METAL EMBOSSER SERIES

ME 1000 - 2000 2D DATA MATRIX

FEATURES

STANDARD

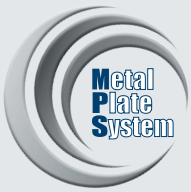
USED BY:

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

IDEAL FOR:

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

SOFTWARE



0.75 mm
barcode dot size dimension
barcode dot spacing = 04

0.50 mm
barcode dot size dimension
barcode dot spacing = 03

0.25 mm
barcode dot size dimension
barcode dot spacing = 02

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

CIM
CARD IMAGING MASTER

TECHNICAL FEATURES

PLATE & FEEDER

dimensions width: 1.18 - 4.53 in / 30 - 115 mm
height: 0.83 - 3.54 in / 21 - 90 mm
thickness 0.0157 - 0.0354 in / 0.4 - 0.9 mm
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
LCD Edit via external keyboard; 20 storable formats downlodable
2D Matrix encoding ECC200

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.

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

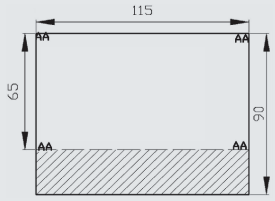


Plate dimension in mm. Dashed area not usable

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

ME1000 2D Data Matrix

ME2000 2D Data Matrix

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