

FEATURES

STANDARD



USED BY:

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

IDEAL FOR:

- AUTOMOTIVE ASSEMBLY PLANTS
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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

- 4 Ideal for harsh post marking treatment of tags like sanblasting, painting etc.
- 4 PVC or Mylar tags need to be regularly replaced causing lost time, identification error and high consumables costs.
- 4 Tags are required to have a long working life and will be subjected to enviromental degradation
- 4 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



TECHNICAL FEATURES

2D ENCODING AREA

ECC200 BARCODING		
Row & col.	Nuber only	Alphanumeric
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

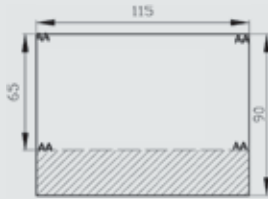


Plate dimension in mm. Dashed area not usable



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

ME1000
2D Data Matrix

ME2000
2D Data Matrix

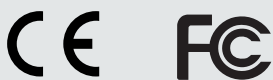


PLATE & FEEDER

dimensions width: 30 ÷ 115 mm / 1.18 ÷ 4.53 in
height: 21 ÷ 90 mm / 0.83 ÷ 3.54 in

thickness 0.4 ÷ 0.9 mm / 0.0157 ÷ 0.0354 in

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. (Ø 0,4 mm/0.0157 in)

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, BlockUSA, Double Block, etc. Height 3 ÷ 12 mm / 0.118 ÷ 0.472 in.

debossing Elite Dog Tag

stamping area full plate except for 1 mm / 0.039 in from the top and left/right edges and 7 mm / 0.28 in 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 downloadable

2D Matrix encoding ECC200

HARDWARE

power supply 100 - 117 - 220 - 230 o 240 Volt - 50 o 60 Hz

power consumption 800 Watt

operating environment temperature: 5 ÷ 40° C / 41 ÷ 104 °F
relative humidity: 30% ÷ 90% non condensing

dimensions (WxDxH) 630 x 740 x 380 mm / 24.8 x 29.1 x 15 in

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

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 applica-

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