



GRAPHIC SERVICES IN THE PALM OF YOUR HAND

Take full advantage of our investment in the NEW wide format Dye-Sub printer and soon to be available NEW UV printer!

Delivering fast, photographic quality high resolution graphics for you or your customer.





DYE-SUB PRINTING SERVICES

Our new DURST Rhotex 325 dual-purpose printing system combines direct-to-textile printing with dye-sublimation transfer printing technology in a 3.2 meter wide machine.

Depending on the application and fabric, the printing system can instantly alternate between the paper transfer and the direct printing function onto polyester-based materials.

This delivers an unrivalled print speed and photographic quality for all your soft graphics and signage requirements.

*DURST
Rhotex
325*



UV PRINTING SERVICES

The next phase of our Graphics Investment programme will be the introduction of a new versatile UV flatbed printer offering unrivalled print quality.

It will define a new high quality standard for industrial print production because it's the most productive printer in its class offering versatility and quality without compromise.

This versatile UV printer has the ability to print on rigid and roll media, and will also include the addition of white ink printing capability to support the focus on driving Light Box developments.



GRAPHIC SERVICES

Our dedicated Graphics Team will help you get the best from your display by providing advice on setting up your artwork and choosing the correct media to print your graphics on, to suit your display solution hardware.

We process artwork quickly and accurately online using Pre-Flight our digital file checking and pre-print 'e-proof' approval service.

Colour sample matching service and press quality print checks are all part of our Graphic Service to provide you with the best graphics to compliment your display solution.



FINISHING SERVICES

Our experienced Finishing Team work in both machine and craft based manufacturing from the conceptualisation to the finished product. Fully competent in using the Overlocking Sewing Machine, the team can trim and hem at the same time on any of the Ultima Displays extensive product range; from banners to full-scale modular stands.

Skilled in finishing and fitting, our full range of textile graphics, the Finishing Team take a graphic, dress it on the stand, analyse the fit and take it back to the machine to be re-worked to ensure a perfect product every time.



ultimadisplays

portable marketing solutions

49-50 Causeway Road, Earlstree Industrial Estate, Corby, Northants NN17 4DU, United Kingdom

Phone: +44 (0)1536 272250 Email: enquiries@ultimadisplays.co.uk www.ultimadisplays.co.uk

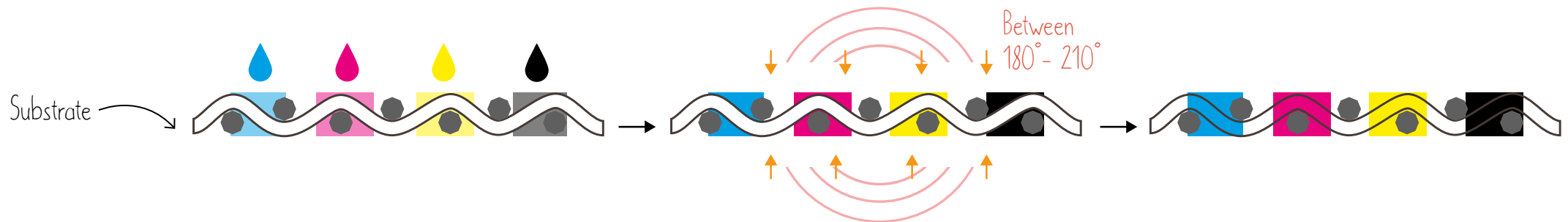
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DYE-SUB PRINT

- Specialist digital inkjet sublimation.
- Print is either direct or by transfer.
- For printing on to fabric medias.



The Stages of Dye-Sublimation



Dye-Sublimation printing is the application of sublimation inks onto a surface using a heated Calender to provide the required combination of heat, time and pressure. This combination causes the inks to be converted from a solid to a gaseous state enabling them to penetrate the sublimatable surface so that a permanent, full colour image is formed. The colour penetrates the surface of the

item so that the result is colourful, long lasting and resistant to scratching unlike some other printing methods that merely print onto the surface of the media.

Dye-sublimation printing always takes place with a polyester, polymer, or polymer-coated item. At high temperatures, the solid dye converts into a gas without ever becoming a liquid. The

same high temperature opens the pores of the polymer and allows the gas to enter. When the temperature drops, the pores close and the gas reverts to a solid state. It has now become a part of the polymer. For this reason true dye-sublimation cannot take place on natural materials such as 100% cotton. Natural fibres and non-coated materials have no 'pores' to open.

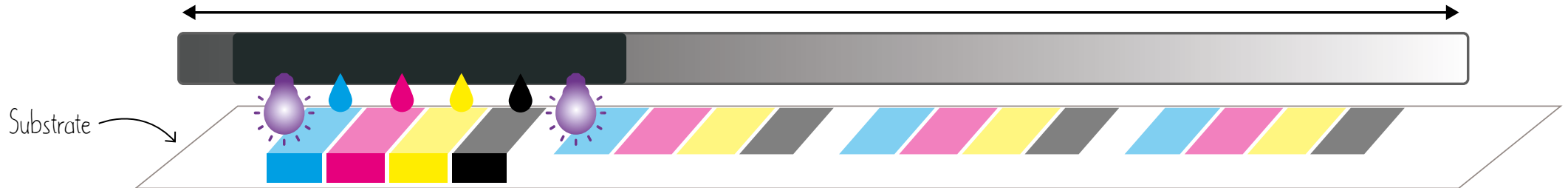
UV PRINT

- Ultra violet light cures ink onto media.
- Once cured, ink is bonded to the media.
- Does not require lamination.

Prints up to 3.2m wide



The Stages of UV Print



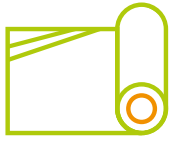
UV printing is different from conventional printing. Instead of having solvents in the ink that evaporate into the air and absorb into the paper, UV inks dry through a photomechanical process. When the inks are exposed to ultraviolet lights they turn from a liquid, or paste, to a solid. There is significantly less evaporation of solvents and much less absorption of the ink into the stock. One of the biggest advantages of UV printing is that

there are fewer emissions of volatile organic compounds into the environment since there is no evaporation of the solvents as with conventional inks.

Another advantage of UV printing is that the inks can dry on plastic and other non-porous substrates. Because the inks dry through a photomechanical process it is not necessary for the ink solvent to absorb into the stock. UV

printing can also offer significant advantages when printing on uncoated stocks.

Since UV inks dry when exposed to UV light, the inks do not have the time to soak into the paper. The ink dot is left sitting on top of the uncoated sheet, where it presents a cleaner less contaminated dot, ultimately giving a more vibrant colour.



Specialist Print Media

To guarantee a high-quality finish, we have selected a wide choice of print media. The diversity of which offers an optimal solution for any of the display structures in our range.

Media	Weight		Roller Banners	Tension Banners	Flags	Outdoor	POS Signage	Counters	Backwalls	Modular Solutions	Custom
	gsm/micron										
FLAG KNIT	110 g/m ²				✓ All	✓ Stowaway					✓
DISPLAY POLYESTER	210 g/m ²			✓ Uno			✓ Vector Quick Fix/ Tablecloths	✓ SEG Fabric Hop-up	✓ Impact Hop-up/ Pegasus	✓ Vector/Linear	✓
SUPER STRETCH	260 g/m ²			✓ Formulate				✓ Formulate	✓ Formulate	✓ Formulate	✓
BLACKBACK LIGHTBLOCK	260 g/m ²									✓ Linear/Vector/ Vector LED	✓
TENT PVC	195 g/m ²					✓ Tents					✓
BACKLIT	210 g/m ²									✓ Vector LED	✓
ECONOMY BANNER	440 g/m ²		✓ Indoor banners	✓ Vortex	✓ Mistral	✓ Outdoor banners/Cafe Barriers	✓ Twista Lite/Trappa Rail		✓ Pegasus	✓ Arena	✓
MEDIA B	220 g/m ²		✓ Indoor banners			✓ Whirlwind	✓ Trappa Frame				✓
POLYESTER	205 g/m ²		✓ Indoor banners	✓ Uno							✓
420 MIC PVC		420 μ		✓ Stealth/Uno				✓ Physique			✓
550 MIC PVC		550 μ						✓ Pop-up	✓ Quick+ Pop-up/Impact	✓ Linear	✓
DOUBLE-SIDED BANNER VINYL		250 μ				✓ Mistral/Cafe Barriers					✓
SELF-ADHESIVE		80 μ				✓ Sign Board Lite		✓ Counta			✓
200 MIC DURATRAN		200 μ					✓ Reflecta Lite LED/Reflecta Trappa				✓
FOAMEX BOARD 3 / 5 / 10 mm				✓ Wedge			✓ Strata	✓ Pro Linear/Linear/Linear Lite		✓ Linear/Vector	✓