

XERIO SEP V.3

**SOFTWARE PER
SEPARAZIONE COLORE
E OTTIMIZZAZIONE
IMMAGINI PER LA
STAMPA INKJET**

Complete autonomy in color separation is a great advantage for the file management. It allows the graphic operator to easily adapt the separation to the print requirements, to the little number of colors, to the printing machine.

The coverage of the whole chromatic range within the separation is a great help for the optimisations and selections made for the ink-jet printing.

XerioSEP simplifies the color selection operation of the complex images and helps save time in the cut-out operations.



COLOR SEPARATION

The separation in spot colors or Pantone is very helpful in screen printing, as the glossy colors and the colorways are distinguishable features of this technique.

XerioSEP offers several separation systems in order to make an accurate and unique spot color separation.

- MULTI SCRIPT SEPARATION
- COLOR CONTROL IN A SPECIFIC AREA OF THE IMAGE
- SHADE CHANGE OF EVERY SINGLE COLOR WITH LAB VALUES
- COLOR ADDITIV OR REMOVAL OPTION
- COLOR SEPARATION UP TO 12 COLORS
- COLOR CONTROL WITH CURVE FUNCTION AND DOT GAIN CALCULATION
- INDEPENDENT CREATION OF SEPARATION SCRIPTS (BY ADDING OR REMOVING COLORS FROM EXISTING SCRIPTS)



WHITE AND BLACK COLOR SEPARATION

Black and white images are often used in printing; fundamental is the greyscale control and its next separation in many colors.

For printing with fine details and depth, it's necessary to use one or more grey colors to make a nice image without any shade interruptions.

- AUTOMATIC SEPARATION IN THREE GREY COLORS
- COLOR CHANGE AND SETTING WITH LAB VALUES
- CHANGE AND SETTINGS WITH COLOR CORRECTION FUNCTION
- COLOR ADDITION TO CREATE PARTICULAR EFFECTS
- BLACK AND WHITE COLOR REMOVAL TO COMPENSATE FOR THE SUBSTRATE COLOR

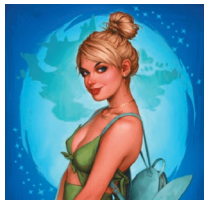


CREATION OF WHITE BACKPRINT

The creation of a white underbase when printing on dark or colored substrate is always an important point both for screen printing and digital printing.

XerioSEP allows the creation of the underbase white color both on black and colored substrates in order to be able to best use the color of the substrate within the separation limiting the number of the colors.

- AUTOMATIC CREATION OF A WHITE UNDERBASE
- SETTING OF THE COLOR OF THE SUBSTRATE
- REMOVAL OF THE COLOR SIMILAR TO THE ONE OF THE SUBSTRATE
- WHITE COLOR SETTING WITH COLOR CORRECTION FUNCTION



DIGITAL PRINTING

Digital printing requires control and optimization to get high impact quality. Prints are often corrected and amended to obtain the desired effect in printing.

These operations take a long time and several trials before getting the desired result. Our separation software XerioSEP speeds up and makes these operations easier allowing the control of the various parameters of the image.

- THE QUALITY OF THE SEPARATION IN SPOT COLORS ALLOW A QUICK CONTROL OF THE IMAGE
- THE CONVERSION OF SPOT COLOR CHANNELS INTO RGB LEVELS MAKES THE FILE COMPATIBLE WITH THE VARIOUS RIP SOFTWARE CONNECTED TO THE PRINTER
- CREATION OF SEPARATION SCRIPT FOR THE DIGITAL PRINTER WITH MORE THAN FOUR COLORS (E.G.: CYAN, MAGENTA, YELLOW, BLACK, RED, GREEN)
- CREATION OF WHITE UNDERBASE
- CONTROL OF THE SPECIAL COLORS (E.G.: FLORESCENT)



MAGENTA

PRINTING OF FOUR PROCESS COLOR

Four process color printing has always been a key point for the image printing.

An important thing to be considered is the variety of the inks on the market that can make great differences upon printing.

XerioSEP can import one or more ICC color profiles to check the reproduction in details, changing the LAB values of the single colors to simulate the real print.

- IMPORT OF ICC COLOR PROFILES
- CHANGE OF LAB VALUES OF THE SINGLE INKS ACCORDING TO THE DIFFERENT MANUFACTURERS
- SIMULATION OF THE OPACITY OF THE VARIOUS COLORS
- ADDITION OF OTHER COLORS FOR WIDER FOUR PROCESS COLOR
- SELECTIVE CHANGE THROUGH THE FUNCTION CURVE AND SELECTIVE COLOR
- DOT GAIN COMPENSATION THROUGH TARGET GENERATION AND SUBSEQUENT SPECTROPHOTOMER READING
- SIMULATION OF PRINTING SEQUENCE

