



IDENTIFICATION SOLUTIONS FOR HARSH ENVIRONMENTS

INDUSTRY: OIL AND GAS

KEYPOINTS

- ▶ Marking safety critical equipment in a harsh environment – oil and gas processing facilities.
- ▶ Embossed metal plates are the best solution when integrity of plate information is crucial.

DECIDING PURCHASING FACTORS

“The capabilities of the embosser as well as the price, lead us to purchase **CIM’s ME1000** over other solutions we researched.”



Machine: ME1000
Character set: Simplex 2



CUSTOMER

Nexen Energy/Nexen NEBC - Canada

CHALLENGE

Nexen Energy needed a solution for tagging all safety critical equipment within their facility, specifically pressure sensitive valves, valves, and regulators.

SOLUTION

CIM’s ME1000 metal plate embossing machine

The ME1000 is an automatic heavy-duty metal plate embosser capable of embossing a variety of sizes and materials of metal plates.

RESULTS

Embossed metal plates were used to tag safety critical equipment for ease and efficiency when obtaining information for repairs and replacing critical parts. Metal plates were embossed with part numbers, serial numbers, and make/model of equipment and affixed using zip ties and cables.



Identify safety critical equipment in harsh environments with embossed metal plates.

YOUR SUPPLY DEPOT LIMITED

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TECHNICAL FEATURES

PLATE & FEEDER

Dimensions	Width: 1.18 - 4.53 in / 30 - 115 mm Height: 0.83 - 3.54 in / 21 - 90 mm
Thickness	0.0157 - 0.0354 in / 0.4 - 0.9 mm
Materials	Stainless steel, carbon steel, aluminium, copper, and brass
Input hopper	ME1000: manual feed - Single Access Point
Output hopper	ME1000: manual feed Options: FIFO (first in – first out) technology or side eject

STAMPING

Technology	Embossing, Indent or Debossing
Drum capacity	60 or 90 slots - 45 slots drum available for special applications
Type set	Many character configurations available:
Embossing	Simplex 2, OCRB1, Block USA, Double Block, etc. - Height: 0.118 - 0.472 in 3 - 12 mm
Indenting	Simplex1, Simplex 2, etc. - Height: 0.039 - 0.157 in / 1 - 4 mm
Debossing	Elite Dog Tag
Embossing Area	From the top edge up to 2.56 in / 65 mm, leaving free 0.157 in / 4 mm at the bottom edge. Reversed character sets are available on request for embossing close to the bottom edge of the tag. Measurements are taken from the base of the character.
Performance	1 plate in 18 sec. (55 characters)

COMMUNICATION INTERFACE & SOFTWARE

Communication Interface	RS232 serial port
Operating systems	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 remake of rejected plates, resettable and non-resettable counters.
Protocol	CIM, Xon-Xoff, MultiEmbosser, Stored Format default, Stored Format Select and Pound-Pound
LCD Edit	Via external keyboard; 20 storable formats downloadable
Data format	50 fields of 42 characters each (Variable, Fixed data, Counters, etc.)

HARDWARE

Power supply	100 - 117 - 220 - 230 or 240 Volts - 50 or 60 Hz
Power consumption	800 Watt max
Operating environment	Temperature: 41 - 104 °F / 5 - 40 °C Relative humidity: 30% - 90% non condensing
Dimensions (WxDxH)	24.8 x 29.1 x 15 in / 630 x 740 x 380 mm
Weight	ME1000 165 lbs / 75 Kg - ME2000 172 lbs / 78 Kg

VARIOUS

LCD display	2 lines by 40 characters LCD display for diagnostic visualization and offline operation
FLASH memory technology	For easy firmware upgrade operation
Other	Lithium back up battery; security operation with key lock; emergency stop red button; machine status indicator lights; near end input / near full output hopper plate sensors for continuous production (ME2000); visual alarm kit for operator alert

RELIABLE & COST EFFECTIVE - Alternative to stamping and dies. EASY & FLEXIBLE - Semi-automatic (ME1000) or automatic (ME2000) loading and unloading has never been easier. Equipped with a unique clamp for plates of most dimensions and materials as well as a large selection of fonts, the METAL EMBOSSERS are designed to meet most requirements in metal plate marking. CIM has developed various command protocols allowing the ME1000 / 2000 to easily interface with custom applications.