



Catálogo

Online PCB Cutting Machine AUI 4000/4000c



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Inheriting the excellent design of the AUO series, the high-efficiency dual automatic working platforms, coupled with the automatic feeding and discharging conveying system, the fully automatic online AUI cutting board equipment was born. AUI series has the characteristics of clean, precise, fast, and convenient operation, and the whole series is more suitable for various small to large PCB connectors. In addition, according to different production needs, Hetsub provides more flexible configuration PCB milling cutter sub-board solutions, such as spindle, dust removal system and other high-level optional solutions, to tailor the items you need and bring more benefits High cost-effectiveness. The AUI series is the most suitable for your production management needs, with a simple operation interface, cutting path simulation & optimization, and fool-proof operation process. One machine has production management, ease of use, safety, and traceability of production materials at the same time.

High efficiency

- A. High-horsepower industrial dust collector
- B. Upper dust collection/bottom dust collection system with minimal dust collection port
- C. Close to the processing department, dust can be removed immediately and effectively during processing

Precision

- A. KURODA high-precision screw
- B. Panasonic servo motor
- C. Sycotec spindle
- D. Advantech industrial computer
- E. Hetsubaki motion control card
- F. Hetsubaki vision system

Cpk 1.33

repeat positioning accuracy $\pm 5\mu\text{m}$

cutting accuracy $\pm 50\mu\text{m}$

Fast

- A. Equipped with a high-speed axis control module, the driving speed is the fastest (maximum) 1500 mm/sec
- B. The cutting speed is the fastest 100 mm per second
- C. Double worktables can maximize production and there is almost no idle time
- D. Customer Customized fixtures and tools to easily and quickly complete the line change operation

Yield improvement

Simple operation is the characteristic of our equipment, one machine has:

- A. Production management
- B. Ease of use
- C. Safety
- D. Production data traceability

working desk size	X: 430mm, Y: 450mm
Number of workbenches	2
Applicable PCB board thickness	0.8 ~ 3.0 mm
PCB part height (maximum)	Top: 15mm, Bottom: 35mm
Axial motion control	7-axis AC servo motor
drive speed	Rated: X, Y: 1,000 mm/sec, Z: 750 mm/sec, Conveying axis X: 700 mm/sec, Conveying axis Z: 750 mm/sec Max: X, Y: 1,200 mm/sec, Z: 750 mm /sec, conveying axis X: 700 mm/sec, conveying axis Z: 750 mm/sec
Cutting speed (range)	0 ~ 100mm/sec
Cutting accuracy	±80µm
Repeatability	±10µm
cutting mode	straight, L-shaped, U-shaped, curved, round
Standard Milling Cutter Specifications	Ø 1.0 mm, Ø 1.2 mm, Ø 1.6 mm, Ø 2.0 mm
computer operating system	Windows 10
Supply air pressure	0.5 / 0.6 MPa (5 / 6 Bar)
Working height (range)	890 ~ 940mm
Equipment size	(width) 2374 mm × (depth) 1334 mm × (height) 1720 mm + 561 mm warning lights
Machine net weight	about 840 kg
Dust collection system	5HP
cutting spindle	Sycotec High Speed Spindle
standard monitor	22-inch FHD LCD screen
power supply	3-phase AC 220 V ±5 % 50 Hz / 60 Hz, 4.0 kw