METAL DOT MATRIX SERIES
MDM 1000 - 2000

FEATURES

STANDARD

Dot Peen

USED BY:

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

IDEAL FOR:

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

SOFTWARE

powertag LITE

OPTIONAL:

powertag EVO

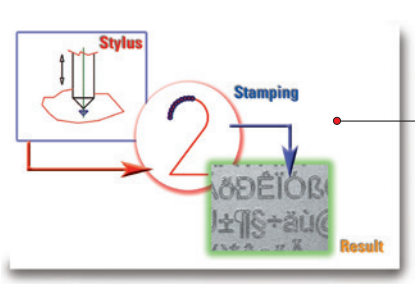
Metal Plate Systems



DOT PEEN METAL MARKING SYSTEM

THE MOST VERSATILE MARKING SOLUTION FOR INDUSTRIAL PRODUCT IDENTIFICATION

MDM Series is **DOT PEEN METAL MARKING SYSTEM** that produce laser-like marks by a series of **MICRO PERCUSSION DOTS.**
It is a cost-effective alternative to stamping and dies. Dot peen metal marking machines allow total freedom and flexibility in **MARKING METAL PLATES** and tags with the ability of dot peening words on the plate surface in any true **WINDOWS-TYPE FONT**, as well as produce **LOGOS** and other **GRAPHICS**.

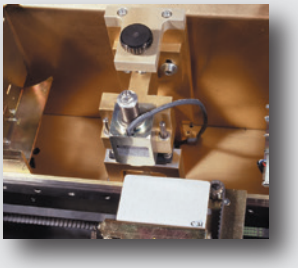




CIM
CARD IMAGING MASTER

FEATURES AND SPECIFICATIONS





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

c UL us
LISTED

RoHS

CE FC

PLATE CAPACITY

dimensions	width: MDM2000 50 ÷ 115 mm / 1.97 ÷ 4.53 in MDM1000 50,8 ÷ 115 mm / 2 ÷ 4.53 in hight: MDM2000 21 ÷ 90 mm / 0.83 ÷ 3.54 in MDM1000 28,6 ÷ 90 mm / 1.126 ÷ 3.54 in
thickness	0,4 ÷ 0,9 mm / 0.0157 ÷ 0.0354 in
materials	alluminium, copper, and brass
input hopper	MDM2000: up to 250 plates capacity (Ø 0,4 mm/0.0157 in) MDM1000: manual feed - Single Access Point
output hopper	MDM2000: up to 250 plates capacity Options: FIFO (first in – first out) technology or side eject MDM1000: manual feed

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 MDM2000: manages up to 3 different fonts each job
logos	up to 2 at a time, resident in equipment. Max area about 84 cm² / 13 square in
layout 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 AND SOFTWARE

communic. interface	RS232 serial port isolated USB to RS232 converter
protocols	CIM, Xon-Xoff, MultiEmbosser and Pound-Pound
operating system	**PowerTag** PC application proprietary software compatible with Windows 7/8/10
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 downlodable
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)	MDM2000/MDM1000: 630 x 740 x 380 mm / 24.8 x 29.1 x 15 in
weight	MDM2000 57 Kg / 126 lbs - MDM1000 54 Kg / 119 lbs

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

WARRANTY

12 months

VERSATILE - The dot peening technology makes the **MDM2000 / 1000** one of the most versatile marking solutions for metal plates, since it allows total freedom in designing the plate layout.

EASY AND FLEXIBLE - Automatic (**MDM2000**) or manual (**MDM1000**) 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 **MDM2000 / 1000** to easily interface with custom applications.

cim-usa.com

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