

screens

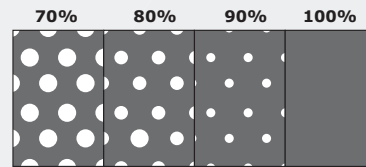


screens

These are used in pad printing to obtain clichés with screened etching, in steel as well as in photopolymer. To reduce start-up time to a minimum, in particular in open systems, screens keep the layer of ink uniform all along the engraving. If a full print is required, they also make it possible to avoid the use of hard blades, which are difficult to adjust.

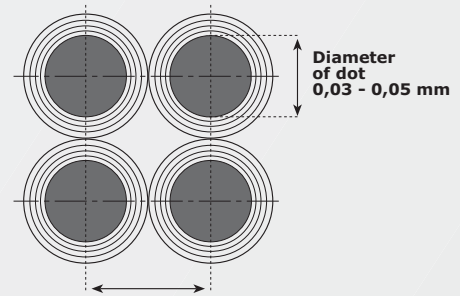
When making a screened cliché, the depth of the etching (and therefore the amount of ink required for the printing) is determined by the dimensions of the dots and lines on the screens, according to the desired result.

TOSH's experience suggests the use of screens with 54 to 120 lines per centimeter, with blackening percentages ranging from 70 to 90% and distance between dots ranging from 0.03 to 0.05 mm.



Example of different blackening percentages with the same lines

The higher the number of lines, and therefore the number of dots per line, the better the ability to reproduce details.



The distances between the centers of the dots determine the lines of the screen

TOSH offers a wide range of screens, always available in stock and ready to deliver. On request TOSH can produce screens with different lines and blackening percentages.

