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EXCLUSIVE FEATURES OF UV-CURING SCREEN TECHNOLOGY

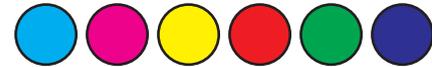
A comparison of UV-screen printing to other printing technologies will always be inaccurate, if not illegitimate. At long last it's the exclusive features of a technology that make it possible to meet many different market requirements. The order of the following special features of UV-screen technology has nothing to do with their significance.

■ OPACITY

Choice of various types of fabrics and corresponding pigmentation of printing inks allows screen application of highly opaque ink layers on various substrates. Printing of coloured inks on dyed substrates is time consuming if not impossible with other printing processes

■ COLOUR BRILLIANCE

Reproduction of special, highly brilliant colour shades will never be possible with process colours. Colour space can surely be expanded if you work with 6 instead of 4 process colours. However, colour prints with maximum brilliance and exact reproduction of the sample can only be achieved with full colours applied by screen technology.



■ EFFECT INKS

Some examples for special effect inks are:

- metallic surfaces
- pearl effects
- fluorescent effects
- phosphorescent effects
- haptic effects
- scent effects



All these effects can be applied to corresponding substrates using screen technology.

■ REQUIREMENTS OF PRINTS

No matter if you want to apply conductive layers or form the printed substrates later, there is a suitable screen ink for these applications.

■ PRINTING COST

When comparing the screen technology with other printing technologies – especially with the digital printing process – it will always be difficult to say which one is more cost efficient. Investments for machines and peripheral appliances, cost for consumables need to be taken into consideration just like the cost incurred in connection with the job size. We are quite sure, however, that the screen process – especially modern screen printing with multi-colour lines combined with corresponding prepress materials – offers many advantages. Using multi-colour lines with a format of 2x3 m with – according to the manufacturers - a capacity of approx. 500 prints/hour it is possible to print 3000m²/hour. However, one should not weigh the pros and cons of screen printing and digital printing, on the contrary, co-existence of screen printing ink and digital printing should be considered. Large print runs made by screen process may well be individually decorated by digital printing.

