

Martin[®]

MT-3000

ON-LINE PCB SEPARATOR CUT MACHINE

MARTIN TRIER MT-3000 series is a humanized and intelligent on-line circuit board cutting machine, which is equipped with high-speed CCD vision correction device, and makes use of MARTIN OR algorithm to ensure the stable operation of the equipment at high speed and high precision. At the same time, the cleanliness of PCBA is greatly improved by using a clean dust-cleaning device. NSK high speed spindle, low cutting stress, smooth plate edge, high precision is especially suitable for customers with high command of high production capacity and high precision.

Feature

- **Solution for Low-Stress Depanelization**
High-speed router bit precisely cuts densely populated PCBs without stressing the board.
- **Fully closed AC linear motor to improve the speed**
- **A quick and easy method to learn and use**
- **Advanced Image -Processing Software Offers Point- and-Click Operation for Programming Router Paths.**
CCD camera captures an image of the PCB and easy programming of cutting paths is achieved by simple Point-and-Click Windows-based operation on the computer screen. Time is reduced and programming is simplified by this software.
- **Automatic Alignment Compensation by CCD Camera**
CCD camera reads fiducial marks on a PCB and compensates for variance on relative position of cutting paths.
- **Accessing order mode to realize automatic cutting**
- **Reading PCB or Fixture QR code to load the program**
- **Milling cutter intelligent mode**
Depth of milling tool depends on PCB thickness to increase tooling lifetime.
No program is required by changing milling tool.
- **Whole process monitoring on the operation error**
In the process of cutting, the marking point error of each plate is recorded in real time.
Real time error recording of moving axes.
The error value can be set according to the needs of the product.
- **Industrial 4.0--MES system**
Powerful software expansion function, through the MES system docking, improve the enterprise production management system.

Technical Specifications

ITEMS	MT-3000 Series
Working mode	On-line
Software version	Professional / Customized
Routing mode	Straight line, Curve, Arc
Vision	High resolution CCD Automatic alignment
Working table	Dual table
Repeatability	±0.02mm
Max thickness of PCB board	3.0mm
Milling tool Diameter	0.8-3.0mm
Spindle Speed	Max 100,000rpm
Motor drive mode	Fully closed AC linear motor
Axis number	7
Operating system	Window 7
Host power supply	220 VAC, 50Hz, 1Ph, Max 2200W
Dust power supply	380 VAC, 50Hz, 3Ph, Max 3600W
Vacuum blower	Upper or lower
Air supply source	0.5Mpa

Type Difference

Working Table	Model	Working Area	Dimension (mm)	Net Weight
Dual table	MT-3000-AS	300x300mm	1680W x 1298D x 1700H	1100KG
Dual table	MT-3000-AW	500x450mm	1902W x 1373D x 1700H	1400KG



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