

# Stylus Marking

**The PRO-PEN 3000 Marking System engraves alpha/numeric and graphic elements on a wide variety of surfaces and materials**



The PRO-PEN 3000 micro-percussion marking system is self contained. It provides marking for traceability, certification, identification, serial numbers and more.

## **About The PRO-PEN 3000**

### ***A Single System For All Your Marking Needs***

The stylus creates permanent markings that are neat, clear and precise. It's capable of aesthetic and indelible marking on metals, plastics, and any surface capable of retaining an indented mark. The one stylus can mark letters, numbers and logos.

### ***Economical — Self Contained***

Unlike emboss and stamp marking, stylus micro-percussion technology requires no additional consumables. It's the most cost-effective marking system available on the market offering high productivity and marking quality.

### ***Reliable***

Its integrated marking program ensures ease of use and produces faultless marking.

### ***Ready-To-Use***

The PRO-PEN 3000 comes with everything required for immediate use. A user-friendly technical manual and training video make it easy to install and operate.

### ***Fast —***

#### **1 to 5 Characters Per Second**

The marking stylus vibrates from 80 to 300 times per second (depending on font). It can mark between 1 and 5 characters per second — depending on the character size and the stylus tool used.

### ***Independent —***

#### **No PC Required**

The PRO-PEN 3000 is completely independent with its own screen, keyboard and integrated software. It's available for use the instant you switch it on and doesn't require an additional computer.

### ***Low Maintenance***

PRO-PEN 3000 is an industrial marking machine developed for efficiency and productivity. The robust mechanism requires little maintenance, and the hard-wearing stylus lasts a long time.

### ***Compact And Mobile***

PRO-PEN's small size and light weight makes installation easy. It can be mounted on a workbench, or moved about the plant by just one person.

### ***Adjustable —***

#### **Marks Materials of Different Thicknesses**

Capable of marking objects from 0.04 to 11.8 inches thick (up to 11 inches with the optional electro-magnetic clamping plate), the PRO-PEN 3000 can mark a wide variety of objects.

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500 Clark Avenue, St. Louis, Missouri 63122-6401  
Call us Monday through Friday between 7 am and 4 pm Central  
314 / 821-3135 or toll-free 1-800 / 325-9474  
Fax 314 / 821-0343, <http://www.wagnerengraving.com>

# PRO-PEN 3000 Micro-Percussion Marking System

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## Very Low Noise

The electrically powered version produces very little noise, making it suitable for all working environments where ambient noise levels are a concern.

## Power Source Options

The PRO-PEN 3000 comes in two versions:

- All-electric
- Electro/pneumatic

The all-electric version is easy moved about the plant, requiring just an electric outlet. The electro/pneumatic version only needs simple shop air in addition to electricity.

## Surfaces Marked:

- Flat
- Curved
- Round\*

\*Requires optional third axis drive.

## Specifications

### Micro-Percussion Marking

The principle of micro-percussion marking is based on producing small indentations in a surface with a vibrating stylus. The stylus is moved, while vibrating, in the pattern of the information to be marked, whether it be text, numbers or logo art. Sometimes called incise marking, this technology is similar to dot matrix printing and will not weaken the material being marked, regardless of its thickness.

All materials not harder than 62 HRC can be marked with the PRO-PEN 3000

### Marking Possibilities

- Marking zone 4 X 4 inches
- Material (object) thickness up to 11.8 inches (11 inches with optional electro-magnetic clamping plate)
- Character size from 0.02 to 3.15 inches in increments of 0.004 inches
- Available fonts are standard, point separated, 5 X 7, CE logo
- Linear, angular and circular marking

- Special markings – reversed, mirrored, reflected
- Formattings – centering, compressing, italic and character spacing
- Dates, times, batch and serial numbering, and logotypes

### Operating Requirements

- Electric supply: 115 or 240 VAC, 50 or 60 Hz, as required
- Power consumption: 120 watts
- Operating environment: 32 to 113°F, 0 to 90 percent RH, non-condensing
- Stylus requirements:
  - All-electric - stylus EM11
  - Electro/pneumatic - stylus PN12
- Air supply (electro/pneumatic version only):
  - 87 psi
  - ½ female NPT connection

### Dimensions

- Length: 16 ½ inches
- Width: 10 ½ inches
- Height: 29 inches
- Weight: 64 lbs.

### Council Directive Standards

- «Machinery» 89/392/EEC
- «Electromagnetic Compatibility» 89/336/EEC
- «Low Tension» 73/23/EEC

### Options

- Single or double air tank filter
- Pneumatic styli PN12 and PN22
- Feeler gauge set
- Standard or industrial foot pedals
- Control panel
- Soundproof nameplate holder
- Magnetic clamping plate
- Third axis drive
- Computer interface with software for Windows® and RS-232 connection cable

Windows® is a registered trademark of Microsoft Corporation.



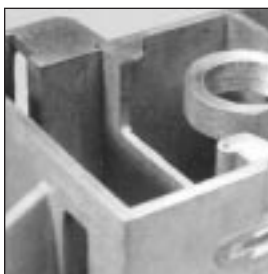
Manual and video speeds the training process.



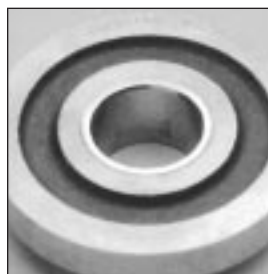
Built-in display has easy-to-read prompts.



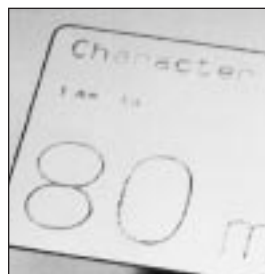
Stylus marking provides permanent identification.



PRO-PEN 3000 makes marking difficult parts easy.



Stylus marks part numbers on an arc.



Micro-percussion characters are easy to read.

500 Clark Avenue  
St. Louis, MO  
63122-6401  
314 / 821-3135,  
800 / 325-9474  
Fax 314 / 821-0343

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**WE**  
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