METAL EMBOSSER 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 enviromental 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

CARD IMAGING MASTER

TECHNICAL FEATURES

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
LCD Edit	via external keyboard; 20 storable formats downlodable
2D Matrix encoding	ECC200

HARDWARE

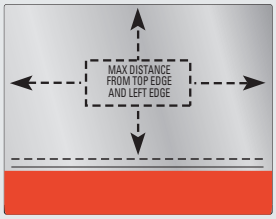
power supply	100 - 117 - 220 - 230 or 240 Volt - 50 or 60 Hz
power consumption	800 Watt
operating environment	temperature: 41 - 104 °F / 5 - 40° C relative humidity: 30% - 90% non condensing
dimensions (WxDxH)	24.8 x 29.1 x 15 in / 630 x 740 x 380 mm
weight	ME1500 2D Data Matrix - 172 lbs / 78 Kg

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

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

cim-usa.com

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