

Metal Embosser ME 2000 2D Data Matrix



The product : Metal Embosser for metal tags **ME2000 2D Data Matrix**

Model : **ME2000 2D Data Matrix**

Introduction : **ME2000 2D Data Matrix** ideal for long life industrial application.

Description : **IDEAL FOR**

Harsh post marking treatment of tags like sandblasting, painting, etc.

- PVC or Mylar tags need to be regularly replaced causing lost time, identification error and high consumable costs.
- Tags are required to have a long working life and will be subjected to environmental degradation.

Application where marking the component or items directly:

- affect its mechanical integrity
- is too difficult to achieve
- is too costly (laser dot pen)
- too time consuming affecting production efficiency

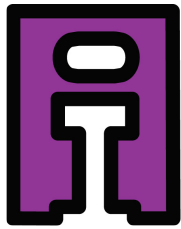
Features : **PLATES MANAGEMENT:**

Input hopper: up to 250 plates capacity (thickness 0,4 mm)

Output hopper: up to 250 plates (thickness 0,4 mm). Options FIFO (First in – first out) technology or side eject.

Plates dimensions in mm: width = min. 30-max 115
height = min. 21 max 90
thickness: 0,4 ÷ 0,9 mm

Materials: stainless steel, carbon steel, aluminium, copper and brass



EMBOSSING:

Technology: Standard alphanumeric marking plus 2D matrix embossing
Reed-Salomon error correction

Drum capacity: 60 or 90 slots – 45 slot drum available for special applications.

Type set: many character configurations available:

- 2D dot font: 0,25 / 0,50 / 0,75 mm.
- Embossing: Simplex 2, OCR B1, Blocco USA, Double block, etc. – Height 3-12 mm.
- Indenting: Simplex 1, Simplex 2, etc. – Height 1-4 mm.
- Debossing: Elite Dog Tag.

2D embossable area: see table beside (2D ENCODING AREA)

Performance:

Plate types	Card production time	Production time
18x18: 23 alphanumeric char data	79,6" each plate (32" per 2D)	72 cph
16x16: 5 alphanumeric char data	40,0" each plate (26,8" per 2D)	90 cph
14x14: 5 alphanumeric char data	32,8" each plate (20" per 2D)	110 cph

COMMUNICATION INTERFACE & SOFTWARE

Communication interface: RS232 serial port

Operating system: compatible with Windows 2000/XP/Vista

Protocol: CIM, Xon-Xoff, MultiEmbosser, Stored Format Default, Stored Format Selected and Pound-Pound.

Software/Firmware: Software **SWORD 2D Datamatrix** – PC application proprietary software with CIM 2D Data to Barcode automatic conversion. Automatic data field; plate archive; DBIII, DBIV, Excel, MS Access file compatibility; self diagnostics, automatic remake of rejected plates, resettable and non-resettable counters.

Lcd Edit: via external keyboard; 20 storable formats downloadable.

2D Matrix encoding: ECC200.

HARDWARE

Dimensions (WxDxH): 630 x 740 x 380 mm.

Weight: 78 kg.

Power supply: 100-117V, 220-230 or 240Volt / 50 o 60 Hz.

Power consumption: 800W max.

Operating environment: 5° - 40°C.

Operating relative humidity: 30 – 90% without condense.

VARIOUS

LCD Display: 2 lines by 40 character LCD display for diagnostic visualization and offline operation. Others: Lithium back-up battery. Security operation with key lock. Emergency stop red button. Machine status indicator lights. Near end input / near full output hopper plate sensors for continuous production.

Easy & Flexible: Semi-automatic (ME1000 2D Data Matrix) or automatic (ME2000 2D Data Matrix) loading and unloading has never been easier. Equipped with a unique clamp for plate of most dimensions and materials.

The developed various command protocols allowing the ME1000 / ME2000 2D Data Matrix to easily interface with custom applications.

Data subject to change without notice



Different examples of Datamatrix barcode

0,25 mm barcode dot size dimension, barcode dot spacing =02



0,50 mm barcode dot size dimension, barcode dot spacing =03



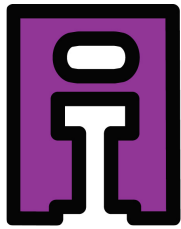
0,75 mm barcode dot size dimension, barcode dot spacing =04



Applications

: Used by:

- Automotive assembly plants
- Aerospace
- Shipyards
- Steel Plants



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SISTEMI

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- Military
- Component Manufacturers
- Logistical Management
- Industry

Ideal for:

- Component Identification
- Work tracking in real time on each production level
- Equipment tracking
- Instruments and equipment hire
- Components and parts inventory management
- Services supply tracking

Software

INCLUDED



- Support barcode 2D encodation data.
- ActiveX Controls for the barcode generation
- Hardlock protection key