METAL EMBOSSER SERIES
ME 1000 - 2000 2D DATA MATRIX

Activity Diagnostics Lights

LCD display and front control panel for technical diagnostics

ME1000
2D Data Matrix

Up to 250 plates capacity Hopper (input and output)

Emergency stop

| 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

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
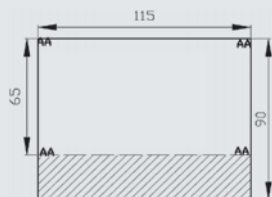
Plate dimension in mm. Dashed area not usable

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

TECHNICAL FEATURES
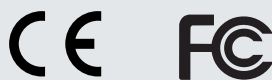
PLATE & FEEDER

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.

davies

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