

# METAL EMBOSSEY SERIES

## ME 1500 2D

### DATA MATRIX

#### FEATURES

STANDARD



#### USED BY:

- MANUFACTURING
- POWER PLANTS
- UTILITY COMPANIES
- OIL REFINERIES
- CHEMICAL PLANTS

#### IDEAL FOR:

- COMPONENT IDENTIFICATION  
*quickly tag & catalog components throughout manufacturing process*
- WIP  
*trace work in real time at any step in the production process*
- ASSET TRACKING  
*track tools / equipment / devices*
- INVENTORY CONTROL  
*track components, parts, etc.*
- FACILITY IDENTIFICATION  
*identify and track vital assets and areas of facilities to comply with safety requirements and regulatory inspections*
- POST-SALE SERVICE  
*post production track and trace for provision of services*

#### SOFTWARE



**Optional software applications available to integrate automatic data collection, identification, and tracking**



LCD display and front control panel for technical diagnostics

0.75 mm  
barcode dot size dimension  
barcode dot spacing = 04



0.50 mm  
barcode dot size dimension  
barcode dot spacing = 03



0.25 mm  
barcode dot size dimension  
barcode dot spacing = 02



## IDEAL FOR LONG LIFE INDUSTRIAL MARKING APPLICATIONS

### 2D MATRIX BARCODE DURABLE EMBOSSED METAL PLATES

A compact, auto-feed, rugged high speed metal tag embosser with data matrix barcode capability.

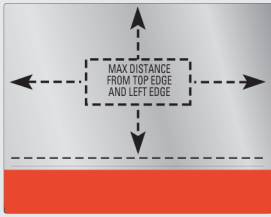
- ▶ Ideal for harsh post marking treatment of tags like sanblasting, painting etc.
- ▶ PVC or Mylar tags need to be regularly replaced causing lost time, identification error and high consumables costs.
- ▶ Tags are required to have a long working life and will be subjected to environmental degradation
- ▶ Application where marking the component or items directly:
  - affect its mechanical integrity
  - is too difficult to achieve
  - is too costly (laser dot peen)
  - too time consuming affecting production efficiency



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# TECHNICAL FEATURES

## EMBOSSING AREA



-  Embossing area
-  Bottom edge / 0.157 in / 4 mm

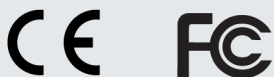
## ECC200 BARCODING

Row & col.	Nuber only	Alpha-numeric
10x10	6	3
12x12	10	6
14x14	16	10
16x16	24	16
18x18	36	25
20x20	44	31
22x22	60	43
24x24	72	52
26x26	88	64

\*Total area depends on dot size



2D Data Matrix Barcode Reader



## PLATE & FEEDER

### dimensions

width: 1.18 - 3.50 in  
height: 0.83 - 2.50 in

### thickness materials

0.0157 - 0.0354 in  
stainless steel - .015in  
aluminium - .015in - .035in

### Input hopper output hopper

400 Tags  
External Collection Tray (FILO)

## STAMPING

### technology

standard alphanumeric marking plus 2D matrix embossing  
Reed - Salomon error correction

### drum capacity

60 slots

### type set

Simplex 2, Blocco USA, Blocco 5mm

### stamping area

full plate except for 0.039 in / 1 mm from the top and left/right edges and 0.28 in / 7 mm from the bottom edge. Avoid edges in order to not damage the stylus.

### 2D embossable area

See table beside (2D ENCODING AREA)

### performance

Plate types	Card production time	Production time
18x18: 23 alphanumeric char. data	49.6" each plate (32" for 2D)	72 cph
16x16: 5 numeric char. data	40.0" each plate (26.8" for 2D)	90 cph
14x14: 5 numeric char. data	32.8" each plate (20" for 2D)	110 cph

## COMMUNICATION INTERFACE & SOFTWARE

### communication interface

RS232 serial port

### operating system

Compatible with Windows / XP / Vista / 7

### application software

Sword 2D Data matrix - PC application proprietary software compatible with CIM 2D Data to Barcode automatic conversion. Automatic data field; plate archive; DBIII, DBIV, Excel, MS Access file compatibility; self diagnostic, automatic repetition of faulty plate personalization, resetable and non-resetable counters.

### protocol

CIM, Xon-Xoff, MultiEmbosser, Stored Format default, Stored format Select and Pound-Pound

### LCD Edit

via external keyboard; 20 storable formats downloadable

### 2D Matrix encoding

ECC200

## HARDWARE

### power supply

100 - 117 - 220 - 230 or 240 Volt - 50 or 60 Hz

### power consumption

800 Watt

### operating environment

temperature: 41 - 104 °F / 5 - 40° C  
relative humidity: 30% - 90% non condensing

### dimensions (WxDxH)

24.8 x 29.1 x 15 in / 630 x 740 x 380 mm

### weight

ME1500 2D Data Matrix - 172 lbs / 78 Kg

## VARIOUS

### LCD display

2 lines of 40 characters LCD display for diagnostics and offline operation

### Others

lithium back up battery; security operation with key lock; emergency stop red button, machine status indicator lights, nearend input / near full output hopper plate sensor for continuous production (ME1500 2D Data Matrix)

Designed specifically for the industrial user: The **ME1500DM** is a rugged, reliable and cost effective solution for the production of embossed metal plates with data matrix barcode capability for asset ID and work in progress where automatic data collection is a necessity

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