ME1000S | ME2000S
DATA MATRIX | **DATA MATRIX**

CIM - CARD IMAGING MASTER

- TOUCH SCREEN 7"
- INTERNET OF THINGS
- WIFI
- USB
- ETHERNET

DATA MATRIX

METAL PLATE Systems

METAL PLATE EMBOSSER WITH 2D DATA MATRIX OPTION

The **ME1000S DATA MATRIX** and **ME2000S DATA MATRIX** are robust, heavy duty and reliable electronic embossers designed to mark alphanumeric characters and **2D DATA MATRIX** barcodes on different aluminum and steel tags sizes. The **2D DATA MATRIX** barcode has the great advantage of containing a high volume of data on limited space. With a completely renewed design and new features, the **ME1000S DATA MATRIX** and **ME2000S DATA MATRIX** are advanced solutions that can be integrated into any existing factory or office network.

7" color touchscreen display with high resolution
The **ME1000S DATA MATRIX** and **ME2000S DATA MATRIX** are equipped with a built-in 7 "WVGA LCD touchscreen display with simple and easy to use icon and buttons. The user can access and manage machine functions through a multi-level menu in an easy and intuitive way.

IoT (Internet of Things) remote access and management
- Web services: The machine set-up and operations can be entirely managed remotely via the web or through the use of VNC (Virtual Networking Computing) client, using a personal computer or other devices connected to the Customer's network.
- Data transfer: Data import/export and the machine updating can be managed from any device connected to the embosser via, Ethernet by using the FTP protocol (file transfer protocol).

USB (type A, type B), Ethernet and WiFi
The **ME1000S DATA MATRIX** and **ME2000S DATA MATRIX** can be connected to a personal computer, to load data and start production, or to another device, such as keyboard, barcode reader or other if needed.

ME1000S DATA MATRIX and **ME2000S DATA MATRIX** are designed for medium to high volume production process.

USED BY
- AUTOMOTIVE PLANTS
- SHIPYARDS
- STEEL PLANTS
- CHEMICAL PLANTS
- MILITARY
- INDUSTRIAL MANUFACTURERS
- LOGISTICS MANAGEMENT
- POWER & UTILITY COMPANIES

IDEAL FOR
- BODY & VIN PLATES
- MILITARY ID TAGS
- CABLE / HOSE TAGS
- ID & TRACKING TAGS
- COMPONENT ID
- TAGS FOR GALVANIZED OR HEAT-TREATED PROCESSES
- SERIAL NUMBER TAGS

FEATURES AND SPECIFICATIONS

MODEL NAME	ME1000S DATA MATRIX - ME2000S DATA MATRIX

PLATE AND FEEDER

Dimensions	Rectangular tag: 30 ÷ 115 x 21 ÷ 90 mm - 1.18 ÷ 4.53 x 0.83 ÷ 3.54 in (WxH) Round tag: Ø 38,10 mm - 1.5 in, dog tag: 52 x 29 mm - 2.05 x 1.14 in (WxH) Medical alert tag: 57 x 32 mm - 2.24 x 1.26 in (WxH)

rectangular tag   round tag   dog tag   medical alert tag

Materials	Stainless steel, carbon steel, aluminium, copper and brass
Thickness	0,4 ÷ 0,9 mm - 0.0157 ÷ 0.0354 in
Input hopper	ME1000S Data Matrix: manual feed - Single Access Point ME2000S Data Matrix: up to 250 plates capacity (0,4 mm - 0.0157 in)
Output hopper	ME1000S Data Matrix: manual feed - ME2000S Data Matrix: up to 250 plates capacity. Options: FIFO (first in – first out) technology or side eject

MARKING

Technology	Standard alphanumeric marking plus Data Matrix embossing
Wheel capacity	60 or 90 slots - 45 slots drum available for special applications
Type set	Many character configurations available: Embossing: Simplex 2, OCRB1, Block USA, Double Block, etc. - Height 3 ÷ 12 mm / 0.118 ÷ 0.472 in - Indenting: Simplex1, Simplex 2, etc. Height 1 ÷ 4 mm / 0.039 ÷ 0.157 in - Debossing: Elite Dog Tag
Data Matrix embossable area	See table beside (ECC200 DATA MATRIX ENCODING AREA)
Performance	231 tags per hour based on 55 characters

COMMUNICATION AND SOFTWARE

Interface	USB 2.0 port (device and host), Ethernet. WiFi (optional)
Software	Linux based self enclosed software PowerTag PC application proprietary software Windows 7/8/10
Protocol	Multiembosser Optional: Cim, Xon-Xoff, Stored Format default, Stored Format Selected and Pound-Pound

HARDWARE

System	CPU Arm Cortex-A8 / RAM 256 MB, with flash-disk and file system Linux O.S. based
Power supply	100 - 117 - 220 - 230 or 240 Volts - 50 or 60 Hz
Power consumption	800 Watt max
Operating environment	Temperature: 5 ÷ 40 °C / 41 ÷ 104 °F, relative humidity: 30% ÷ 90% non condensing

VARIOUS

Others	Built in touch screen 7", multi-language user interface management: English, Spanish, Italian Innovative embedded software up-grade system thru pen drive and web server Machine configuration protected by psssword for high security and data protection
2D Data Matrix Barcode Reader	DNR-7500V-00 - CIM P/N C7010972

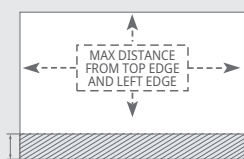## CERTIFICATIONS

UL, FCC, CE, ROHS

WARRANTY

12 months

EMBOSSING AREA

MAX DISTANCE FROM TOP EDGE AND LEFT EDGE

Dashed area not usable height 3,5 mm - 0.137 in

DIMENSION

50 cm / 19.7 in
70 cm / 27.6 in
63 cm / 24.8 in

WEIGHT

85,5 Kg / 189 lbs

SOFTWARE

powertag LITE
optional
powertag EVO

ECC200 DATA MATRIX ENCODING AREA

ROW & COL.	NUBER ONLY	ALPHA-NUMERIC
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

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