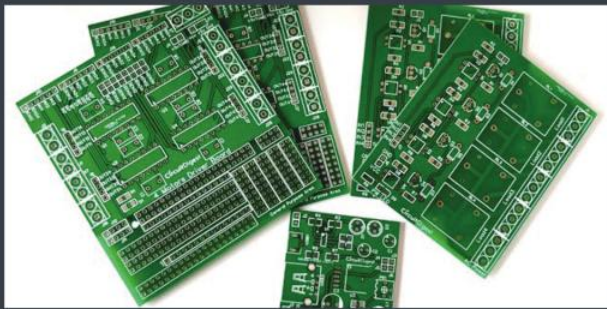


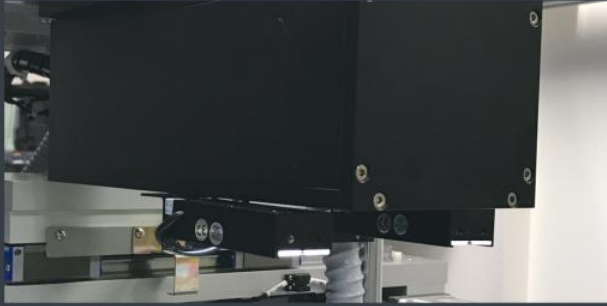
PCB



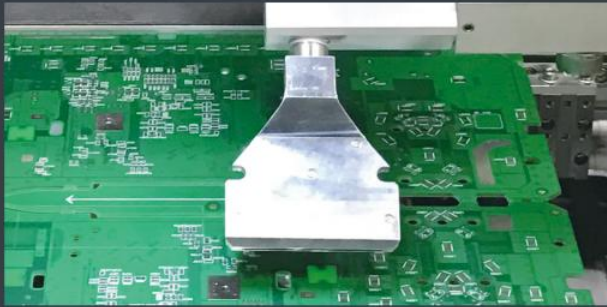
Laser



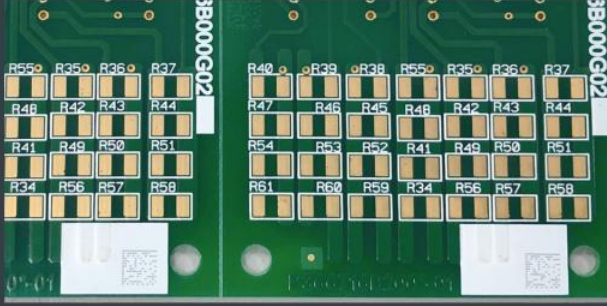
Built-in CCD



Exhaust fan



Engraving QR code



LASER MARKING CF-PL20

Automatic Laser Engraving Machine (PCB)

The dual-head 20W laser engraving system supports to engrave the front and back sides simultaneously. High-resolution visual alignment system can make sure engraving position accurately. There is an automatic opening and closing adjustment on the transport track, and the working direction can be adjusted according to the production line without modifying the machine.

IPG fiber laser (green or purple light)

It is stable. The upper and lower laser can engrave the front and back sides simultaneously.

CCD visual orientation

Images show the engraving content clearly. It has dynamic adaptability so it can revise and recoup the azimuth error automatically and ensure the accuracy and stability of engraving or correction area.

Adopts high-speed galvanometer

The explicit process, engraving speed is fast, and the performance is stable.

User-friendly software

Easy to learn and it has optimized editing functions.

Connect with the central servo database

Convert the laser engraving graphics immediately after reading the QR code and save the quality data back to the traditional meter control. Built-in bar code level evaluation system records and alarms automatically when it cannot be read.

The track positioning is equipped with a jacking module

Suppress deformation of the PCB.



Handler

Items	Specification Descriptions
Machine Dimension	1600(W) x 1450(D) x 1850(H) mm
Machine Weight	550 kg
Accuracy	± 0.05 mm
PCB Size	> 450 x 450 mm, 0.5 x 0.5 μm
Facility Consumption	200~240V; 1φ3W; 50/60Hz; 25A

Laser

Items	Specification Descriptions
Type	光纖 / 紫光 / 綠光 / CO2雷射器 (Optional)
Scanning Head with F Theta Lens	F = 254 mm
CW Out Power	20 W
Wavelength	1064 nm
Beam Quality	m² < 1.5
Stability	< 2 %
Modulation	0~200 KHz
Output Quality	< 1.5 m²
Angle Divergence	0.3 mrad
Marking Speed	≤ 7000 mm/second
Min Line	0.03 mm
Position Resolution	± 0.001 mm
Marking Field	180 x 180 mm
Power Supply	220V; 50Hz; 500W
Heat Exchange	Air cool