

Industrial Imprinting System: Technical Preview

Industrial inkjet system for variable data imprinting

Fujifilm's Imprinting System offers variable data printing at industrial production speeds. It uses Fujifilm's inkjet technology, with images or information printed as text, logos, QR or barcodes, or any other form of customisation. In the era of mass customisation, imprinting is a great opportunity to add value.

Key features

- ▶ Industrial build with proven Fujifilm SAMBA inkjet technology
- ▶ Water-based or LED UV ink system
- ▶ Highly productive up to 150m/min
- ▶ Wide application range due to dedicated ink systems
- ▶ Impressive uptime and low maintenance
- ▶ Seamless and easy integration onto existing presses
- ▶ Highest performance single-pass Fujifilm ink and printhead technology
- ▶ Built in PDF data conversion (on the fly)
- ▶ Easy to operate job manager
- ▶ Remote access capability

Custom ink colours for individual brands

Fujifilm can supply custom colours that are purpose-designed to give strong vibrant images either as solid blocks of colour or as ultra-fine detailed images, if necessary formulated for individual brands. This guarantees a match with house colours used on the rest of the print and on other branded images, no matter which print process is used.

The power of mass customisation

Digital inkjet technology has one outstanding feature – it works with variable data. Print elements such as text or graphics can be changed on the fly, without stopping or slowing down the production or packing line.

Operators can imprint variable content on small production volumes where it wouldn't be economical to adjust the main label. Promotion flashes can be added for individual retailers. Other common imprints include version, language, batch, and locality indications.

No compromise on quality

Fujifilm inks can also be designed to be chemically identical to those used on the main part of the print. This means that the imprint can match the quality of the background. Colours are vibrant and durable, reflecting the quality the brand owner has designed into the product presentation.

Fujifilm's legendary status in image reproduction

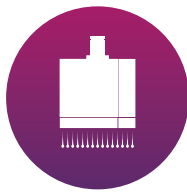
Fujifilm inks are precisely tuned in an integrated system to ensure consistency and outstanding reliability. Inks are optimised for Fujifilm Dimatix printheads and Fujifilm image optimisation software. By integrating print engine, inks and image optimisation, Fujifilm's Industrial Imprinting System offers stunning print quality and industry-leading reliability.



Fujifilm has a comprehensive range of technologies, products and services for the creation of new inkjet systems



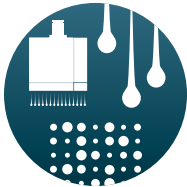
Inks



Printheads



Image optimisation



Integration

System configuration

Fujifilm's Imprinting System comprises single-colour inkjet print modules producing images up to 508 mm in width. Modules are configured in line (that is, not stitched side-by-side).

Industrial strength

The print modules are capable of running at 150m/min. The system components have proven themselves around the world to offer exceptional reliability in production environments, both separately, and as part of an integrated system.

Foolproof image alignment

To ensure the imprinted image appears in precisely the right spot, even at high speeds, line speed is tracked with an encoder, and the print can be triggered by a pre-printed register mark. In this way, every individual imprinted image is printed accurately and located where it belongs, making accrued misalignment impossible, and reducing wastage.

Easy to integrate

The Fujifilm Imprinting System can be installed as a new facility or integrated into existing production processes. The system is straightforward to operate, so the need for lengthy, in-depth training is minimised.

Industry-leading print modules for high speed

The system uses Fujifilm Dimatix Samba print modules. These industry-leading components feature the flexibility of piezo-electric drop-on-demand technology with the high throughput of continuous ink flow.

Continuous ink flow uses a patented RediJet® recirculation system. This ensures the printheads are quickly primed, with faster time to print, negligible ink wastage and outstanding reliability.

UV-curing and aqueous ink technology

Fujifilm's Imprinting System can be used with UV, LED UV and water-based inks. This ensures the system is suitable for imprinting in many different situations.

Technical specification

Fujifilm's Industrial Imprinting System	
Ink types	UV, LED UV, aqueous
Ink delivery	From sub tank with recirculation
Imprint image	Up to 508 mm
Image format	Support for graphics files inc. TIFF, PDF, binary, grayscale
Resolution	1200 dpi
Drop size	3 picoliters
Control system	Windows® 10 GUI
Interface	USB 2.0 and TCP/IP
Power	Power Universal AC 230/400VAC, three phase, 50/60 Hz, 16 Amps
Print module dimensions	Depends on configuration due to scalability and modular build

For further information:

Please contact your local Fujifilm partner.

web www.fujifilm.eu/flex **YouTube** Fujifilm Print **Twitter** @FujifilmPrint

Specifications are subject to change without notice. The name FUJIFILM and the FUJIFILM logo are trademarks of FUJIFILM Corporation. All other trademarks shown are trademarks of their respective owners. All rights reserved. E&OE.

FUJIFILM