



<http://www.eaglerip.com>

EagleAGS (Accurate Gravure Screening) is an add-on option for Founder's EagleRIP software, with screening designed especially for gravure printing.

EagleAGS includes leading-edge technologies for the advanced control of dot shape and screen angle, as well as image enhancement capabilities, providing significantly increased print quality.

EagleAGS is designed especially for gravure printing. Taking the nature of gravure printing into account, EagleAGS is composed of some extraordinary technologies such as advanced controlling of dot-shape, advanced control of screen angle and the method of image level enhancement. These technologies can reduce moire caused by four-color over printing and provide an accurate reproduction of image colors.

Based on a specially designed description method of screening dot-shape, EagleAGS provides a smoothly-brimmed concave dot shape in any density level to fit the need of ink-transfer in gravure printing and thus gets a perfect round screen dot in the result. It is designed to ensure the symmetry of the dot shape in order to conveniently avoid "Watermark" phenomenon in etching plate-making. The method of image level enhancement ensures the total reproduction level up to 65535 with no harmful artifacts.

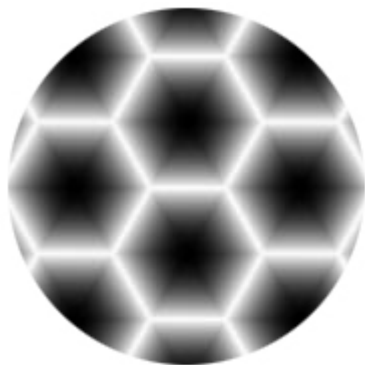
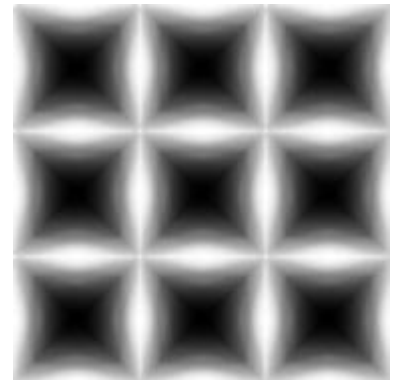


Key Features

- > EagleAGS provides a smoothly brimmed concave dot shape in any density level to fit the need of ink-transfer in gravure printing.
- > EagleAGS ensures the symmetry of the dot shape in order to avoid "Watermark" phenomenon in plate etching. The image level enhancement feature ensures maximum reproduction level up to 65535 with no negative artifacts.
- > EagleAGS reduces moiré caused by four-color overprinting and provide accurate reproduction of image colors.

Pin Cushion

In the solid area of this dot shape, the dot edge is cissoidal. In the etching process, the cissoidal dot will become a standard square shape. The wall between dots will be more solid. This can improve the effect in the solid area and avoid a ripple pattern.

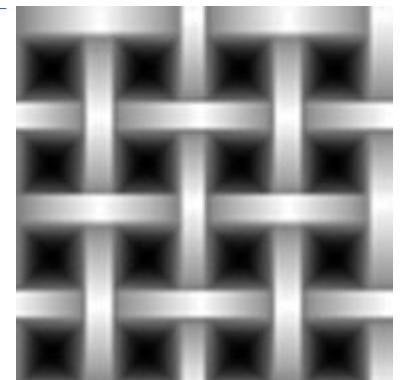


Hexagonal

Hexagonal gravure screening can improve the solid area level arriving at 80%, as compared with the conventional dot at about 65%. It can produce more screen levels in gravure printing and achieve quality similar to electronic gravure techniques.

T-Shape

In this dot, ink among the dots can float a little. It can compensate the ink of nearby dots. Usually used in line work or text, it can eliminate zigzag effects.



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