



## METAL PLATE EMBOSSESSER 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

Output hopper

ME2000S Data Matrix: up to 250 plates capacity (0,4 mm - 0.0157 in)

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

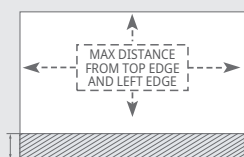
DNR-7500V-00 - CIM P/N C7010972

## CERTIFICATIONS

UL, FCC, CE, ROHS



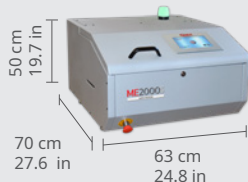
### EMBOSSING AREA



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.	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