



IDENTIFICATION SOLUTIONS FOR HARSH ENVIRONMENTS

INDUSTRY: POWER PLANT

KEYPOINTS

- ▶ Identifying equipment in a harsh environment – liquefied natural gas power plant.
- ▶ Long lasting identification – embossing on metal plates makes them virtually indestructible.



DECIDING PURCHASING FACTORS

“The **MDT500 HE** is ideal for our application based on its features. Also, other business units in our company had already been using the **MDT 500** and gave high recommendations”



Machine: MDT500 HE
Character set: Simplex 2

CUSTOMER

Dominion Power – Maryland Location

CHALLENGE

Dominion’s liquefied natural gas power plant was in need of a solution for identifying process equipment within the facility with critical information such as functional location specifically for valves, breakers, and relief valves.

SOLUTION

CIM’s MDT500 HE, portable automatic metal plate embossing machine

Metal tags are embossed and attached to process equipment using stainless steel braided wire crimped.

RESULTS

This power plant was able to efficiently produce long-lasting metal plates, embossed with vital information in order to identify equipment to provide and maintain a safe working environment.



Embossed colored anodized aluminum tags for easy plant asset identification.

YOUR SUPPLY DEPOT LIMITED

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TECHNICAL FEATURES

PLATE & FEEDER

| | |
|--------------|---|
| dimensions | 1.12" x 2.50" and 1.25" x2.25" |
| materials | stainless steel, aluminum |
| thickness | 0.014 - 0.018 in / 0.3556 - 0.4572 mm and 0.026 - 0.032 in / 0.6604 - 0.8128mm |
| input hopper | up to 120 plates capacity (0.0157 in / 0.4 mm) |

MARKING

| | |
|----------------|---|
| technology | Embossing or debossing |
| drum capacity | 60 slots |
| type set | Simplex 2, Elite Dog Tag, Blocco USA, Blocco 5mm, 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, MultiEmboss, 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: 41°-104° F / 5°- 40°C relative humidity 30% - 90% non condensing |
| dimensions (WxDxH) | 19.15 x 19.64 x 10.64 in / 486 x 496 x 270 mm |
| weight | 52 lbs / 24 Kg |

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 |

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 52 lb, making it a compact, rugged, all inclusive, designed and built by CIM, 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.

