



IDENTIFICATION SOLUTIONS FOR HARSH ENVIRONMENTS

INDUSTRY: MANUFACTURING



KEYPOINTS

- ▶ Critical instrumentation had to be clearly and easily identified.
- ▶ Life of the tag in a harsh environment.

DECIDING PURCHASING FACTORS

“I have used CIM embossers in the past at other manufacturing plants and have been very happy with the outcome. When the time came to implement an identification solution at this plant, the choice to go with another CIM solution was an easy one.”



Machine: MDT500 HE
Character set: Simplex 2

CUSTOMER

International Paper.

CHALLENGE

International Paper is a global manufacturer of paper and packaging products. They were in need of a permanent solution for equipment identification throughout their manufacturing plant.

SOLUTION

CIM's MDT500 HE Portable, Automatic Metal Plate Embossing Machine

International Paper used the MDT500 HE to emboss color coded tags for easy, long-lasting identification of critical instrumentation throughout the plant.

RESULTS

Metal tags are embossed with item tag number and equipment settings, and affixed with stainless steel tie wire to instrumentation such as:

- ▶ Transmitters
- ▶ Pressure switches
- ▶ Control valves
- ▶ Meters



YOUR SUPPLY DEPOT LIMITED

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TECHNICAL FEATURES

PLATE & FEEDER

Dimensions	1.12" x 2.50" and 1.25" x 2.25"
Materials	Stainless steel, aluminum
Thickness	Dog Tags: 0.3556 - 0.4572 mm / 0.014 - 0.018 in Medical Alert Tags: 0.6604 - 0.8128mm/0.026 - 0.032 in
Input hopper	Up to 120 plates capacity (0.4 mm / 0.0157 in)

MARKING

Technology	Embossing or debossing
Drum capacity	60 slots
Type set	Simplex 2, Elite Dog Tag, Block USA, Block 5, OCRB1
Embossing area	5 lines/15 characters (Elite 328 Dog Tag)
Performance	Up to 135 tags per hour (5 lines - 45 characters)

COMMUNICATION & SOFTWARE

Interface	RS232 serial and USB 2.0 port
Software	Linux based self enclosed software Optional: Blade PC application proprietary software Windows / XP / Vista / 7 Optional: Blade USB on U3 USB key for multiple use
Direct control	CIM, Xon-Xoff, MultiEmbosser, Stored Format default, Stored Format
Protocol	Selected and Pound-Pound: for internal application development

HARDWARE

Power supply	Universal switching power supply 100-240 Volts; 50 or 60 Hz
Power consumption	300 W max
Operating environment	Temperature: 5° ÷ 40°C / 41° ÷ 104° F Relative humidity 30% ÷ 90°
Dimensions (WxDxH)	486 x 496 x 270 mm / 19.15 x 19.64 x 10.64 in
Weight	24 Kg / 52 lbs

VARIOUS

LCD display	Innovative backlight LCD 320x180 display with high readability and reversed characters for direct sun view
Others	Built in keyboard Easy to carry handle Interchangeable input hopper for easy charge and discharge of medical alert & dog tags Multilingual menu: english, spanish, italian

The automatic MDT 500 HE has been designed as the ideal no hassle solution for low to medium tag volumes. The machine is able to emboss or deboss up to 100 tags per hour. The unit weighs 24 kg, making it a compact, rugged, all inclusive, designed and built by CIM, the number one US Army supplier with quality steel materials to ensure years of trouble free service.

The MDT 500 HE comes with an integrated Linux based CPU that allows the machine to work completely stand alone.