



PANOPTICUM

Plug-in for Adobe® Photoshop®

PANOPTICUM

Engraver

Version 1.0





Introduction

We are very happy to present you our Panopticum Engraver plug-in module for Adobe Photoshop. This module is compatible with other graphics editors that support Adobe Photoshop additional modules' standard. The main destination of our module is cutting through images with thin lines that will form a geometric pattern. The thickness of lines will change depending on the initial image under the lines. Here are only some of the examples of what you will be able to do using our powerful and universal module

Only some of the examples Panopticum Engraver:

- make black-and-white or colored printout of the primary image;
- cut through the image on alpha channel;
- use various geometric patterns for image shading;
- create cliches for offset printing.

As a basis of our module we have taken some innovative and "smart" algorithms, which let you create expressive artistic imprints while working with simple notions and parameters. Despite the fact that it is very easy to work with this module, it possesses a great potential. The authors of this package have put a lot of effort to make your work with it pleasant and convenient. There is a special dialog window for adjusting the parameters and a preview window for observing the effect of parameter's changing. To make it easier for you we have included some files with different combinations of parameters' values. Besides, you can use "Actions" mode of Adobe Photoshop while working with our module. Before we go to more detailed description of our module, we would like to emphasize that Panopticum Engraver is a very powerful and universal tool. Combining it with other tools and plug-ins of Adobe Photoshop will let you create different interesting and sophisticated images. You might also find it useful using this plug-in with another product by Panopticum - Alpha Strip 1.2.





System Requirements

Panopticum Engraver 1.0 for Adobe Photoshop Windows 98 / NT/ Windows 2000

1. Windows NT version 4.0 or Windows 98 or later operating system.
2. An Intel processor-based PC with a 486/66, Pentium, Pentium II, or Pentium Pro processor.
3. At least 32 megabytes of RAM, 64 megabytes of RAM recommended.
4. 12-bit (4096) display color; true color (16.7M colors) recommended.
5. 640 x 480 display resolution; 800 x 600 or better recommended.
6. 5 megabytes of free disk space for installation.

Panopticum Engraver 1.0 for Adobe Photoshop MacOS

1. MacOS 9.0 or later operating system.
2. A PowerMac (or compatible) with any PowerPC processor.
3. At least 32 megabytes of RAM, 64 megabytes of RAM recommended.
4. 16-bit (65535 colors) display color; true color (16.7M colors) recommended.
5. 640 x 480 display resolution; 800 x 600 or better recommended.
6. 5 megabytes of free disk space for installation.





Parameters description

Start your graphics editor and open any picture in it. It can be any photo or gray-level picture. Choose item **Engraver** from menu **Filter/Panopticum/Engraver**. The dialog window for adjusting the parameters will appear on your screen. Preview window lets you observe the effect of filter applied to a part of your image. At the bottom left corner there are two list-boxes. In the upper one you can choose color scheme, which will be applied to initial picture.

The following modes are listed in this box:

- **Origin Color** - will keep the initial colors of your image. So the pattern made by alpha channel will be transparent. If the image does not contain an alpha channel, then the pattern will appear black on the image (Picture 1).
- **Black and White** - pattern in this mode will appear as if it was drawn on a piece of paper. In this mode you can stylize your image as a print or an ink picture (Picture 2).
- **Split Color** - your image can be represented as colored print. Each color multiplier will appear as a contrast pattern (Picture 3). All the layers will be brought together on the final picture. You can amplify the displacement (parallax) of color layers by adjusting parameter **Offset**. In the lower list-box you will find different variants of geometric pattern. Choosing various types of lines, waves, radial pictures and spirals and their adjustment will give you vast variety of images (Pictures 4, 5, 6, 7, 8). You can also obtain diverse fringe patterns by superposing cut layers one over another.



Picture 1



Picture 2



Picture 3





Parameters description



Picture 4



Picture 5



Picture 6



Picture 7



Picture 8

To start, choose the first item from this list, which is **Lines**. Using the example of the simplest pattern, it will be easier for us to explain and for you to understand the destination of other parameters.

Controller in the form of circle or wheel helps you set the angle of rotation for your pattern.

Parameter **Space** sets the distance between lines.

Offset assigns the displacement of geometric pattern.

Width defines the thickness of lines. Thickness will change depending on initial image under the line.

Checkbox **Invert Intensive** lets reverse the interdependence between initial image and thickness of line.

Invert reverses the obtained pattern.

Antialiasing engages the mode that smoothes the edges of image.

Don't Break - mode that draws lines of the pattern without ruptures.

Parameter **Add Relief** lets add more nonlinear distortion, which makes the pattern look as if it was made not by





Parameters description

a computer, but by an artist.

Parameters **Retouching** and **Amplification** add more expressiveness to your picture.

Parameter **Use Circles** makes the pattern to be composed of circles of various sizes.

Their radius depends on adjustment of parameters **Width** and **Amplification**, as well as on the intensity of the primary image. The distance between circles depends on **Width** and **Space**.

Parameters **Amplitude**, **Frequency** and **Shift of Phase** will become active when you choose any type of wave pattern from the lower list-box (radial or flat).

Choosing any type of radial pattern will activate two other parameters **Center X** and **Center Y**.

They set coordinates of the pattern's center.





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Conclusion

The purpose of this short guide was not to show all the possibilities of our software. We just wanted to interest you in experimenting with our plug-in. We hope that our product will be a valueable addition to your collection of professional tools for creating beautiful and diversified effects of fire and combustion.

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Panopticum, LLC.
7277 Via Vico WY
San Jose, CA 95129 USA
Phone: (408) 891-9224
Fax: (408) 904-5657
<http://www.panopticum.com>
Tech Support: support@panopticum.com
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