

PicoColour® 210

UV Inkjet Label Printing Systems



DANTEX
GROUP

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PicoColour and PicoJet are designed and manufactured in the United Kingdom by Dantex

YOUR PARTNER IN DIGITAL LABEL PRINTING

PICOCOLOUR R/F

UV Inkjet Press



PicoColour® UV inkjet digital press is a versatile, small footprint label printing system offering superb printed results at a competitive price. PicoColour is suitable for short and long run jobs and offers all the benefits of digital printing for today's demanding production environment – no minimum quantity, no waste and super fast turnaround. With no plate making, no press make-ready and with every copy perfect from the very first label, PicoColour improves profitability of the job run, whether long or short.



Productive and Flexible

PicoColour has a maximum print width of 210mm/8¼", and has the flexibility to print on a variety of different substrates without the need for priming. PicoColour can print media thicknesses from 100 to 300 microns and achieves a maximum print speed of 25m/82ft per minute. With no plate making, no press make-ready and with every copy perfect from the very first label, PicoColour increases the profitability of all jobs.

Easy to use

PicoColour can prioritise jobs according to your preference for maximum efficiency and optimum uptime. Setup requires minimal time so that you can offer your customers the fast-turnaround service they demand.

Built to Last, here to Stay

PicoColour is built to last, simple to operate and easy to maintain. This press is designed and manufactured by Dantex in the UK, with an emphasis on operational efficiency, robust precision engineering and durability.

Single Pass White

White ink allows greater design flexibility and printing on a wider variety of substrates including paper, film, foil and speciality stocks. PicoColour offers excellent white ink coverage, density and opacity.

Ink Technology

Dantex has developed a range of high quality, high gloss digital inks for use with the Pico Range of equipment. Wide colour gamut availability ensures optimum reproduction and colour matching. Dantex inks offer consistent and optimum coverage without any loss of quality, integrity, or colour density, with exceptionally smooth tonal and solid areas for perfect, life-like images. PicoColour print requires no post varnishing or lamination, has excellent chemical, light and rub resistance and Blue wool CMYK 6+.

Outstanding Print Quality

PicoColour uses the latest in print head technology; delivering exceptionally smooth tonal and solid areas for perfect, life-like images. Xaar print heads, with a 6pl droplet size, employ TF Technology™ (ink recirculation) and Hybrid Side Shooter™ architecture, ensuring continuous ink flow at a high rate directly past the back of the nozzle during drop ejection. TF Technology™ ensures that the print head is self-priming; maintenance cycles are short and start-up is immediate.

Optimised Geometry nozzles deliver greater accuracy of drop placement and thanks to the inking system, consistent drop volume is achieved in PicoColour. Print jobs can be produced with even colour density across the print head and print width.



Key Features of PicoColour

- High quality.
- Increased productivity, fast make-ready.
- Short run capability.
- High up-time.
- Simple to use operator interfaces.
- Intuitive colour management system.
- Low maintenance.
- Sharp text and bold colours.
- Smooth tones and solids.
- High gloss inks.
- Even colour density
- Single Pass White
- Excellent white density and opacity.
- Recirculating ink and head system.
- Wider colour gamut than normal inks.
- No need to prime substrates prior to printing.
- Excellent chemical, light & rub resistance.
- Blue wool CMYK 6+
- No post varnishing/laminating required.
- High production uptime.

Front-End Controller

PicoPilot



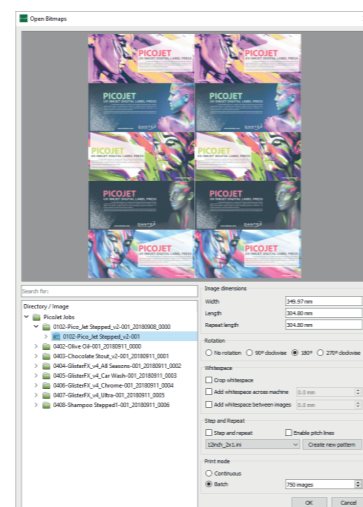
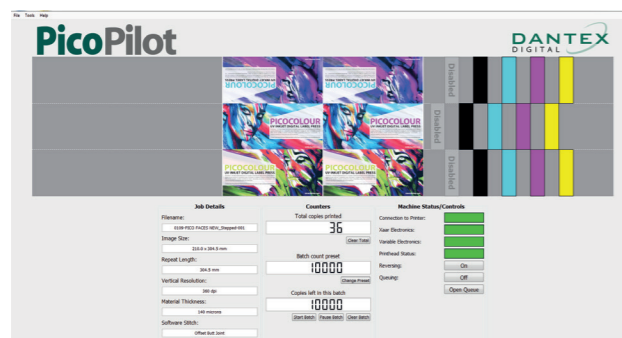
PicoPilot provides the operator with the tools to deliver high quality, colour accurate prints, quickly and consistently; all from within an intuitive and operator-friendly interface. PicoPilot enables the correct positioning of jobs in preparation for print.

Flexible Workflow Control

PicoPilot enables you to simply take the colour managed bitmap file and position for printing.

PicoPilot has the unique feature allowing you to disable print colours during the run as required.

It includes Step & Repeat functions, Imposition Templates, Registration Control, Rotate & Crop, Label Counting and Batch Printing features.



Key Features of PicoPilot

- Input 1-bit Tifs and Bitmaps.
- Image cropping and rotation.
- Whitespace adjustment.
- Step/Repeat.
- Batch printing.
- Add/edit/delete/Auto-Queuing.
- Store parameters for repeat jobs.
- Registration control.
- Ink Cost Calculation.
- Variable Data.

Digital Front-End

MaxPrint RIP

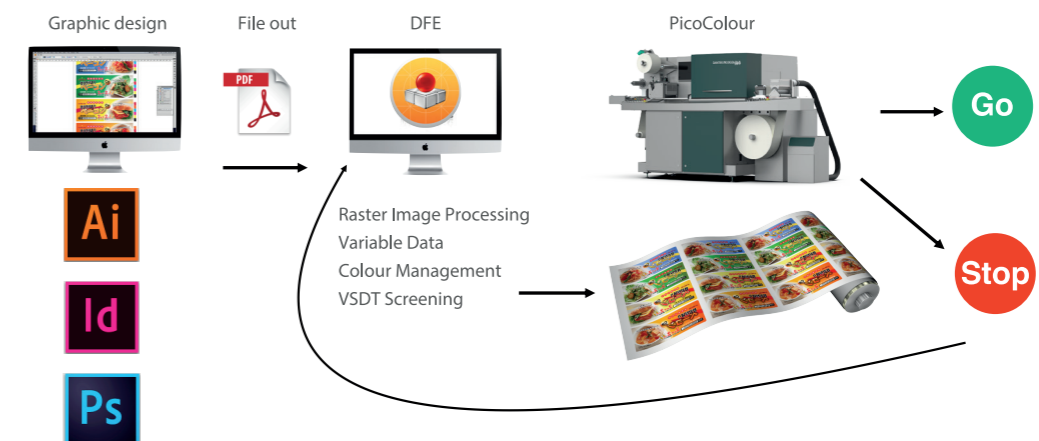


The MaxPrint software manages colour, ink and media, and provides the operator with the facility to access and configure jobs from within a single application environment. Workflow can be quickly and easily defined, controlled and monitored. Press-ready files are processed automatically via hot folders, with the resultant high resolution and colour managed data optimised for output.

Flexible Colour Management

MaxPrint takes full advantage of Pico's vivid inkset via its powerful spot colour matching facility. A report, detailing the accuracy of the colour match can then be exported.

Multi-colour shade allows for a dynamic range of spectral data, such as brand colours and industry standard colour libraries to be input, reproduced and optimised.



Key Features of MaxPrint

- PDF RIP
- FM Screening for fine details
- Variable Data printing
- Automated spot colour calibration
- Colour raster editing (on-the-fly)
- Tonal curve adjustments
- ICC Colour Management
- Automated spot colour reporting

PicoColour PRESS

Specifications

Standard Features of PicoColour 210RF

- CMYK Printing System
- Full Rotary Die Cut Station & Matrix Remover
- Recirculating ink system
- Web Cleaner
- Anti-static

Resolution	360 x 360 dpi, 360 x 240
Number of Greyscales	8
Ink Type	Dantex Formulated Inks
Ink Configurations	CMYK / W + CMYK / CMYK + W / CMYK + Varnish
Minimum Droplet Size	6pl
Substrate Support	Standard label substrates and unsupported film
Substrate Thickness	100-300 µm (Thickness dependent on material properties)
Unwind (Max. Capacity)	70 kg weight, 3" inner core 630mm diameter, 76mm inner core
Power	32A 3 Phase + Neutral + Earth
Compressed Air	100 psi (5 to 6 bar) at 300 litres per minute

Options for PicoColour 210RF

- White / Varnish
- Backslitter (Edge Trim)
- Inline Razor (Up to 6 knives)
- Chilled Roller (for thermal substrates only)
- Additional Mark Sensors
- Inline Lamination
- Corona Unit

Die Cutting Cylinders available - 10" - 17"
(1/8 pitch increments)



PicoColour 210RF

Print Width	- 210mm / 8.25"
Web Width	- 230mm / 9.05"
Print Speed	- 25m/min. (82ft/min) at 360 x 360
Rewind	- 70kg weight (Max. Capacity), 630mm diameter, 76mm inner core
Press (L x D x H)	- 330cm x 170cm x 197cm / 129.92" x 66.93" x 77.56"



PicoColour 210R

Print Width	- 210mm / 8.25"
Web Width	- 230mm / 9.05"
Print Speed	- 25m/min. (82ft/min) at 360 x 360
Rewind	- 70kg weight (Max. Capacity), 630mm diameter, 76mm inner core
Press (L x D x H)	- 330cm x 170cm x 197cm / 129.92" x 66.93" x 77.56"

