

## FEATURES

### STANDARD



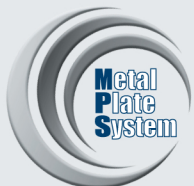
### USED BY:

- AUTOMOTIVE ASSEMBLY PLANTS
- AEROSPACE
- SHIPYARDS
- STEEL PLANTS
- MILITARY
- COMPONENT MANUFACTURERS
- LOGISTICAL MANAGEMENT
- INDUSTRY

### IDEAL FOR:

- AUTOMOTIVE ASSEMBLY PLANTS
- AEROSPACE
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### SOFTWARE



# METAL EMBOSSER SERIES

## ME 1000 - 2000 2D DATA MATRIX



## IDEAL FOR LONG LIFE INDUSTRIAL MARKING APPLICATION

### 2D MATRIX BARCODE DURABLE EMBOSSED METAL PLATES

- ▶ Ideal for harsh post marking treatment of tags like sanblasting, painting etc.
- ▶ PVC or Mylar tags need to be regularly replaced causing lost time, identification error and high consumables costs.
- ▶ Tags are required to have a long working life and will be subjected to enviromental degradation
- ▶ Application where marking the component or items directly:
  - affect its mechanical integrity
  - is too difficult to achieve
  - is too costly (laser dot peen)
  - too time consuming affecting production efficiency

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# TECHNICAL FEATURES

## 2D ENCODING AREA

ECC200 BARCODING		
Row & col.	Nuber only	Alpha-numeric
10x10	6	3
12x12	10	6
14x14	16	10
16x16	24	16
18x18	36	25
20x20	44	31
22x22	60	43
24x24	72	52
26x26	88	64

\*Total area depends on dot size

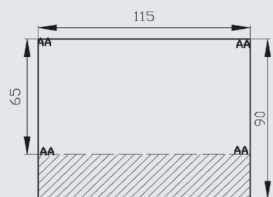


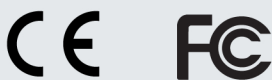
Plate dimension in mm. Dashed area not usable



2D Data Matrix Barcode Reader  
DNR-7500V-00  
CIM P/N C7010972

**ME1000**  
**2D Data Matrix**

**ME2000**  
**2D Data Matrix**



## PLATE & FEEDER

### dimensions

width: 1.18 - 4.53 in / 30 - 115 mm

height: 0.83 - 3.54 in / 21 - 90 mm

0.0157 - 0.0354 in / 0.4 - 0.9 mm

### thickness

### materials

stainless steel, carbon steel, aluminium, copper and brass

### input hopper

ME1000 2D Data Matrix: manual feed - single access point

ME2000 2D Data Matrix: up to 250 plates capacity. (0.0157 in / 0.4 mm)

### output hopper

ME1000 2D Data Matrix: manual feed

ME2000 2D Data Matrix: up to 250 plates capacity. Options: FIFO (first in - first out)

technology or side eject.

## STAMPING

### technology

standard alphanumeric marking plus 2D matrix embossing

Reed - Salomon error correction

### drum capacity

60 or 90 slots - 45 slots drum available for special applications

### type set

many characters configuration available: 2D dot font: 0.25 / 0.50 / 0.75 mm

### indenting

Simplex 2, OCRB1, Blocco USA, Double Blocco, etc. Height: 0.118 x 0.472 in / 3 x 12 mm

### debossing

Elite Dog Tag

### stamping area

full plate except for 0.039 in / 1 mm from the top and left/right edges and 0.28

in / 7 mm from the bottom edge. Avoid edges in order to not damage the stylus.

### 2D embossable area

See table beside (2D ENCODING AREA)

### performance

Plate types	Card production time	Production time
18x18: 23 alphanumeric char. data	49.6" each plate (32" for 2D)	72 cph
16x16: 5 numeric char. data	40.0" each plate (26.8" for 2D)	90 cph
14x14: 5 numeric char. data	32.8" each plate (20" for 2D)	110 cph

## COMMUNICATION INTERFACE & SOFTWARE

### communication interface

RS232 serial port

### operating system

Compatible with Windows / XP / Vista / 7

### application software

Sword 2D Data matrix - PC application proprietary software compatible with CIM 2D Data to Barcode automatic conversion. Automatic data field; plate archive; DBIII, DBIV, Excel, MS Access file compatibility; self diagnostic, automatic repetition of faulty plate personalization, resetable and non-resetable counters.

### protocol

CIM, Xon-Xoff, MultiEmbosser, Stored Format default, Stored format Select and Pound-Pound via external keyboard; 20 storable formats downloadable

### LCD Edit

ECC200

### 2D Matrix encoding

## HARDWARE

### power supply

100 - 117 - 220 - 230 or 240 Volt - 50 or 60 Hz

### power consumption

800 Watt

### operating environment

temperature: 41 - 104 °F / 5 - 40° C

relative humidity: 30% - 90% non condensing

### dimensions (WxDxH)

24.8 x 29.1 x 15 in / 630 x 740 x 380 mm

### weight

ME1000 2D Data Matrix - 165 lbs / 75 Kg - ME2000 2D Data Matrix - 172 lbs / 78 Kg

## VARIOUS

### LCD display

2 lines of 40 characters LCD display for diagnostics and offline operation

### Others

lithium back up battery; security operation with key lock; emergency stop red button, machine status indicator lights, nearend input / near full output hopper plate sensor for continuous production (ME2000 2D Data Matrix)

**Easy & flexible:** manual (**ME1000 2D Data Matrix**) or automatic (**ME2000 2D Data Matrix**) loading and unloading has never been easier. Equipped with a unique clamp for plates of most dimensions and metals. **CIM** has developed various command protocols allowing the ME1000 / 2000 2D Data Matrix to easily interface with custom applications.

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