

## Laser Marking Machine



Model ID

# LPS-C

Model No. NM-EJW9A



\*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 mm × W 50 mm ~ L 510 mm × W 460 mm
PCB Weight	Max. 3 kg
PCB Thickness	0.3 ~ 8 mm
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 mm × D 1 772 mm × H 1 487 mm (When fume extractor is installed at the rear) W 1 422 mm × D 1 545 mm × H 1 487 mm (When fume extractor is installed at the side)
Mass	540 kg (Main Body)、31 kg (Fume Extractor)
Marking Specification	
Marking Field	55 mm × 55 mm
Character Width / Height	0.1 mm ~ 55 mm *2
Minimum Cell Size *3	Min. 0.1 mm × 0.1 mm
Marking Speed	Max. 3 000 mm / 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"

\*3 : Varies with PCB Conditions.

\*1 : Excluding signal tower

\*2 : Settings range that can be accepted. The allowable size dependent on PCB conditions.

### Marking Examples

#### 【English Characters / Numerals】

0123456789  
ABCDEFGHIJKLMN OPQRSTU  
vwxyz

0123456789  
ABCDEFGHIJKLMN OPQRSTU  
vwxyz

#### 【Barcode】



CODE128

#### 【2D Code】

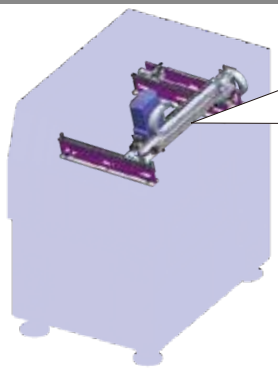


QR Code



Data Matrix

## Basic Specification



### Laser Specification

- Laser Type: Class 4 CO<sub>2</sub> laser
- Laser Power : 5 W
- Laser Wavelength: 10.6 μm



### 1 High Quality

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

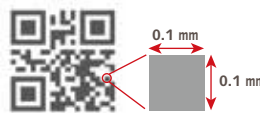
### 2 High Speed Marking

High marking speed of 0.3 s / mark \*1

### 3 Power Saving

Equipped with 5 watts low power laser for lower Electricity consumption

#### ● Minimum Cell Size



#### ● Code size and volume information (reference example)



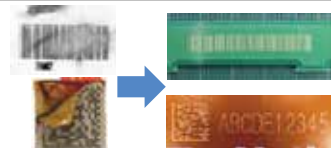
\*1: Example of 2.2 mm square 2-dimensional code printing (depending on condition)  
\*2: Maximum number of alphanumeric characters

### Reduce TCO \*TCO: Total Cost of Ownership

The total cost of machine purchasing, maintenance and management

## 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

### 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

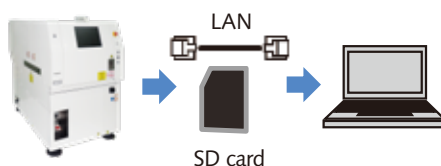
## Options

### Marking Code Verification



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

### Data Export



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

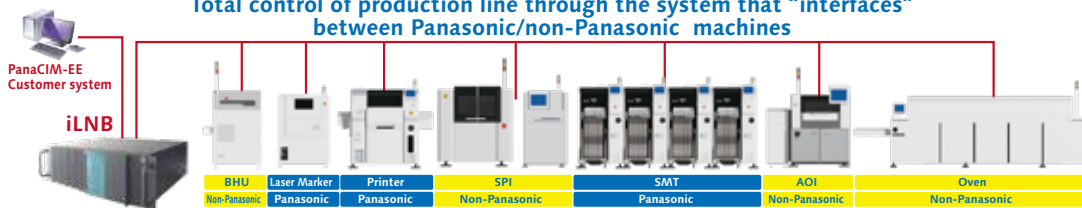
### Off Line Editor



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



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