TECHNICAL INFORMATION

Micro-percussion marking

The principle of micro-percussion marking is based on indenting the material with an oscillating stylus. Micro-percussion marking can be carried-out on all types of material up to a hardness of 60 HRC : treated or untreated metals, plastics, wood...

Technical description

- Electromagnetic marking tool EM 11 with tungsten carbide point
- 105 AT PC keyboard
- Battery pack with rapid charger allowing operation up to 45min, with a 1 hour recharge time
- Dimensions (without handle): l=350mm, w=240mm, h=200mm ;
- Weight : 4.5kg

Marking possibilities

- Marking zone: 60x40 mm
- Character size: From 1 to 30mm (increasing every 0,1mm)
- Available fonts and logos: point separated or 5x7 matrix, CE mark
- Linear, angular or radial with options to invert, mirror or reflect text

Functions of the software

- To create and save marking files (up to 500 files) with external keyboard
- Ability to mark with mini integrated keypad
- Marking simulation
- Centring, compression, inclination, character spacing
- Programming of variable data: Date and time (date, time, week), incrementing serial numbers, batch numbers and shift codes...

Environment

- Electric supply 24V DC +/- 10%. supplied with the machine:
  - Either waterproof supply 230V AC / 24V DC - 3A
  - Or waterproof supply 115V AC / 24V DC - 3A
- Power of the marking gun : 80 W
- Operating temperature: from 5 to 40°C.

Standards complied to

- Council Directive "Machinery" 89/392/CEE
- Council Directive "Electromagnetic Compatibility" 89/336/CEE
- Council Directive "Low Voltage" 72/23/CEE

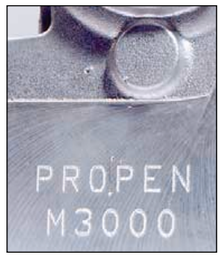
Optional extras

- Spare batteries and rapid chargers
- PW03 Program under Windows® + RS 232 cable allows the downloading of marking files which have been created on a PC
- Flat or V-shaped attachments for locating machine.

®Windows is a trade mark of MICROSOFT Corp. USA.

Marking on aluminium

Marking after surface treatment



Font "Point separated"

Font "5x7 Matrix"

Distributor

PRO PEN
TRACEABILITY • IDENTIFICATION

www.pro-pen.com

M 3000

THE HANDY MARKING SOLUTION

For the identification and traceability of parts which are large, heavy, or in areas difficult to reach.

PRO PEN
TRACEABILITY • IDENTIFICATION

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M 3000

PROPEN
TRACEABILITY • IDENTIFICATION

ERGONOMIC and EASY TO USE

READY TO USE:
The M3000 marking gun comes supplied with a battery pack and can be used immediately. Its' clearly illustrated CD-ROM manual makes the M3000 simple to use.

USER-FRIENDLY:
The integrated marking software is very easy to program and adapt to your marking requirements. Its' simplicity allows many operators to use the equipment without in-depth training.

ERGONOMIC:
Its' ergonomic design makes the M3000 suitable for left and right-handed people. A balancing hook is also designed as standard.

LOW COST

LOW MAINTENANCE:
The robust and reliable mechanics of the M3000 marking gun requires little maintenance.

COST EFFECTIVE:
Compared to other marking technologies, the M3000 requires no additional consumables. It is therefore the most cost effective marking system to run.

TOTALLY MOBILE

INDEPENDENT:
The M3000 does not require a PC. The M 3000 marking gun is equipped with a screen, keyboard, and integrated software, making it **totally independent**. Plug-in the keyboard, program your file and mark your product !

OPTIONAL POWER SUPPLY:
The M3000 is powered by a Ni-Cd battery. Alternatively, the M3000 can be powered directly from the mains supply if required.

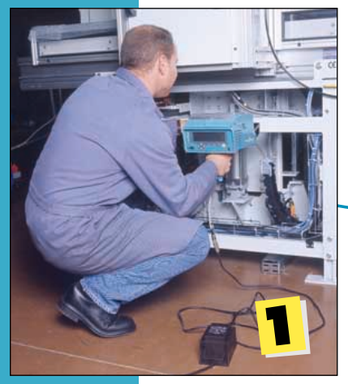
ENTIRELY MOBILE:
Because the electronics are fully integrated within the M3000, the unit is self-contained, and therefore allows the operator to select and mark programs **anywhere** in the workplace.

VERSATILE

WIDE RANGE OF APPLICATIONS:
Its' multi-purpose tooling allows horizontal or vertical marking. Moreover, customised tooling can easily be designed and fitted to the M3000 to adapt it to all your components.

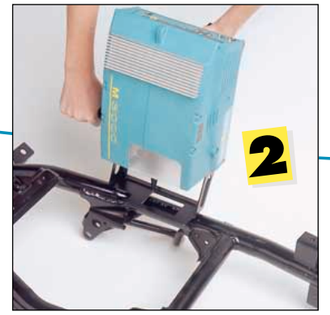
A LARGE DIVERSITY OF PARTS:
The machine allows the marking of parts with different surfaces : cast or machined surfaces, flat, concave, convex or circular.

ONLY ONE MARKING TOOL:
The same marking tool gives permanent and indelible mark on metals, plastics, grp, wood or other materials.



ASSEMBLED COMPONENTS

CURVED SURFACES



ASSETS TRACKING

FLAT SURFACES

RAW MATERIALS