



DATA MATRIX

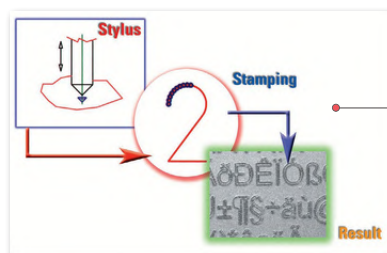


DOT PEEN METAL MARKING SYSTEM WITH 2D DATA MATRIX BARCODE

PRECISE, PERMANENT AND TAMPER-PROOF MARKING.

- ✓ Ideal for harsh post marking treatment of tags like sandblasting, painting etc.
- ✓ PVC or Mylar tags need to be regularly replaced causing waste of time, identification error and high consumables costs.
- ✓ Perfect for tags which are required to have a long working life and need to be exposed to atmospheric agents.
- ✓ Application is recommended when direct marking of the components or items:
 - affects its mechanical integrity
 - is too difficult to achieve
 - is too costly (laser dot peen)
 - is too time consuming, thus affecting production efficiency

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



Up to 250 plates capacity hoppers:
input & output



USED BY

- MANUFACTURING INDUSTRY
- LOGGING INDUSTRIES
- LOGISTICS MANAGEMENT
- POWER & UTILITY COMPANIES

- AGRICULTURE
- SHIPYARDS
- STEEL PLANTS
- MILITARY



IDEAL FOR

- CABLE / HOSE / SERIAL NUMBER TAGS
- INDUSTRIAL SAFETY TAGS
- INVENTORY / ASSET CONTROL AND TRACKING TAGS FOR:
 - HARSH ENVIRONMENTS
 - COMPONENT ID
 - WORK IN PROGRESS
 - HEAT-TREATED PROCESS

FEATURES AND SPECIFICATIONS

MODEL NAME	MDM1000-2000 2D DM
PLATE AND FEEDER	
Dimensions	Width: MDM2000 2D DM 50 ÷ 115 mm / 1.97 ÷ 4.53 in MDM1000 2D DM 50,8 ÷ 115 mm / 2 ÷ 4.53 in Height: MDM2000 2D DM 21 ÷ 90 mm / 0.83 ÷ 3.54 in MDM1000 2D DM 28,6 ÷ 90 mm / 1.126 ÷ 3.54 in
Materials	Alluminum, copper, and brass
Thickness	0,4 ÷ 0,9 mm / 0.0157 ÷ 0.0354 in
Input hopper	MDM2000 2D Data Matrix: up to 250 plates capacity (Ø 0,4 mm/0.0157 in) MDM1000 2D Data Matrix: manual feed - Single Access Point
Output hopper	MDM2000 2D Data Matrix: up to 250 plates capacity Options: FIFO (first in – first out) technology or side eject - MDM1000 2D Data Matrix: manual feed
MARKING	
Technology	Micro-percussion using a stylus in Widia steel - marking pressure adjustable depending on the material to be stamped (standard force 500 N)
Resolution	200 dpi
Font	Standard windows fonts including special characters and symbols MDM2000 2D Data Matrix: manages up to 3 different fonts each job
Logos	Up to 2 at a time, resident in equipment. Max area about 84 cm ² / 13 square in
Layout facilities	Fonts and logos can be rotated 90°/180°/270°
Performance (DM CODE ECC 200)	130 plates/h (14x14: 5 numeric char.) 55 plates/h (16x16: 5 numeric char.) 30 plates/h (18x18: 23 alphanumeric char.)
COMMUNICATION AND SOFTWARE	
Interface	Serial Port RS232 – USB to RS232 Adapter (Optional)
Protocols	CIM, Xon-Xoff, MultiEmbosser and Pound-Pound
Operating system	PowerTag PC application proprietary software compatible with Windows 8.1/10/11, MacOS (Intel64, da 10.x and latest), Linux
Application software	Automatic data field; plate archive; DBIII, DBIV, Excel, MS Access file compatibility; self diagnostics, automatic repetition of faulty plate marking, resetable and non-resetable counters
LCD edit	Via external keyboard; 20 storable formats downlodable
Data format	50 fields of 80 characters each (Variable, Fixed data, Counters, etc.)
HARDWARE	
Power supply	100 - 117 - 220 - 230 or 240 Volts - 50 or 60 Hz
Power consumption	100 Watt
Operating environment	temperature: 5 ÷ 40 °C / 41 ÷ 104 °F, relative humidity: 30% ÷ 90 % non condensing
VARIOUS	
LCD display	2 lines of 40 characters LCD display for diagnostics and offline operation
FLASH memory technology	for easy firmware upgrade operation
Others	Lithium back up battery; security operation with key lock; machine status indicator lights; near end input / near full output hopper plate sensors for continuous production (MDM2000 2D Data Matrix); visual alarm kit for operator alert

CERTIFICATIONS



WARRANTY



MARKING AREA



Avoid edges in order to not damage the stylus

DIMENSION



MDM2000 2D DM
57 Kg / 126 lbs

MDM1000 2D DM
54 Kg / 119 lbs

WEIGHT



SOFTWARE

optional
power tag
EVO

ECC200 BARCODING 2D ENCODING AREA

ROW & COL.	NUMERIC CAPACITY	ALPHA-NUMERIC CAPACITY
10 x 10	6	3
12 x 12	10	6
14 x 14	16	10
16 x 16	24	16
18 x 18	36	25
20 x 20	44	31
22 x 22	60	43
24 x 24	72	52
26 x 26	88	64

Total area depends on dot size



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