



MDM SERIES

METAL DOT MATRIX 1000 - 2000

MDM1000 metal dot matrix



Manual input / output
Single Access Point

Emergency Stop

LCD display and front control panel
for technical diagnostics

FEATURES

standard



USED BY

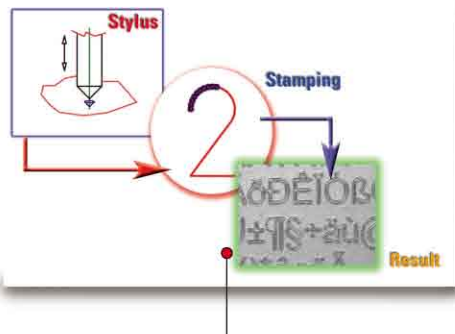
- SHIPYARDS
- STEEL PLANTS
- MILITARY
- MANUFACTURERS OF:
- WHITE GOODS
- MOTORS
- AUTOMOTIVE COMPONENTS
- PUMPS
- LIFTS
- CRANES
- FIRE DOORS
- LOGGING INDUSTRIES
- LOGISTICS MANAGEMENT

THE MOST VERSATILE MARKING SOLUTION FOR INDUSTRIAL PRODUCT IDENTIFICATION

IDEAL FOR

- CABLE / HOSE TAGS
- INVENTORY / ASSET CONTROL & TRACKING TAGS FOR HARSH ENVIRONMENTS
- WORK IN PROGRESS COMPONENT ID
- HEAT-TREATED PROCESS
- SERIAL NUMBER TAGS
- INDUSTRIAL SAFETY TAGS

MDM2000 metal dot matrix



Up to 250 plate
capacity hoppers:
input & output



SOFTWARE



INCLUDED



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METAL DOT MATRIX 1000 - 2000



Logo + text 18 characters
 Font arial 18 - 1 row
 Standard quality 133 s.
 Draft quality 80 s.



Text 49 characters
 Font arial 18 - 6 rows
 Standard quality 164 s.
 Draft quality 99 s.

TECHNICAL FEATURES

PLATE & FEEDER

dimensions width: 30 ÷ 115 mm / 1.18 ÷ 4.53 in - only MDM1000 up to 180 mm / 7.092 in
 height: 21 ÷ 90 mm / 0.83 ÷ 3.54 in - only MDM1000 up to 110 mm / 4.334 in

thickness 0.4 ÷ 0.9 mm / 0.0157 ÷ 0.0354 in

materials aluminium, copper, and brass

input hopper MDM1000: manual feed - Single Access Point
 MDM2000: up to 250 plate capacity. (Ø 0,4 mm/0.0157 in)

output hopper MDM1000: manual feed
 MDM2000: up to 250 plate capacity. Options: FIFO (first in – first out) technology or side eject

STAMPING

technology micro percussion using a stylus in Widia steel - marking pressure adjustable depending on the material to be stamped (standard force 500 N)

resolution 200 DPI

fonts standard Windows fonts including special characters and symbols

logos up to 2 at a time, resident in equipment. Max area about 84 cm² / 13 square in

lay out facilities fonts and logos can be rotated 90/180/270

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

performance depending on font and logo size - marking speed 50 dots per second
stamping in 'DRAFT' mode increases the speed by 65%

COMMUNICATION INTERFACE & SOFTWARE

communication interface RS232 serial port

protocols CIM, Xon-Xoff, MultiEmbosser and Pound-Pound

operating system **Sword** PC application proprietary software compatible with Windows 2000/XP/Vista

application software automatic data field; plate archive; DBIII, DBIV, Excel, MS Access file compatibility; self diagnostics, automatic repetition of faulty plate personalization, resetable and non-resetable counters.

LCD Edit via external keyboard; 20 storable formats downloadable

data format 50 fields of 80 characters each (Variable, Fixed data, Counters, etc.)

HARDWARE

power supply 100 - 117 - 220 - 230 or 240 Volts - 50 or 60 Hz

power consumption 100 Watt

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

dimensions (WxDxH) MDM1000/MDM2000: 630 x 740 x 380 mm / 24.8 x 29.1 x 15 in

weight MDM1000 54 Kg / 119 lbs - MDM2000 57 Kg 126 lbs

VARIOUS

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

FLASH memory technology for easy firmware upgrade operation

Others Lithium back up battery; security operation with key lock; machine status indicator lights; near end input / near full output hopper plate sensors for continuous production (MDM2000); visual alarm kit for operator alert

VERSATILE - The dot peening technology makes the **MDM1000 / 2000** one of the most versatile marking solutions for metal plates, since it allows total freedom in designing the plate layout.

EASY & FLEXIBLE - Manual (**MDM1000**) or automatic (**MDM2000**) loading and unloading has never been easier. Equipped with a unique clamp for plates of most dimensions and metals, the **METAL DOT MATRIX** are designed to meet most requirements in metal plate marking.

CIM has developed various command protocols allowing the **MDM1000 / 2000** to easily interface with custom applications.

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