

FEATURES

STANDARD



USED BY:

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

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

SOFTWARE



METAL DOT MATRIX SERIES

MDM 1000 - 2000



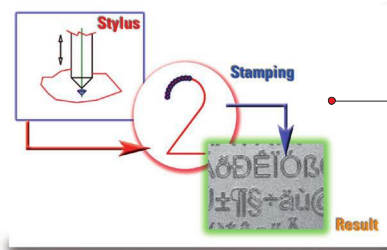
Manual input/ output
Single access point

Emergency stop

LCD display and front control panel
for technical diagnostics

THE MOST VERSATILE MARKING SOLUTION FOR INDUSTRIAL PRODUCT IDENTIFICATION

MDM2000
metal dot matrix



Up to 250 plates capacity hoppers:
input & output



TECHNICAL FEATURES



Widia stylus micro percussion

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.

MDM1000
metal dot matrix

MDM2000
metal dot matrix

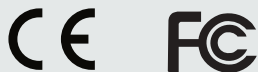


PLATE & FEEDER

dimensions	width: 1.18 - 4.53 in / 30 - 115 mm - only MDM1000 up to 7.092 in / 180 mm height: 0.83 - 3.54 in / 21 - 90 mm - only MDM1000 up to 4.334 in / 110 mm
thickness	0.0157 - 0.0354 in / 0.4 - 0.9 mm
materials	aluminium, copper, and brass
input hopper	MDM1000: manual feed - Single Access Point MDM2000: up to 250 plates capacity. (0.0157 in / 0.4 mm)
output hopper	MDM1000: manual feed MDM2000: up to 250 plates 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 13 square in / 84 cm ²
layout facilities	fonts and logos can be rotated 90°/180°/270°
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.
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, MultiEmboss and Pound-Pound
operating system	Sword PC application proprietary software compatible with Windows / XP / Vista / 7
application software	automatic data field; plate archive; DBIII, DBIV, Excel, MS Access file compatibility; self diagnostics, automatic repetition of faulty plate personalization, resettable and non-resettable 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: 41 - 104 °F / 5 - 40 °C relative humidity: 30% - 90 % non condensing
dimensions (WxDxH)	MDM1000/MDM2000: 24.8 x 29.1 x 15 in / 630 x 740 x 380 mm
weight	MDM1000 119 lbs / 54 Kg - MDM2000 126 lbs / 57 Kg

VARIOUS

LCD display	2 lines of 40 characters 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.

