



S300AS Desktop PCB Router Separator

Lightning-fast depaneling speed and micron-level edge precision: The superior cutting solution ensuring stable performance and neat edges.

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Component Overview

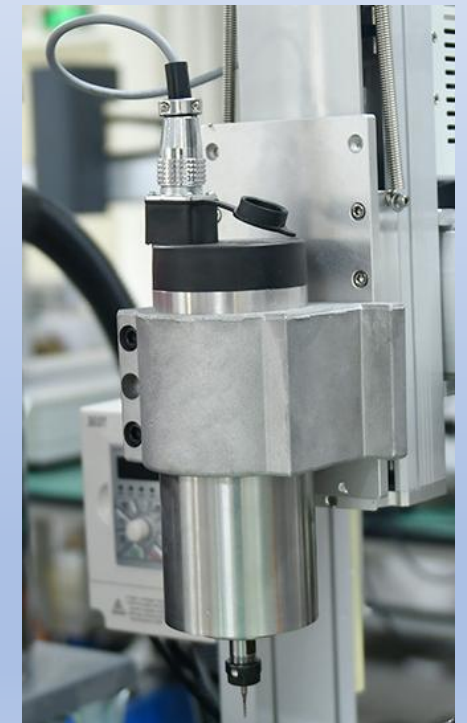


High-Power Dust collector



- ◆ Equipped with high-power imported fan motor
- ◆ Integrated 10kV high-voltage static elimination device
- ◆ Superior dust collection efficiency
- ◆ Reduced noise operation

High-Speed PCB Depaneling module



- ◆ Depaneling speed: Up to 100mm/s.
- ◆ Positioning speed: 500mm/s.
- ◆ Durable construction with protected lead screw design.
- ◆ Lead screw covered to prevent dust and debris ingress.
- ◆ Enhanced spindle lifespan and performance.

Functional Features



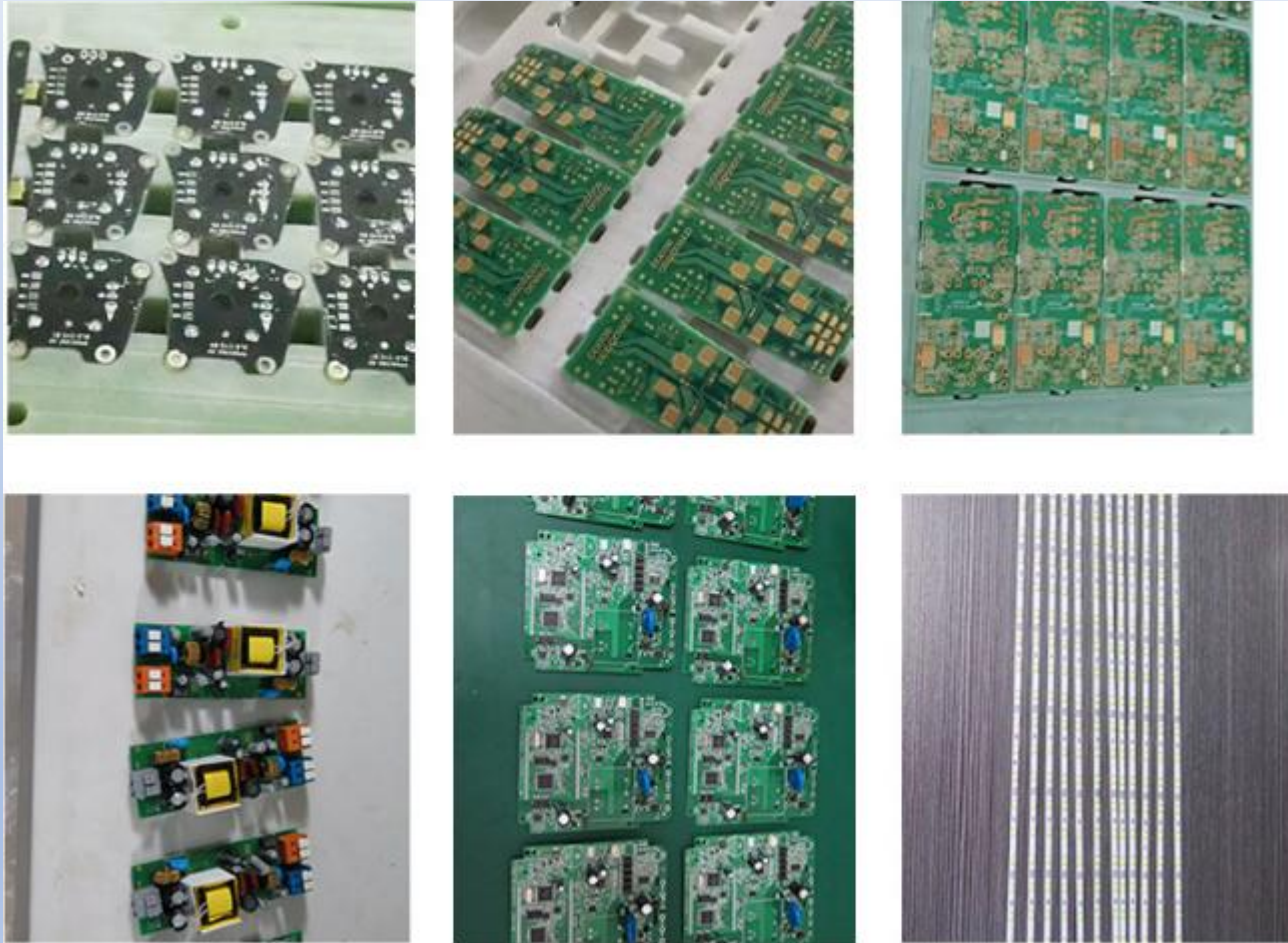
Teach Pendant

- ◆ The handheld controller features a 320×240 color screen and an all-English interface for easy operation.
- ◆ Supports various graphic elements, manual teaching, and graphic preview.
- ◆ Includes conditional jump, dual MARK alignment, and breakpoint execution.
- ◆ Allows batch editing, area copy, and flexible instruction management.
- ◆ Supports DXF/PLT file import and automatic path optimization.
- ◆ Stores hundreds of files, each with up to 8,000 instructions.
- ◆ Hardware supports 4 gun channels, multiple I/O, and 1ms timing accuracy.

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Segmentation Effect Display

Suitable for PCB depaneling of various electronic products, including switch boards, mobile phones, tablets, speakers, POS machines, navigation devices, toys, automotive electronics, and more.



Technical Specifications

Parameter Category	Technical Parameter
Model	RF-TF6441 Automatic Double-Station Environmentally Friendly Depaneling Machine
Cutting Range X/Y/Z (mm)	600/400/400/100
Programming Method	Teaching Programming or Graphic Import
Movable Graphic Trajectories	Point, Straight Line, Arc, Full Circle, Curve, Polyline, Spiral Line, Ellipse
Cutter Head	Precision Milling Cutter
Spindle	800W
Frequency	5 times/second
Maximum Load	10kg
Moving Speed (mm/sec)	0--500mm
Repeatability Accuracy, Cutting Accuracy	± 0.02 mm
Control Method	Microcontroller + Handheld Box
Number of Programs Recorded	1000 sets
Display Method	LCD Teaching Box
Motor System	Japan Shinano Motors
Driver	Yancode (研控)
Guide Rails	Taiwan Hiwin (上银)
Photoelectric Switch	Huayifeng (华怡丰)
Transmission Method	Synchronous Belt / Taiwan TBI Ball Screw
Fixture	Material is Bakelite (Targeted)
Environmental Shield	Sheet Metal Environmental Shield
Input Power	Full Voltage AC110V ~ 220V
External Control Interface	RS232
Dimensions	Length 135cm Width 80cm Height (top to bottom) 190cm

- **7x24 Worldwide Support**
- **Free Installation/ Training**
- **1 day lead-time (spare parts)**
- **1 Month customize solution**
- **1 Year free warranty service**



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