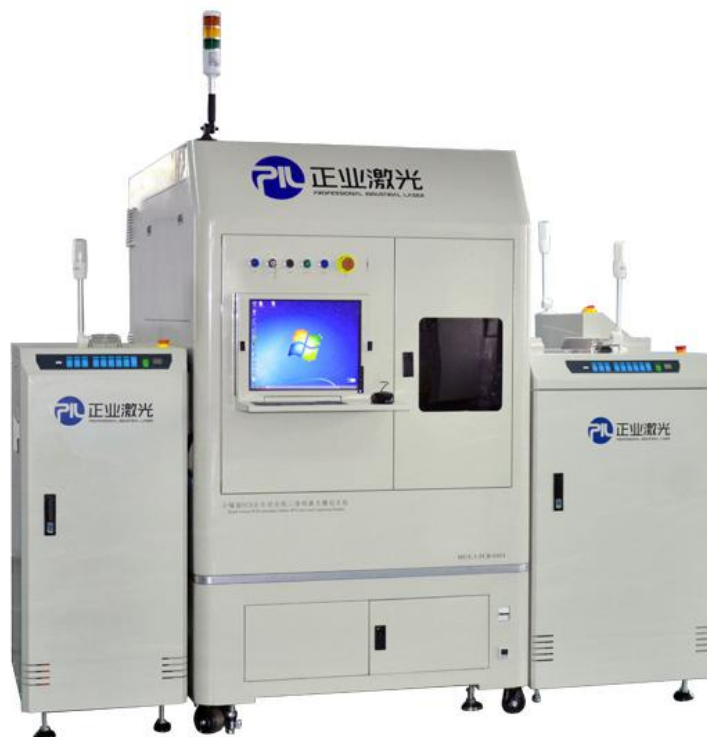


QR Code PCB Laser Marking Machine
(Model : PCB-0404)



Usage

PCB inline QR code laser marking machines are mainly used for automatic engraving QR code on PCB surface (different model according to PCB's size), available on white oil, green oil, black oil and other inks and copper surface . It can automatically engrave QR code of raw materials procurement, production process, batch, manufacturer, date , and destination for product identification and traceability.

Features

- 1, Imported CO2 laser, fiber laser, green laser, UV laser, stability performance.
- 2, Imported high speed vibrating mirror, high processing precision and marking speed, stable performance.
- 3, Easy to use software interface , easy to learn.
- 4, Automatically obtain the work order, product batch number, material name encoding, specifications and other information and automatic marking.
- 5, Automatically read and save the QR code, record and alarm if not available.
- 6, Automatic feeding machines can be customized.
- 7, Environmental friendly, less consumables, less pollution, free maintenance compared to ordinary jet printing way.



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Samples:



1. UV laser engraving QR code on steel stiffener of FPCB, QR code's size is 3mm×3mm.



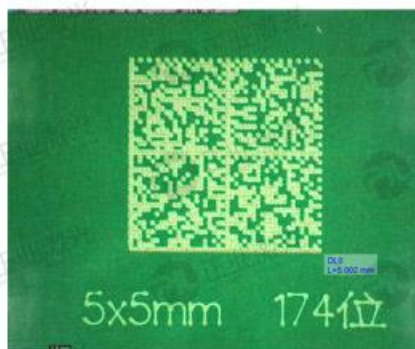
2. UV Laser engraving QR code on white oil of FPCB, QR code's size is 1.7mm×1.7mm..



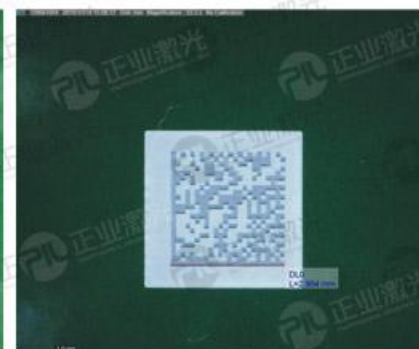
3. UV laser engraving QR code on steel stiffener of FPCB, QR code's size is 3mm×3mm.



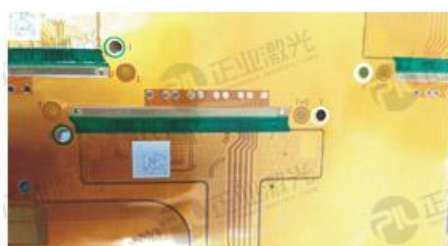
4. Fiber Laser engraving QR code on green oil of PCB, QR code's size is 3mm×3mm



5. UV laser engraving QR code on white oil of PCB, QR code's size is 3mm×3mm



6. UV laser engraving QR code on white oil of PCB, QR code's size is 3mm×3mm



7. UV laser engraving QR code on FPCB.



8. UV laser engraving QR code on PCB

TECHNICAL PARAMETER

Item	Specifications
Name	Small Panel PCB Automatic Inline QR Code Laser Engraving System

Model	PCB-0404
Laser type	UV lasers, green laser, fiber laser, CO2 laser optional
Marking range	100mm×100mm(standard lens);Max up to 200mm×200mm (depending on the type of laser, lens)
Marking speed	6000 mm/s (for example: white ink, size 3 × 3mm, contains 45-digit 2D bar code,complete in 1 second,the actual processing efficiency depends on the laser type and laser power)
Marking position accuracy	±0.08mm (can be customized according to customer requirements)
Applicable PCB size	size is less than 400mm × 400mm; thickness 0.5mm-10mm (can be customized); can be processed veneer, puzzle, yin and yang board, plug-in board
Application	PCB rigid board white ink, green ink, blue ink and other inks; copper (depending on the type of laser)
Power demand	220V/50Hz,total power about 2500W
One-dimensional code	Code 39, Code 25, Code 93, Code 128, EAN-13, EAN-8, ISBN,etc.
2D dimension code	Datamatrix, QR Code, micro QR Code, PDF417, Code 49, Code 16K ,etc.
QR code size	1.5mm×1.5mm~10mm×10mm(depends on the laser type)
Character types	Supports TrueType fonts, single font (JSF), SHX font, bitmap fonts (DMF)
Minimum character height	0.1mm ~0.4mm(depending on the laser type)
File format	DXF, PLT, Excel, TXT file format
Automatic positioning	Supports automatic photo, 2, 3, 4 points localization way
Automatic read code	Read qr code automatically and save data, alarm if can't read
Intelligent production	Can be connected to ERP/MES/SAP system, automatic access to the order number, product batch number, material code, commodity information etc. and code automatically

Loading	Automatically loading system can be customized
unloading	Automatically unloading system can be customized
Turnover device	Turnover device can be customized
Other automatic system	Other automatic system of connection to product line



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