

METAL PLATE EMBOSSEER 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 - 1.8 ÷ 4.53 x 0.83 ÷ 3.54 in (WxH)
 Round tag: Ø 38,10 mm - 0.5 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

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 password for high security and data protection

2D Data Matrix Barcode Reader

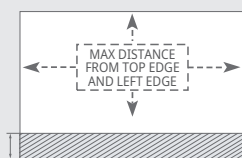
DNR-7500V-00 - CIM P/N C7010972

CERTIFICATIONS

UL, FCC, CE, ROHS



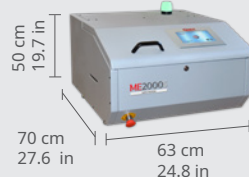
EMBOSSING AREA



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



DIMENSION



WEIGHT

85,5 Kg / 189 lbs



SOFTWARE

power tag
LITE
optional
power tag
EVO

ECC200 DATA MATRIX ENCODING AREA

ROW & COL.	NUMBER 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