

PROVIDING TOTAL MARKING SOLUTIONS

- **For Traceability**
- **Serial nos**
- **Identification**
- **Part nos**

- Independent** ●
- Easy to use** ●
- Versatile** ●
- Robust** ●



www.pro-pen.com

M 3000

Pneumatic or electromagnetic mobile machine

ERGONOMIC

The M3000's **well balanced design** makes it easy to use. The handle can be positioned for left or right handed operation. A balancing hook is also designed as standard. Because the M3000 can be

powered by a Ni-Cd battery, this allows the operator to select and mark programs anywhere in the workplace.

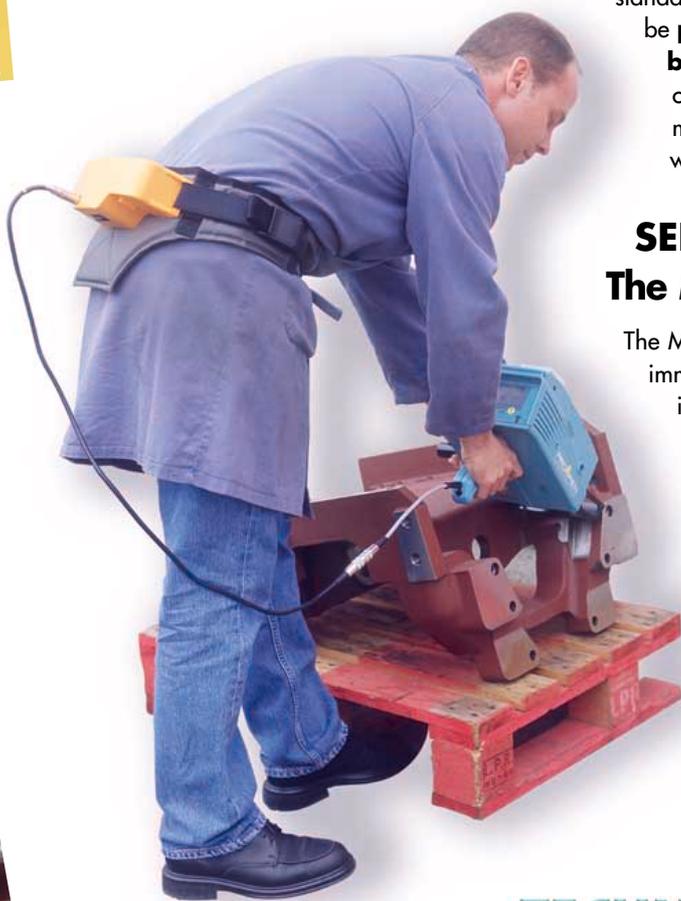


SELF-CONTAINED : The M3000 does not require a PC

The M3000 comes supplied with everything required for immediate operation. The integrated marking software is **user-friendly** and allows the operator to select files using the built-in mini-keyboard and LCD screen, making it **totally independent**.

VERSATILE

The machine can mark parts with different surfaces: cast or machined, flat, concave, convex or circular. **The same marking tool** gives a permanent and indelible mark on metals, plastic, grp, wood or other materials.



TECHNICALS CHARACTERISTICS

Main characteristics:

Marking window: 60x40mm
Character size: From 1 to 30mm (in steps of 0.1mm)
Dimensions (without handle): L = 350mm, W = 240mm, H = 200mm
Weight: 4.5kg

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

Directive « Machine » 89/392 EEC
Directive « Electromagnetic compatibility » 89/336 EEC
Directive « Low Voltage » 73/23 EEC



APPLICATIONS

Fixed assets marking and inventory control



In many businesses, **industrial** (construction industry, navy, aircraft industry...), **material renting** (computers, agricultural materials, events arrangement) and **organisation** (schools, city halls, ministries), identification and **fixed assets** marking are absolutely necessary to manage **inventories** and to **track equipment**, from purchase to maintenance until reject. This identification is also useful to **prevent robbery** where the material is stocked or assigned.

If achieved with labels stuck or riveted on the product, these can **wear out**, come **unstuck** or be **destroyed** because of chemical or mechanical stress. This identification is therefore not permanent and is expensive because of the cost of consumables.

In order to answer the need for permanent **direct part marking** without consumables, the mobile machine M3000 is a **cost effective** solution to make marks that are **indelible**, clear and precise on **metal and plastic** materials up to 62 HRC hardness.

This **user-friendly** machine is **versatile** : The data can be downloaded from a bar code reader or programmed directly with a keyboard : the creation of marking files (text and logos) is **fully integrated** in the machine that can **automatically** update variable data (serial numbers and dates) that will be necessary for fixed assets identification.



MICRO-PERCUSSION MARKING



The principle of micro-percussion marking is based on making indents in the material using a vibrating tool. The marking can be carried out on all types of material up to a hardness of 62 HRC: treated or untreated metals, plastics, wood etc... The single marking tool creates permanent markings that are aesthetic and indelible. Due to its design, the marking tool creates low stress in the materials and can mark parts or tags whatever their thickness (from 0.5mm).

Compared to other marking technologies this technology requires no additional consumables. It is therefore the most cost effective marking system to run.



ACCESSORIES



Bar code reader



Battery and rapid charger



Column frame for marking small parts
Reference 2543



Spare points
with different
sharpening angles

P 3000

Pneumatic or electromagnetic column frame machine

READY and EASY TO USE

With its screen, keyboard and integrated software, PRO-PEN 3000 is completely **independent** and reduces marking errors. You can use the machine as soon as you switch it on since it does not require an additional computer. Delivered with a set up CDROM including digital user manual and training video, the machine is **easy to install** and operate.



ECONOMICAL AND ROBUST

Optimised 'cost/productivity/marketing quality' ratio
Unlike embossing and hand stamp marking, micro-percussion technology requires no additional consumables, making it very **cost effective**. Moreover, this industrial machine was developed with **efficiency and productivity** in mind. Hard wearing and **robust**, it is very easy to maintain.

FAST AND ADAPTABLE

The marking tool vibrates quickly and can mark up to **5 characters** per second depending on their size. The PRO-PEN 3000 can also mark on to parts of different heights: **up to 300mm** due to its simple manual Z axis.

TECHNICALS CHARACTERISTICS

Main characteristics

Marking zone: 100x100mm
Character size: From 1 to 80mm in steps of 0.1mm
Height of the part to be marked: up to 300mm
Dimensions: L = 420mm, W = 270mm, H = 740mm
Weight: 28kg
Standard marking tool: PN12 or EM11

Environment

Electrical supply: 110/240V single phase
Power: 120 W, frequency: 50 to 60Hz
Operating temperature: 0 to 45°C
Compressed air supply (pneumatic version only):
Air pressure 6 bar nominal / 87 PSI
Ø 1/8" pneumatic female gas connector

Standards complied to

Directive « Machine » 89/392 EEC
Directive « Electromagnetic compatibility » 89/336 EEC
Directive « Low Voltage » 73/23 EEC



APPLICATIONS

Marking cylindrical parts



DP 3000

OPTIMISED PRODUCTIVITY

The DP3000 rotary axis has an adjustable rotating speed (**5 to 30 tr./min**), which can be adapted according to the size of the part that you wish to mark (maximum inertia **50kg/cm²**). In this way, whatever the part to be marked, you can always ensure the optimisation of productivity to your equipment.



SIMPLICITY : NO PC required

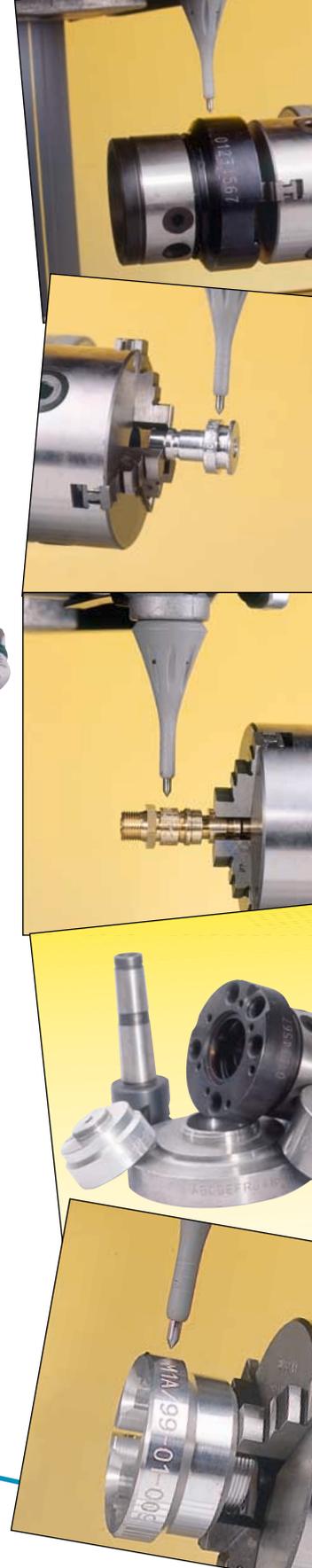
By using the **internal software** of the machine, the DP3000 is very simple to program. This **user-friendly and versatile** software allows you to easily achieve the desired marking for all your parts **without the need for a PC**.

NUMEROUS POSSIBILITIES

The DP3000 is very flexible. Due to its hollow chuck and its internal (**23 to 98mm**) and external (**3 to 76mm**) clamping, the DP3000 allows a wide range of parts to be marked. The parts can be marked either around the axis or along the axis and for this reason it is easily adaptable to your marking requirements.

COMPLETE PACKAGE

The motorised rotary axis is delivered as a complete package. Due to its **set up CD-ROM**, you can install it on your P3000 machine within a few minutes. Its small size (**L = 218mm, W = 184 mm, H = 153mm**) and low weight (**5kg**) makes it easy to remove from the table to mark all kinds of parts.



ACCESSORIES



Reference **2502**
Industrial footswitch



Reference **2501**
Single tank air filter



Reference **2515**
Double tank air filter



Reference **25051**
Standard footswitch



Reference **2506**
Control panel



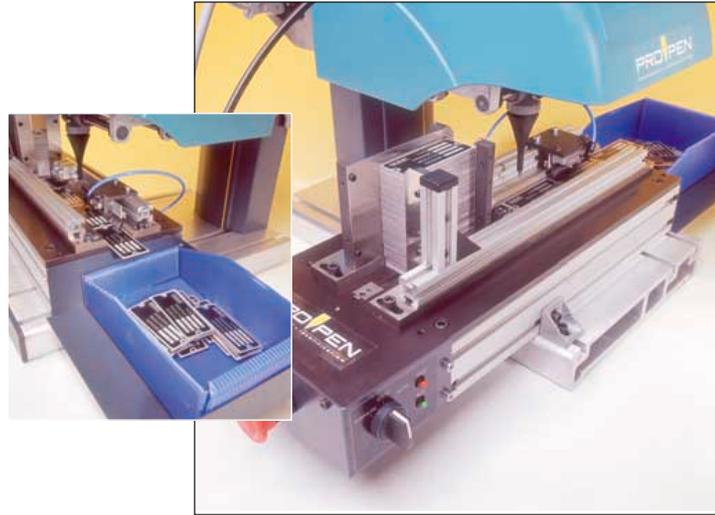
Reference **2503**
Marking tool PN22



Reference **2540**
De-oiler air filter

TAG 3000

Automatic identification plate marking



INDEPENDENT

This system is **directly connected** to the P3000 and does not require an additional computer. It expands the standard functions of the P3000 machine and will permit the **automatic** feeding, marking and ejection of identification plates without an operator (**Chimney height: 100mm**).

EASY TO ADJUST

The TAG 3000 will accept a wide variety of plates. It is very easy to change the format (Plate format: **20x20 - 98x98mm**) of the plate and to adjust for different sizes and thicknesses (Plate width: **0.6 - 2mm**).

FLEXIBLE

The TAG3000 is small (**LxWxH = 71x20x17cm**), which makes it easy to handle and to install on the P3000. When removed from the machine, it is possible to mark all types of metal and plastic parts up to 300mm height.

FILE MAN

Standard integrated software

P3000 and M3000 marking machines are equipped with a built-in LCD screen and external keyboard.

The integrated software in both machines is very **easy to program and adapt** to your marking requirements. Its simplicity allows many operators to use the equipment without in-depth training.

Main Functions of the integrated software provided as standard

Creation and back up of marking files (up to 300 files) with external keyboard

Marking simulation

Programming of variable data:

Date and time (date, time, week), incrementing serial numbers, batch numbers and shift codes...

Linear, angular or radial marking

Centring, compression, inclination, character spacing

Special marking (inverted, mirrored or reflected text)

Geometrical shapes (circles, lines, squares...)

Several standard fonts: continuous line (Pneumatic only), Points separated, 5x7 Matrix

Standard logo : CE Mark Logo

Bar code reader connexion for data Reception and marking (optional)



SAFE LOAD & INSPECTION RECORD				
Max. Safe Load		7 500		
Per Dwg. No.		xx 353		
Inspection Frequency		30		
Date Inspected	Next Due Date	Safety Inspected	Date	de tiv
01/01/99	01/02/99	Y	01/02/99	
02/02/99	02/03/99	Y	02/03/99	
03/03/99	03/04/99	Y	03/03/99	
04/04/99	04/05/99	Y	04/04/99	

P 3000 T

Manual feeding tag marking device



COST EFFECTIVE SOLUTION

This **low-cost option** expands the standard functions of the P3000 to allow one-by-one tag and nameplate marking. Due to its soundreducing plateholder and its patented magnetic clamping system, it is possible to mark all shapes of tags and nameplates (**rectangular, rounded, squared...**) in metal or plastic, provided that their size is bigger than **5x10mm** and their thickness greater than **0.5mm**.

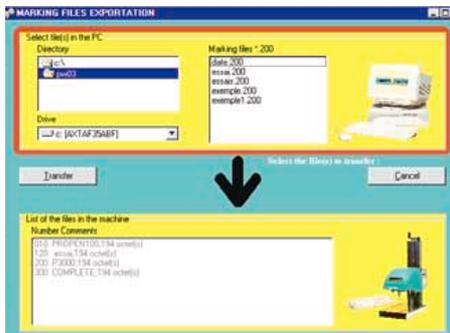
It also allows to mark all types of parts (tools, mechanical parts, keys...).

CONSISTENT AND AESTHETIC MARKING

The **single marking tool** will produce very high legibility and **permanent** marking. It permits the marking of variable character heights (**between 1 and 80mm**), as well as logos. Moreover, the low-impact micro-percussion marking will not deform the plates.



MANAGEMENT



Optional Windows® Enhanced softwares

Software's Environment: Windows® 3.1, 95, 98, 2000 and NT

PW02: Windows® file Backup software

Functions:

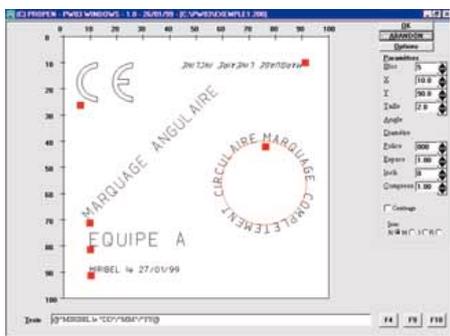
- File transfers from the PC to the machine
- File transfers from the machine to the PC

PW03: Complete marking software

Functions:

- Screen Preview before Marking (WYSIWYG)
- Logo capabilities: conversion and downloading of .dxf and .plt logos into the machine
- Marking assistance: Several help keys are available (positioning, simulation, text parameters...)
- Unlimited number of files
- Password control: To limit access to menus
- File transfer: When created on the computer, the software enables you to download the files in the machine and then work independently

Windows® is a registered trademark of Microsoft Corp. USA



SERVICES

Servicing kits

Routine servicing of your equipment will increase its life span and ensure greater reliability. PRO-PEN offers various servicing kits depending on your requirements and the way you use it.

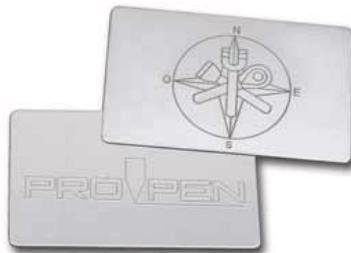
Our repairs and revision kits are all done by our inside skilled technicians, which guarantees a high level of quality. A complete diagnostic report is sent with each machine that is repaired.

Servicing kits	Platinum	Gold	Silver
Reference	2676	2675	2674

Design of logos

PRO-PEN offers to create and download into your machine, P3000 or M3000, a customised logo. This will allow you to mark the parts you manufacture with your company logo, therefore improving the quality of your product identification and to facilitate customers logos.

Customised logo	Ref 2514
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Spare parts

To respond quickly to your needs, PRO-PEN keeps in stock all the necessary spare parts that are available for immediate despatch.



Worldwide sales network



PRO-PEN guarantees a worldwide technical support close to your application, with the assistance of 8 subsidiaries and more than 120 qualified distributors ready to offer you a quick response to your request.

For more information contact us

Distributor



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