

# Martintrier

## Microcut 300



MicroCut 300 is an inline laser cutting equipment that uses non-contact cutting technology to effectively prevent deformation and stress during cutting. MicroCut 300 device can make better use of space, components can be placed closer to the edges of the board, and circuit boards can be made smaller and lighter.

### Feature

- **Non-stress cutting method**  
The laser stress-free cutting technology does not damage products with precision components and there is no deformation after cutting.
- **Precise Cutting**  
It can process circuit boards of any shape. Even with extremely small unit pitches.
- **Non-contact cutting technology**  
It can effectively prevent deformation and stress during cutting, which ensure the circuit boards are not damaged.
- **Clean processing technology**  
It can collect the dust generated during processing in all directions, ensuring that no dust or particles remain on the board.
- **Cutting of Any Shape**  
It is suitable not only for PCB bare boards but also for single-sided or double-sided circuit boards.
- **MES System**  
Support the collection of operational data, machine allocation, product traceability, delivery monitoring, etc.

### Technical Specifications

ITEMS	Microcut 300
Working mode	Inline
Software	Basic / Professional / Customized
Routing mode	Straight line, Curve, Arc
Vision	CCD Visual Positioning System
Laser class	Class IV
Laser Power	UV: 15W/20W/25W GN: 35W/50W Fiber: 1000W/1500W/2000W/3000W
Laser wavelength	355nm / 532nm / 1064nm
Cooling System	Water Cooling
Cutting accuracy	± 20 μm
Working table	Dual table
Working area	Max300*400mm
Applicable PCB &FPC thickness	< 1.5mm
PCB transmission height	900 ± 50 mm
Drive mode	Linear motor / servo motor drive
Operating system	Win 10
Power supply	220V, 50Hz, 1Ph
Maximum Power	4000W
Air supply source	0.6Mpa
Dimension ( mm )	2261W x 1648D x 1761H ( mm )
Weight	1655KG
Optional	MES

### Dimension diagram(mm)

