

# Equalizing Printing System



## EPS – EQUALIZING PRINTING SYSTEM FOR DIRECT-TO-TEXTILE, DOUBLE-SIDED PRINTING

Patented by J-Teck3, EPS is a system for double-sided printing on fabrics through digital technology. It is designed to allow homogeneous colour penetration into the fabrics in direct-to-textile printing through the use of two complementary elements:

EPS Clear - A non-pigmented ink which has the function to “drive” the other colours through the fabric in order to achieve a uniform volume regardless of differences in colour shade and intensity.



EPS Software – application software designed by J-Teck3 for the interpretation of graphics, images and logos to be printed. It estimates the correct quantity of EPS Clear necessary to equalize the ink penetration and makes double-sided printing possible.

## HOW EPS WORKS

It requires the use of a six-colour digital printer.

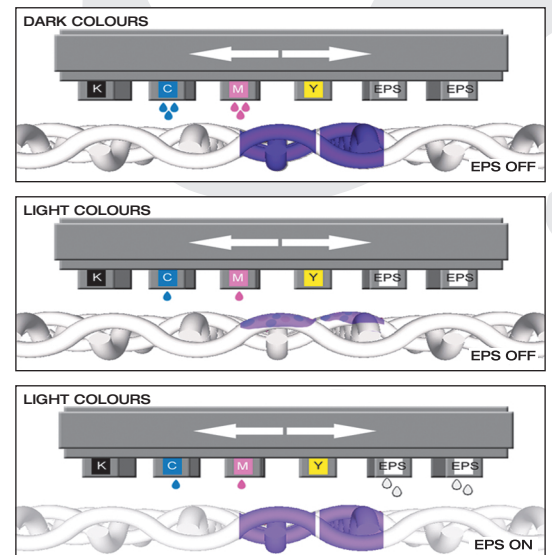
EPS Clear replaces one or more colour slots in addition to CMYK, usually those of the light inks.

With EPS Clear the chromatic characteristics of each colour are maintained, the dithering effect is absent, the ink jet is more uniform thus improving the print quality of both light and dark shades.

EPS Software can be used with any type of RIP. It helps the operator to set the printing files as it calculates the max ink limit the fabric can accept in direct printing.

Ink limit can vary from one fabric to another and mostly depend on fabric pre-treatment.

The thicker the fabric the higher the ink limit to allow a sufficient ink penetration in order to have a perfect double-sided printing.



### Advantages

- Double-sided printing through digital technology due to uniform colour penetration.
- Vibrant and intense colours on the reserve side, scarcely distinguishable from the front
- No dithering
- Development of new application sectors in digital direct-to-textile printing

### Compatible inks

EPS is a universal system which can be used together with:

- Disperse dyes for polyester
- Acid dyes for wool, nylon and silk
- Reactive dyes for cotton and cellulosic fibres

### Colour Fixing

Fabrics printed with EPS can be fixed with the following systems:

- Heating press
- Calender
- Oven
- Steamer



**Important:** We strongly suggest to always carry out pretests of printing, drying and transfer on the substrate to be printed in order to establish the operative conditions and the results to be achieved. We also suggest to stir the product before the use and carefully follow the instructions written on the label and on the material safety data sheet enclosed to the products. Furthermore, we remind you that the ink performances can vary according to the type of printer, paper and polyester fabric used in the final application.

**Note:** The information contained in this information sheet are based on our present experience and knowledge. In consideration of the various factors which can effect the results achieved in the final application, J-Teck3 Srl does not take any responsibility for an improper use of the product by the user which can violate or damage rights of third parties.

The information contained herein is general in nature and believed to be correct at the time of writing. No responsibility will be accepted by J-Teck3 Srl for any loss or damage suffered by anyone as a result of the information contained herein.