

Identification Systems

M-BOSS LITE  
MBHL20X90

M-BOSS Lite

Professional identification solutions for  
hazardous environments

**HellermannTyton**

# M-BOSS Lite Printer

## M-BOSS Lite

### Features and Benefits

M-BOSS Lite is the ideal stainless steel marker plate embossing printer for low to medium volume users. Printing speed is very quick;

- MBML10X45 printed with 8 characters in under 10 seconds
- MBML20X90 printed with 69 characters in less than a minute

The printer is small enough to install in most premises as it is desktop in size, uses a standard electrical supply and only weighs 35kg. The supplied software is quick to load and easy to use.

The marine grade stainless steel marker plates are designed to survive in harsh and hazardous environments where wind, wave and salt spray conditions are an important factor. M-BOSS Lite is used for identifying pipes and cables in Offshore Platforms, Refineries, Floating Production Storage-Offloading (FPSO), as well as Rail Infrastructure, Utilities, Food, and Solar Farms.

HellermannTyton provides arrange of premium quality cable ties to fix the embossed marker plates. Simply use 4.6mm width MBT cable ties and a MK9SST hand tool to securely fix the marker plate to the cable.

The printer is delivered with the following 42 piece 4mm character set:

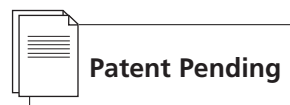
**Letters:** A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

**Numbers:** 0 1 2 3 4 5 6 7 8 9

**Symbols:** & - / . , ' "



Space-saving and easy to use: M-BOSS Lite stainless steel embossing system.



### Material Data M-Boss Machine

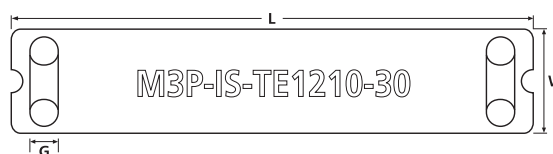
Power Supply	<b>230 Volt/50 Hz</b>
Cycle Time	<b>Just over 1 second per character</b>
Weight (Kg)	<b>35 kg</b>
L x H x W	<b>650 x 500 x 260 mm</b>



Identification for hazardous environments: M-BOSS Lite stainless steel markers.

### Material Data M-Boss Marker

Material	<b>Stainless Steel Type SS316 (SS316)</b>
Operating Temperature	<b>-80 °C to +538 °C</b>



### Technical Table

Article-No.	Type	Pack Cont.	Strap Width max. (G)	Number of characters	Width (W)	Length (L)
540-20000	<b>M-BOSS Lite</b>	1	4.6	–	260	650
540-20005	<b>MBML10X45</b>	1000	4.6	8	10	45
540-20004	<b>MBML10X90</b>	500	4.6	23	10	90
540-20002	<b>MBML20X45</b>	1000	4.6	24	20	45
540-20001	<b>MBML20X90</b>	500	4.6	69	20	90

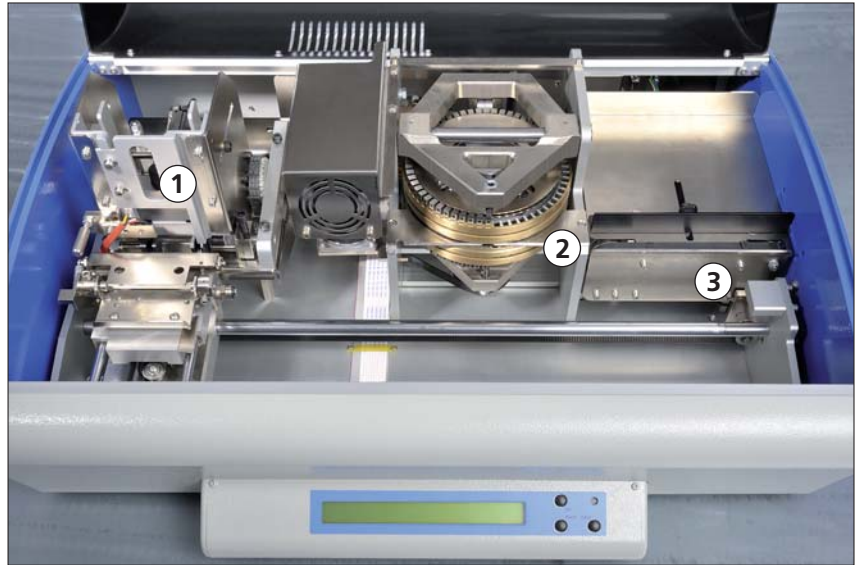
All dimensions in mm. Subject to technical changes.



## M-BOSS Lite

The simple solution to your small volume embossing needs is done in 4 steps; (1) feeding, (2) embossing, (3) marker ejection, and finally marker collection. The markers are easily removed from the collection tray to the right of the machine and can then be used to fix with stainless steel cable ties.

The 3 production steps are easily seen from the picture on the right and these are;



*The inside of M-BOSS Lite as overview.*



*The feeder.*

- ① The especially engineered feeding system ensures that markers are located easily and accurately every time. Each marker has a notch on both sides and this makes it easy for the user to line up the markers to the location post. When a printed marker is needed, the marker is presented to the gripper so that it can be picked and moved to the embossing drum.



*The drum.*

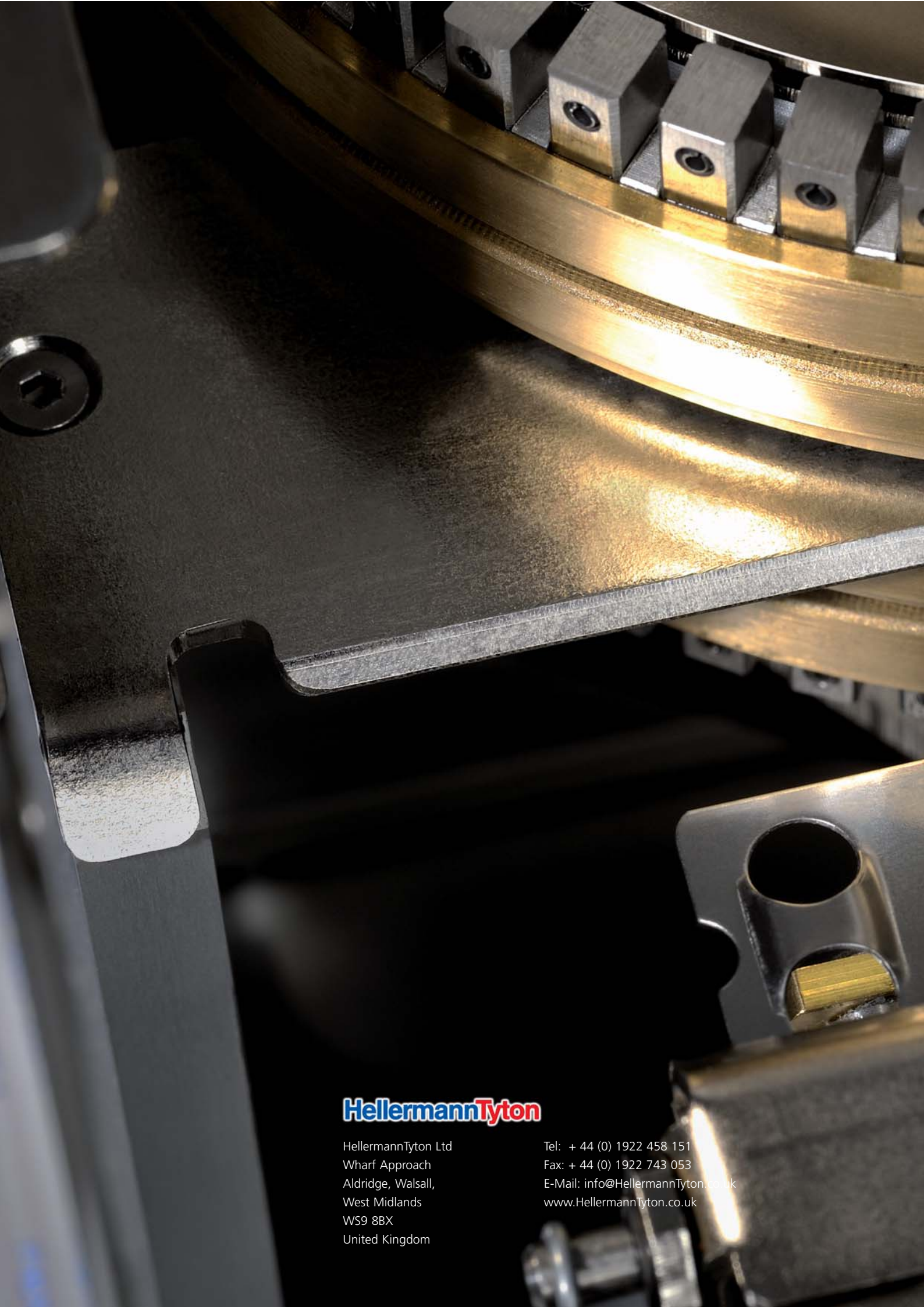
- ② The embossing drum houses 42 characters made up of a male and female punch for each character. Embossing is done when both the male and female punches meet the marker and this creates the desired character. A maximum of three lines of text can be printed on each marker; the 45mm version will hold 8 characters per line, and the 90mm version will hold 23 characters per line.



*The ejector.*

- ③ The embossed marker is taken over to the ejection area and the marker is dropped onto a conveyor belt which takes the marker out of the machine into a collection unit ready for use.

**The recommended annual usage of M-BOSS Lite is 15000 markers. For volumes between 15000 and 40000 markers per year, we recommend our volume production unit M-BOSS. (UNS: 540-10000)**



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