

Digital textile

Issue 5: 2015

avanprint
PARIS



PARIS
FEBRUARY
15-18, 2016

HIGH TECHNOLOGY + CREATIVITY
EXPLORE THE POSSIBILITIES OF
DIGITAL TEXTILE PRINTING

decoration. The series currently includes:

- Sublimation transfer: J-Cube KF (Kyocera), J-Cube RF (Ricoh), J-Cube NSK (Konica Minolta), J-Cube PNF (Panasonic)
- Direct to fabric: J-Cube KP (Kyocera), J-Cube RP (Ricoh)



J-Teck3 will be promoting its J-Cube dye-sub inks

New for ITMA 2015, four new high density colours have been added to the sublimation version for Ricoh and Kyocera heads. Identified as: Extra Cyan, Extra Magenta, Extra Yellow and Extra Black, these have been specifically developed for Ricoh and Kyocera heads where customers are printing on uncoated transfer papers, providing utmost printability and vibrant shades with reduced ink limit.

On display will also be J-Teck's complete range of digital inks: J-Next Subly, suitable for Epson DX6 and DX7 print heads, the well-known J-Eco Nano Line disperse dyes with Nanodot technology for direct and transfer printing on polyester. The company's EPS System for double-sided printing in the digital direct-to-fabric printing process will also be featured.

Kiian Digital

Hall 18 Stand G106

Kiian will launch Digistar K-Choice, a new pigment ink for Kyocera heads, in addition to its complete portfolio of aqueous inks.

Developed in Italy, K-Choice addresses the quality needs of high-speed printing with the aim of assuring complete control of the process. Kiian says the same attention has been given to the gamut, which provides wide extension and high precision in colours and shade reproduction.

The full aqueous-ink portfolio, all conceived for

high-speed production, comprises seven different dye-sub and pigment inks for both direct and transfer printing with Kyocera and Ricoh print heads. In addition, Kiian Digital offers bespoke solutions for other high-productivity print heads.

KISCO

Hall 8 Stand F125

Kyung-In Synthetic Corporation (KISCO) is a Korean dye and ink manufacturer with a broad portfolio, manufactured according to sustainable principles. In the area of digital-textile printing, KISCO has manufactures the Papijet series of aqueous inks and says what differentiates it from many competitors is that it manufactures its own raw materials and

Cold Peel Transfers

Marabu

Hall 18 Stand E108

Ink producer Marabu is exhibiting for the first time at ITMA, to launch its new digital concept for water-based 'cold peel' transfer printing on to T-shirts, alongside its established TexaJet DX and TampaTex TPX ranges.

The hybrid sublimation ink TexaJet DX-SHE is suitable for traditional transfer printing and direct printing on to pre-treated polyester fabrics, using machines with Epson DX4 and DX5 print heads. For DX6 and DX7 print heads, Marabu has developed TexaJet DX-STE, a solution for printing on very thin paper.

Marabu says the advantage of its cold-peel transfer, compared with sublimation printing, is the wide variety of fabrics that can be printed. Currently, cold peel transfer printing can be achieved through either digital or screen printing. With the newly redesigned, water-based MaquaJet DA-E formulation, the advantages of each are combined in one application.

According to the company, the design is printed in CMYK directly on to the foil without a time-consuming pre-press process. The small layer thickness of the final patches allows a soft look and feel, increasing wearing comfort of the printed T-shirts. The DA-E is said to makes production faster, easily customisable, cost-effective and more high-grade.

Paper Company Targets Sublimation Market

Felix Schoeller, a division of German speciality-paper company Felix Schoeller Group, is expanding its portfolio to include sublimation papers.

New S-RACE sublimation paper uses a microporous colour-receiver layer to offer what the company claims are significantly shorter drying times. Felix Schoeller says that, unlike many other papers already on the market, this coating has an innovative composition that gives the product higher air permeability, making it ideal for sublimation printing on to both textiles and hard plastic-coated substrates.

The company adds that the new papers are also able to absorb water far more quickly, which means they can be used on the latest and fastest sublimation printers without problems and without the need for an additional drying unit. It says the special coating can also significantly shorten the sublimation process deliver a transferred image with excellent line sharpness.

"With our S-RACE sublimation papers, we are developing an entirely new product segment for the Felix Schoeller Group," said Guido Hofmeyer, executive vice-president of the Felix Schoeller Group and chief operating officer of the Felix Schoeller Division. "The new segment is an excellent fit for our expertise and competencies and we are delighted to be able to offer the market such high-performance products."

S-RACE products will initially be available in three different basis weights: 75, 100 and 130 gsm. Both plotter and large-diameter rolls are available.



Felix Schoeller's S-Race quick drying sublimation paper



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- Especially made for transfer printing
- Works well even on light paper
- Optimized for Epson DX6 and DX7 print heads

Texa® Jet DX-SHE:

- Hybrid: For both transfer and direct printing
- Developed for Epson DX4 and DX5 print heads

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