

METAL EMBOSSEYER 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

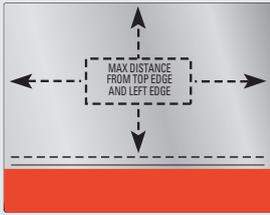
A compact, auto-feed, rugged high speed metal tag embosser with data matrix barcode capability.

- ▶ Ideal for harsh post marking treatment of tags like sandblasting, 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



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

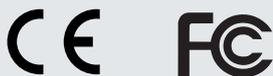


PLATE & FEEDER

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

thickness 0.0157 - 0.0354 in

materials stainless steel - .015in
aluminium - .015in - .035in

Input hopper 400 Tags

output hopper 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 via external keyboard; 20 storable formats downloadable

LCD Edit ECC200

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



cim-usa.com

FOR MORE INFORMATION CONTACT



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