

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

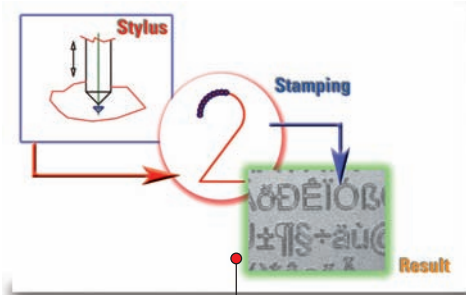
SHIPYARDS
STEEL PLANTS
MILITARY
MANUFACTURERS OF:
WHITE GOODS
MOTORS
AUTOMOTIVE COMPONENTS
PUMPS
LIFTS
CRANES
FIRE DOORS
LOGGING INDUSTRIES
LOGISTICS MANAGEMENT

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

THE MOST VERSATILE MARKING SOLUTION FOR INDUSTRIAL PRODUCT IDENTIFICATION

MDM2000 metal dot matrix



Up to 250 plate
capacity hoppers:
input & output



SOFTWARE



INCLUDED

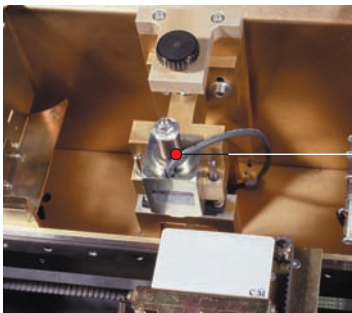


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MDM SERIES

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 cm ² / 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 <i>stamping in 'DRAFT' mode increases the speed by 65%</i>

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, resettable and non-resettable counters.
LCD Edit data format	via external keyboard; 20 storable formats downloadable 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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