and greatly improve processing.
- The independent CNC special motion controller is used to integrate the control part, with strong loop control stability, high precision, fast response, and transmission, and strong anti-interference.
- The equipment operation adopts Chinese/English interface conversion, and the software design is more user-friendly, which is easy for engineers to operate.
- It has the functions of straight line, arc and irregular edge cutting, and realize the function of broken knife detection and sliding knife detection.
- Equipped with an universal fixture to locate the PIN, it is compatible with other brands of tooling fixtures to reduce follow-up costs.
- Adopt high-speed spindle imported from Japan (max:60000RPM), with low cutting stress, high precision, and increased cutting efficiency.

产品尺寸

Product Size



Specifications:

Model	880F
Cutting Parameters	
Cutting precision	±0.05mm
Repeat precision	±0.02mm
Max. moving speed	X,Y,Z:1000mm/s, Z: 800mm/s
Cutting speed	0-100mm/s

PCB size	ES model: 300*350mm
	EW model: 350*450mm
	EX model: 450*500mm
PCB thickness	0.3-6mm
Size of cutter	0.8-3mm
Control Parameters	
XYZ control mode	CNC motion controller
Cutting spindle	Japan NSK Max. 60000rpm
Vacuuming way	Updraft/Downdraft (free option)
Type of cutter	Right-handed rotation milling cutter for up dust collect type. Left-handed rotation milling cutter for down dust collect type.
Ionizing air gun	Ion equilibrium pressure≤earth 15V complies with ESD 12M09158A58
PCB support way	Multi support, special fixture
XYZ drive way	AC servo
Image	
Mark all types	The standard shape
	Circular
	Square
Function	
Cutting function	Straight lines, Semicircles, Circular Arc
	Free menu copy from L to R, and R to L.
	Rotate copy
	Matrix copy

	Automatic compensation
Equipment	
Power	AC220V \pm 10%, 50/60Hz, 4Kw
Air supply	4-6kgs/cm ²
Working temperature	-20 $^{\circ}$ C-45 $^{\circ}$ C
Working humidity	30-60%
Machine size	ES model: 1200*1450*1450mm
	EW model: 1342*1640*1516mm
	EX model: 1455*1638*1468mm
Weight	ES model: 860kgs
	EW model: 890kgs
	EX model: 1070kgs