



Overview / Features

- Print White & CMYK
- UV/LED Pinning for Durability
- High Speed
- Low, Med, Large Quantities
- Print & Cut Capability
- Variable Information Printing
- Re-Register for Printed Webs
- Quick Setup – Reduced Waste
- Prints onto wide variety of substrates
- Ability to Varnish & Laminate
- No Plate Required
- Produces Rolls

D-flex is a full colour (CMYK(W)), digital UK inkjet/ flexo hybrid press.

A true hybrid press, in every sense of the word – providing comprehensive, inkjet technology across a wide range of substrate and narrow web applications. The d-flex allows for roll-to-roll converting including in-line flexo printing, corona treatment, laminating, flood/spot varnishing, die cutting and perforating in one operation. It can also be used as a standalone flexo press for printing and converting plain or 1 colour labels. It uses the same tooling as our other flexo presses so our full library of cutter sizes are available to use.

The modular inkjet system is 223mm wide, with running speeds of up to 50mts/min. The d-Flex is based on Konica Minolta technology, a trusted global brand that has been manufacturing inkjet systems for many years. The CMYK head prints 600dpi and is UV cured, the dual white head is 300dpi and is LED pinned before full UV curing. The addition of white allows for printing onto transparent filmic substrates, aluminium foil or overprinting onto dark background colours.

A wide range of substrates can be printed without the need for special coatings such as paper, polyester, polyethylene and polypropylene. This means we can print onto most of our stock materials which includes specialist ranges from the likes of 3M and Avery Dennison. However, we do have an In-line corona treatment on the press which is designed to increase the surface energy of substrates to allow improved wettability and adhesion of inks, coatings and adhesives. As a result, the materials treated will demonstrate improved printing and coating quality, and stronger lamination strength.

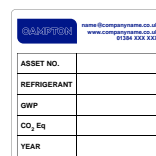
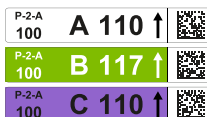
The press has servo technology where the print modules incorporate digital drive technology, reducing mechanical register errors and providing exceptional control over a wide range of substrates with point-to-point auto register control.

As the D-flex has digital print technology it is best suited to the following label categories:

- Multi sort, short runs – ideal as no plate charges and quick setup and design changes
- Multi colour industrial long-term labelling required on rolls
- High volume colour or mono variable information – quicker to convert in one pass over thermal transfer.

Applications / Sectors

- Personalised Labels
- Security Labels
- Variable Information
- Barcode
- Sequential Numbering
- Identification Products
- Industrial & Retail Products
- Much, much more...





THE LABEL CENTRE
SOLUTIONS FOR THE LABELLING INDUSTRY

Digital Flexo



Wide Format

A full colour, CMYK(W), digital UV solvent inkjet printing method.

- No Plate or Tooling
- Quick Set-up Time
- Micro, Low, Medium Quantities
- Colourgate Colour Management
 - ISIS2 Colour Profiler
 - Print & Cut Capability
 - Ability to Laminate
 - RFID Insertion
- Variable Information Printing
- Soljet Prints CMYK (Inc LM, LC, LK)
- LEC 540 Prints CMYKW + Varnish
 - High Print Quality 1440 dpi
 - Max Print Width 1370mm
- Almost Any Substrate upto 1mm Thick
 - Solvent Ink, Heat Dried
- UV Ink – UV Lamp Cured (Very Durable)
 - Under Surface Printing



Hot Foil

Machines which use heat to transfer foil onto the material leaving an impression.

- Print Metallic & Holographic
 - Print up to 6 Colours
 - Low Cost Tooling
 - Low, Med Quantities
 - Print & Cut Capability
 - RFID Insertion
 - Print onto Any Substrates
- Ability to Laminate & Emboss
 - Finish is Rolls or Sheets
 - Punching Tool

Our other capabilities include ...



Flexo

A flexible relief plate and rotary tooling to print onto almost any substrate.

- Plates & Tooling Required
- Medium to Large Quantities
 - Up to 6 Colours
 - Speed 60-120 mts/min
 - Ability to Laminate
- Ability to De-Lam & Re-Lam to Print Adhesive
 - Produces Sheets & Rolls
 - Turner bar – Reverse Print
- UV Varnish/1 UV Spot Colour
 - High Speed Plain Labels
 - UV & Water Based
 - Perforations, Under-Cutting
 - Adjustable Anvil
- Interchangeable Rewind Mandrels
 - Video Inspection



Bureau

Barcode and variable data

- Multiple barcode types
- Sequential numbering
 - RFID encoding
- Low – Medium quantities
- Print onto various substrates
 - Rolls or sheets
- No printing plate required



Finishing

Refined finishing and professional packaging

- 2 Rewind/Inspection Machines
- Semi-Automatic Full Width Core Cutting
 - 19.05mm up to 76.2mm Cores
 - 76.2mm Customer Branded Cores
 - Plastic Cores
 - Shrink Wrapping
 - Batch Identification
 - Branded Direct Shipping