



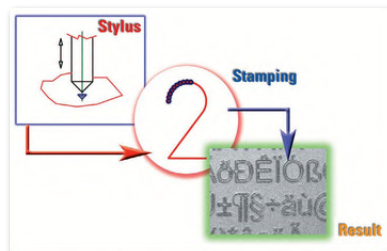
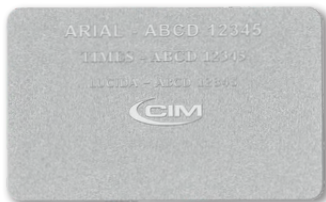
DOT PEEN METAL MARKING SYSTEM: THE MOST VERSATILE MARKING SOLUTION FOR INDUSTRIAL PRODUCT IDENTIFICATION

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.

MDM 2000 is able to manage multiple fonts easily.

It works with up to 3 different fonts.



Up to 250 plates capacity hoppers
input & output



USED BY

- MANUFACTURING INDUSTRY
- LOGGING INDUSTRIES
- LOGISTICS MANAGEMENT
- POWER & UTILITY COMPANIES

- AGRICULTURE
- SHIPYARDS
- STEEL PLANTS
- MILITARY



IDEAL FOR

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

FEATURES AND SPECIFICATIONS

MODEL NAME	MDM1000-2000
PLATE AND FEEDER	
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
Materials	Alluminum, copper, and brass
Thickness	0,4 ÷ 0,9 mm / 0.0157 ÷ 0.0354 in
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

MARKING	
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
Font	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 cm ² / 13 square in
Layout facilities	Fonts and logos can be rotated 90°/180°/270°
Performance	Depending on font and logo size - marking speed 50 dots per second stamping in 'DRAFT' mode increases the speed by 65%

COMMUNICATION AND SOFTWARE	
Interface	Serial Port RS232 – USB to RS232 Adapter (Optional)
Protocols	CIM, Xon-Xoff, MultiEmbosser and Pound-Pound
Operating system	PowerTag PC application proprietary software compatible with
Application software	Windows 8.1/10/11, MacOS (Intel64, da 10.x and latest), Linux Automatic data field; plate archive; DBIII, DBIV, Excel, MS Access file compatibility; self diagnostics, automatic repetition of faulty plate marking, 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

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

CERTIFICATIONS

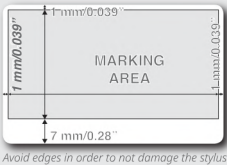





WARRANTY



MARKING AREA



DIMENSION



WEIGHT

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

SOFTWARE

power tag LITE
optional
power tag EVO



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