

METAL PLATE  
EMBOSSER

**MATICA**  
TECHNOLOGIES



C410



  
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# C410

## METAL PLATE EMOSSER

The C410 electronic embosser has been specifically engineered for heavy duty and continuous production. It is a strong, reliable system ready to emboss plates and can handle a huge variety of sizes, materials, shapes and thicknesses.

### AUTOMATIC UNIVERSAL FEED

The C410 comes equipped with an integrated, manually adjustable universal automatic plate feeder that holds up to 350 plates (0.50 mm thickness). The C410 is particularly suited for continuous medium to high volume production process. Due to the manually adjustable plate feeding mechanism, the C410 can easily accommodate plates of various sizes and shapes and can be efficiently used to emboss different identification plates within the same production facility. Once embossed, plates can either be placed in an external collection box via a side eject mechanism or stacked in an optional available FIFO output stacker.

### HEAVY DUTY EMOSSING MECHANISM

The C410 provides a heavy duty embossing mechanism which includes a powerful high torque motor, high percussion embossing arm, hardened drum and special hardened fonts to tackle the hardest jobs. The C410 is designed for the personalization of plates of various materials and thicknesses including steel, iron, aluminium, bronze and more showing results that meet the highest standards of quality.

### SIDE-EJECT OR FIFO OUTPUT STACKER

The C410 is also equipped with a side-eject system with an external plate collection tray. This is particularly designed for those jobs where plate sizes and shapes frequently change. However, for larger volumes of a specified plate size, an optional FIFO stacker elevator mechanism is available. This option includes a time saving sensor which prevents machine operation when the FIFO stacker is full of embossed plates.

### MANUAL FEED

The C410 MF is a new version of the C410 metal embosser created for special needs and product customization. The metal plate is loaded and, after the embossing, removed manually from the clamp on the C410 MF.

## TECHNICAL SPECIFICATIONS

### Productivity (40 ch/plate)

Up to 350 plates/hour  
Recommended operating time: 16 hours/day, max. 24 h

### Plate Handling

Input hopper capacity: 350 plates (0.5 mm thickness)  
Input hopper height: 185 mm  
Side eject or optional automatic variable FIFO output stacker  
Plate thickness: from 0.4 to 0.9 mm

### Plate Personalization

Minimum plate dimensions (L x W): 50 mm x 20 mm  
Maximum plate dimensions (L x W): 120 mm x 90 mm  
Maximum embossing area (L x W): 120 mm x 80 mm  
Minimum embossing area (L x W): 50 mm x 16 mm  
Non embossing area: 4mm from the bottom of the plate

### Embossing Drum Configuration

Embossing drum:  
60 or 100 characters (special drums available upon request)  
Major available type (alphanumeric):

- Simplex 2 (350) - 3mm
- USA Block (490) - 4mm
- Block (488) - 5mm
- Double Block (511) - 6mm (50 characters drum)
- Double Long Block (611) - 8mm (50 characters drum)
- Maxi Block (711) - 12mm (50 characters drum)

### Communication Interface

RS232 serial port  
LAN - Ethernet (option)  
Protocol: Xon/Xoff, Pound Pound, Multiembosser, Euro2, SEP

### Software

Maticard 3 for Windows® (XP/7/8)  
Diagnostic and setup software

### Other Features

Key-lock security feature  
LCD display (40 x 2) + 3 function keys  
PC keyboard  
Upgradeable firmware: via PC on Flash EPROM

### Dimensions & Weight

L x W x H: 91 x 60 x 42 cm  
Weight: 70 kg

### Electrical Requirements

Power supply: 100 to 240 VAC (+/- 10%); 50/60 Hz (+/- 3 Hz)