

# M 3000



## Pneumatic or electromagnetic mobile machine

### 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:

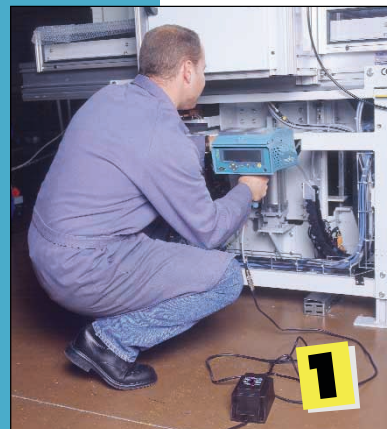
Its' multi-purpose tooling allows horizontal or vertical marking. Moreover, customised tooling can easily be designed and fitted to the M3000 to adapt it to all your components.

#### A LARGE DIVERSITY OF PARTS:

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

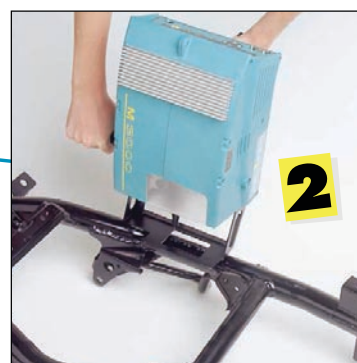
#### ONLY ONE MARKING TOOL:

The same marking tool gives permanent and indelible mark on metals, plastics, grp, wood or other materials.



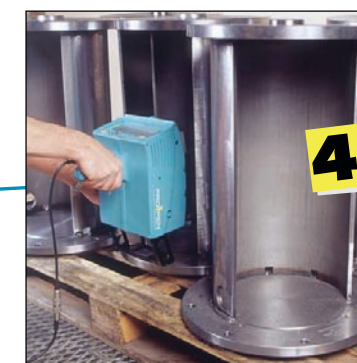
ASSEMBLED COMPONENTS

#### CURVED SURFACES



ASSETS TRACKING

#### FLAT SURFACES



RAW MATERIALS

# 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

- 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

- Power: 110VA; Operating temperature: 5 to 40°C.
- Compressed air supply (pneumatic version only):
- Air pressure 5,5bar nominal/80PSI
- Ø 1/8" pneumatic female gas connector

### 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
- PW02 and PW03 Program under Windows®
- Docking station to mark small parts and tags
- Color-ribbon feeder
- Soundproof plate holder and magnetic clamping device.

\*Windows is a trade mark of MICROSOFT Corp. USA.

Marking on aluminum



Marking after surface treatment



Font "Point separated"



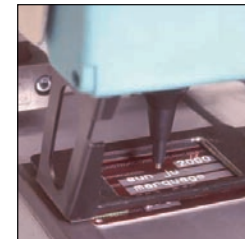
Font "5x7 Matrix"



Column frame for marking small parts



DAR 3000  
Color-ribbon feeder

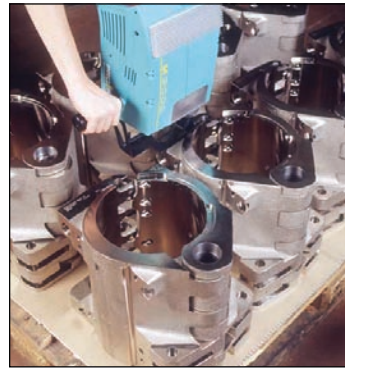


Tag marking



# M 3000

## THE HANDY MARKING SOLUTION



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



[www.pro-pen.com](http://www.pro-pen.com)



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