

PicoJet[®] 330 & 254

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

PICOJET R/F

UV Inkjet Press



PicoJet® UV inkjet digital press is a modular printing system; choose a reel to reel press with a choice of 2 different print widths and speeds or a printing system with full inline finishing. PicoJet is suitable for medium 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.

Choice of Configurations

PicoJet® Digital UV Inkjet Press is available as with a print width of 330mm (can be expanded to print up to a width of 350mm according to customer requirements) or 254mm, either as a reel to reel system or with a range of finishing options. PicoJet can be configured either as a CMYK system, CMYK plus White or other configurations to offer wide colour gamut printing.

More Flexibility

PicoJet uses energy-efficient LED final cure with temperature controlled backup roller for temperature-sensitive substrates. PicoJet also incorporates static control, web cleaning, corona treatment and inter-colour pinning for quick change-over on a wide choice of substrates.

Built to Last, here to Stay

PicoJet 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 SuperWhite

Our high-opacity white ink allows greater design flexibility and printing on a wider variety of substrates including paper, film, foil and speciality stocks. PicoJet offers excellent white ink coverage, density and opacity even at high speeds.

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.

Outstanding Print Quality

PicoJet incorporates 600 dpi (further enhanced by Dantex software to give effective resolution of 1200 x 1200 dpi) at 2.5pl dot size, and prints exceptionally smooth tonal and solid areas for perfect, life-like images. Pin sharp text and bold colours with an extended colour gamut is achieved thanks to the proprietary screening software.

PicoJet Print Heads

The PicoJet press uses Ricoh heads, which are capable of running at speeds of up to 75 meters (250ft) per minute, and offer a drop size of 2.5 pL and a resolution of 600 dpi (further enhanced by Dantex software to give effective resolution of 1200 x 1200 dpi). PicoJet heads are robust and have anti-corrosion properties for use with UV inks.

Dantex's Advance Engineering development, means the screening software, combined with the head technology running at 2.5pL drop size offers superior print quality without any graininess.

The head assembly has been engineered to offer highly accurate printing with the added advantage of easy maintenance and servicing. The construction is robust, and gives excellent performance and an extended service life.

With PicoJet there is no need to prime substrates prior to printing and post varnishing and laminating is not required. Finished print jobs have excellent chemical, light and rub resistance properties.



Key Features of PicoJet

- Modular system.
- Available as reel to reel for offline finishing.
- Full inline finishing system available.
- Wide range of inline finishing options.
- Increased productivity, fast make-ready.
- 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.
- No post varnishing/laminating required.
- High production uptime.

Front-End Controller

PicoPilot



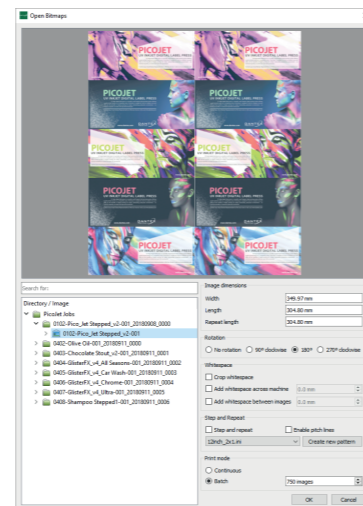
PicoPilot provides the operator with the tools to deliver high quality, colour accurate prints, quickly and consistently; all from within an intuitive and operator-friendly interface. PicoPilot enables the correct positioning of jobs in preparation for print.

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

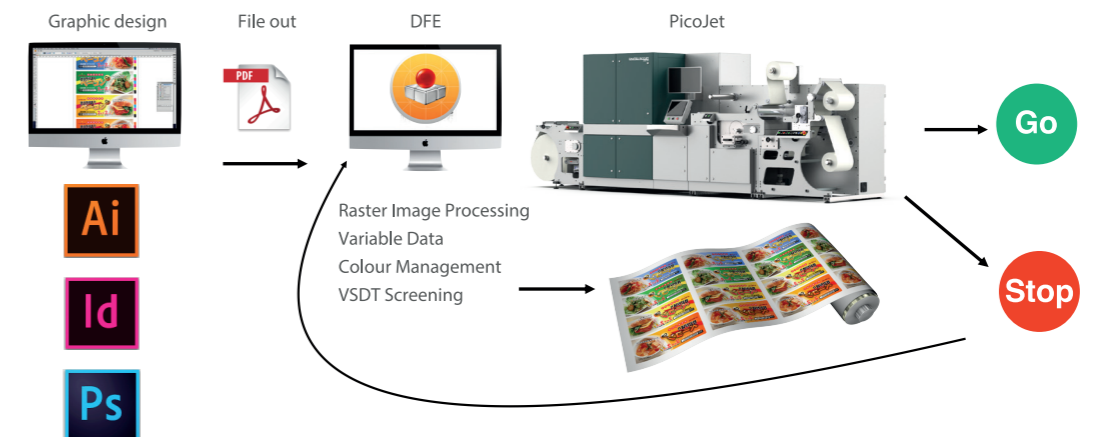


The MaxPrint software manages colour, ink and media, and provides the operator with the facility to access and configure jobs from within a single application environment. Workflow can be quickly and easily defined, controlled and monitored. Press-ready files are processed automatically via hot folders,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

PicoJet PRESS

Specifications

Standard Features of PicoJet 330 / 254

- CMYK Printing System
- Recirculating ink system
- Intercolour pinning
- Web Cleaner
- Specially designed ink delivery system
- Temperature-controlled backup roller
- Corona Unit
- Anti-static

Resolution	600 x 600 dpi (effective resolution of 1200 x 1200 dpi)
Number of Greyscales	4
Ink Type	Dantex Formulated Inks
Ink Configuration	5 Colours (Standard model)
Minimum Droplet Size	2.5pl
Substrate Support	Standard label substrates and unsupported film
Substrate Thickness	50-300 µm (Thickness dependent on material properties)
Unwind (Max. diameter)	760mm/30", 76mm/3" inner core
Power	63A 3 Phase + Neutral + Earth
Compressed Air	100 psi (5 to 6 bar) at 100 litres per minute

Options for PicoJet 330 / 254

- White / Varnish
- Variable Data
- Additional mark sensors

Options for PicoJet 330

- Full Rotary Die Cut Station & Matrix Remover
- Lamination
- Backslitter (Edge Trim)
- Slitter
- Flexo station options

Die Cutting Cylinders available - 8" - 24" (1/8 pitch increments)



PicoJet 330 (Reel to Reel)

Print Width	- 330mm / 13" (can be expanded to print up to a width of 350mm according to customer requirements)
Web Width	- 350mm / 13.78"
Print Speed	- 75m/min (250ft/min)
Rewind	- 760mm/30", 76mm/3" inner core
Press (L x D x H)	- 515cm x 170cm x 205cm / 202.76" x 66.93" x 80.71"



PicoJet 330 (Including finishing and/or flexo options)

Print Width	- 330mm / 13" (can be expanded to print up to a width of 350 mm according to customer requirements)
Web Width	- 350mm / 13.78"
Print Speed	- 75m/min (250ft/min)
Rewind	- 760mm/30", 76mm/3" inner core
Press (L x D x H)	- Dimensions dependant on final configuration



PicoJet 254 (Reel to Reel)

Print Width	- 254mm / 10"
Web Width	- 274mm / 10.79"
Print Speed	- 50m/min (164ft/min)
Rewind	- 760mm/30", 76mm/3" inner core
Press (L x D x H)	- 515cm x 160cm x 205cm / 202.76" x 66.93" x 80.71"

