

# Kornit Digital showcases dark polyester printing

A comprehensive solution for incomparable fast & productive printing on dark polyester applications



A leading-edge company that develops, manufactures and markets high-speed industrial digital inkjet printers, superior pigmented ink and unique chemistry solutions for the garment & apparel decorating industry, announced the upcoming release of its new comprehensive solution for dark polyester printing, featuring a new innovative software application for enhanced workflow and production. Kornit's experienced professionals succeeded to meet the technological challenges the DTG market has been facing for a long time, and to achieve most advantageous printing results on dark polyester applications. With this new feature integrated into the machine's software, 100% dark polyester including 100% dark polyester performance fabrics can now be printed digitally with Kornit 931DS and Kornit 932NDS industrial digital inkjet printers, while using Kornit's existing ink technology along with the automatic wetting solution process.

Dark polyester has been known for its limited capacity to absorb heat, due to dye-migration side-effects, a chemical process where

the dye in the fabric sublimates under high temperatures and migrates into the ink layer. The main challenge facing the DTG market in this particular area is curing dark polyester by heat without having it result in a discolouration of the print. With Kornit's superior textile digital water-based ink formulated for low-temperature curing while maintaining extremely high durability and wash fastness, and with its proprietary pre-treatment wetting solution creating a sealed printing surface that prevents the garment's dye from binding with the ink film, Kornit is able to produce four colour process prints on dark polyester, without altering its chemistry in any way. This enables the customers to manage a smooth and productive workflow of dark polyester applications including variable data prints.

“With this new ground-breaking application added to the company's portfolio, Kornit Digital supplies customers a unique and all-inclusive solution that other companies have yet to offer”, says Sarel Ashkenazi, VP of Marketing & Business Development at Kornit. “We believe that by successfully overcoming the difficulties involved with dark polyester DTG printing, Kornit has once again paved the way into a new era. With new opportunities for our customers it will be easy to maintain the competitive edge, to expand their customers' base and to reach higher profitability.” ●