Panasonic
BUSINESS

2020

Electronics Assembly System
catalog
Laser Marking Machine

Laser Marking Machine

Model ID

LPS-C
Model No.NM-EJW9A

CE

* It may not conform to Machinery Directive and EMC Directive in case of optional configuration and custom-made specification.

Model ID	LPS-C
PCB Dimensions	L 50 ㎜ × W 50 ㎜ ～ L 510 ㎜ × W 460 ㎜
PCB Weight	Max. 3 kg
PCB Thickness	0.3 ～ 8 ㎜
PCB Exchange Time	Max. 4 s
Electric Source	Single Phase AC 200, 220, 230, 240 V ±10 V 1.4 kVA
Pneumatic Source	0.5 MPa、28 L / min (A.N.R)
Dimensions *1	W 912 ㎜ × D 1 772 ㎜ × H 1 487 ㎜ (When fume extractor is installed at the rear) W 1 422 ㎜ × D 1 545 ㎜ × H 1 487 ㎜ (When fume extractor is installed at the side)
Mass	540 kg (Main Body), 31 kg (Fume Extractor)
Marking Specification	
Marking Field	55 ㎜ × 55 ㎜
Character Width / Height	0.1 ㎜ ～ 55 ㎜ *2
Minimum Cell Size *3	Min. 0.1 ㎜ × 0.1 ㎜
Marking Speed	Max. 3 000 ㎜ /s
Character Type	English alphabets & numerals
Bar Code Types	CODE39, CODE128, ITF, NW-7, JAN（EAN）/UPC
2D codes Types	QR Code, Micro QR Code, iQR Code, Data Matrix, GS1Data Matrix

*For details, refer to "Specification Manual"
*1：Excluding signal tower
*2：Settings range that can be accepted. The allowable size dependent on PCB conditions.
*3：Varies with PCB Conditions.

Marking Examples

【English Characters / Numerals】

0123456789
ABCDEFGHIJKLMNOPQRSTUV
abcdefghijklmnopqrstuvwxyz

0123456789
ABCDEFGHIJKLMNOPQRSTUV
abcdefghijklmnopqrstuvwxyz

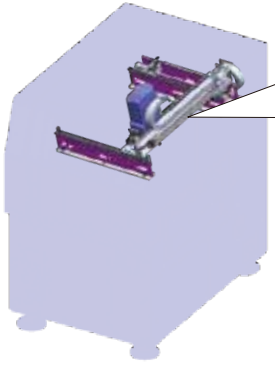**【Barcode】**

CODE128

【2D Code】

QR Code

Data Matrix

Basic Specification

Laser Specification

· Laser Type: Class 4 CO_2 laser
· Laser Power : 5W
· Laser Wavelength: 10.6 μm

1 High Quality

Capable of high precision marking with minimum cell size of 0.1mm × 0.1mm.
Recognition of PCB mark, and automatically corrects X-Y coordinates before marking

2 High Speed Marking

High marking speed of 0.3s/mark [*1]

3 Power Saving

Equipped with 5 watts low power laser for lower Electricity consumption

●Minimum Cell Size

0.1 mm
0.1 mm

●Code size and volume information (reference example)

QR Code
3.3 × 3.3 mm
114 characters storage[*2]

Data Matrix
2.2 × 2.2 mm
31characters storage[*2]

*1:Example of 2.2 mm square 2-dimensional code printing (depending on condition)
*2:Maximum number of alphanumeric characters

Improve Quality Control in Production.

Durable Marking

Eliminates wear and tear (smudges, peel-off) issues

Automated Serialization

To avoid issue of wrong or duplicated serial number

Reduce TCO *
*TCO : Total Cost of Ownership
The total cost of machine purchasing, maintenance and management

Material Cost Reduction

Eliminates high cost of material for ink and labels

Operator Cost Reduction

Eliminates manpower cost for operating of label printer and label pasting
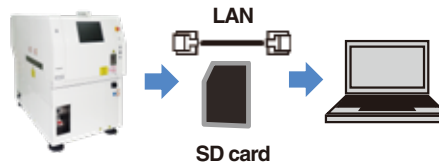
Options

Marking Code Verification

Marking results can be verified by handheld scanner or direct code scanner

Data Export

LAN
SD card

Marking data and verification information can be stored and exported via LAN and SD Card

Off Line Editor

Allows for offline editing of marking coordinates and marking conditions

Line solution

Total control of production line through the system that "interfaces" between Panasonic/non-Panasonic machines

PanaCIM-EE
Customer system

iLNB

BHU Non-Panasonic	Laser Marker Panasonic
Printer Panasonic	SPI Non-Panasonic
SMT Panasonic	AOI Non-Panasonic
Oven Non-Panasonic	

Function	Details
①Automatic changeover	①Registration of automatic changeover recipe
	②Automatic changeover
	③Automatic changeover monitoring
	④Operation monitoring
②Information output	①Operation information output
	②Trace information output
	③Machine status output

⚠ Safety Cautions

●Please read the User's Manual carefully to familiarize yourself with safe and effective usage procedures.

●To ensure safety when using this equipment, all work should be performed according to that as stated in the supplied Operating Instructions. Read your operating instruction manual thoroughly.

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Please check the homepage for the details.
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●Homepage industrial.panasonic.com/ww/fa-jisso

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