

# Modular Imprinting Systems

Powered by FUJIFILM INKJET TECHNOLOGY



# Imprinting Solutions

[Product Guide](#)



# Why Fujifilm?

Fujifilm believes that our collective future of print is based on dynamic collaboration. Therefore, you deserve a partner who understands where you have been, where you are currently, and where you want to go. Fujifilm's business is anchored to the traditions of our industry and the historical relationship we have with the print community. When we combine our history of innovation and our commitment to product development with our enthusiasm for our customers' success, together we can achieve any vision you have for your company.

The image shows the letters 'FUJIFILM' in a large, bold, 3D font. The letters have a grainy, textured appearance, similar to a halftone or a fine-grained material. They are set against a dark background, and the lighting creates a sense of depth and shadow, making them look like physical objects. The letters are arranged in a single row, with 'FUJIFILM' being the first part of the word.

### History of Innovation

The Fujifilm difference is supported by 4 pillars of strength. Our long history and countless milestone achievements are proof of both our longevity and dedication to this amazing industry. Fujifilm grew up in this business and there is no substitute for the collective experiences we have had and the depth to our understanding of the business. Our portfolio truly spans the entire print industry and is purely the result of the other pillars. Our history of innovation drives a culture of progress.

### Global Strength

The culture within Fujifilm is rooted in respect and innovation. The care with which we engage clients and investment in solutions has been critical to our ability to create advances in technology and infrastructure. Being devoted to traditional business processes allows us to align with traditional hierarchy while also being innovative and disruptive. Our approach is born from mutual respect for others and a willingness to drive change.

### Local Partner

Fujifilm Graphic Communication Division (GCD) is full of passionate team members. While globally, Fujifilm invests in Research & Development at a frenetic pace (\$7 million dollars per day), locally, Graphics Communication Division (GCD) embraces a culture of relentless service & support. When it comes to innovation, we develop all our technology in house including printheads, inks, inkjet technology and image processing systems. And there is no better place to witness this than our remarkable Innovation Lab. Located in our North American Headquarters in Hanover Park, Illinois, just 30 minutes west of Chicago, the Fujifilm Graphics Innovation Hub (GIH) is here to showcase for you the newest innovations from Fujifilm's Graphic Communication Division. The GIH demonstrators have industry experience and are experts in the operation and use of our print equipment.

### Broad Portfolio

The Fujifilm portfolio is broad and is the result of our history of innovation, our corporate reach, and our local connections. The breadth of our portfolio aims to fulfill every sector of the print market and continues to grow as our customer's needs grow. We aim to support the most progressive leaders, the maniacally detailed operators, the environmentally conscious, and the creatives that realize the impact that print can have on brand equity.

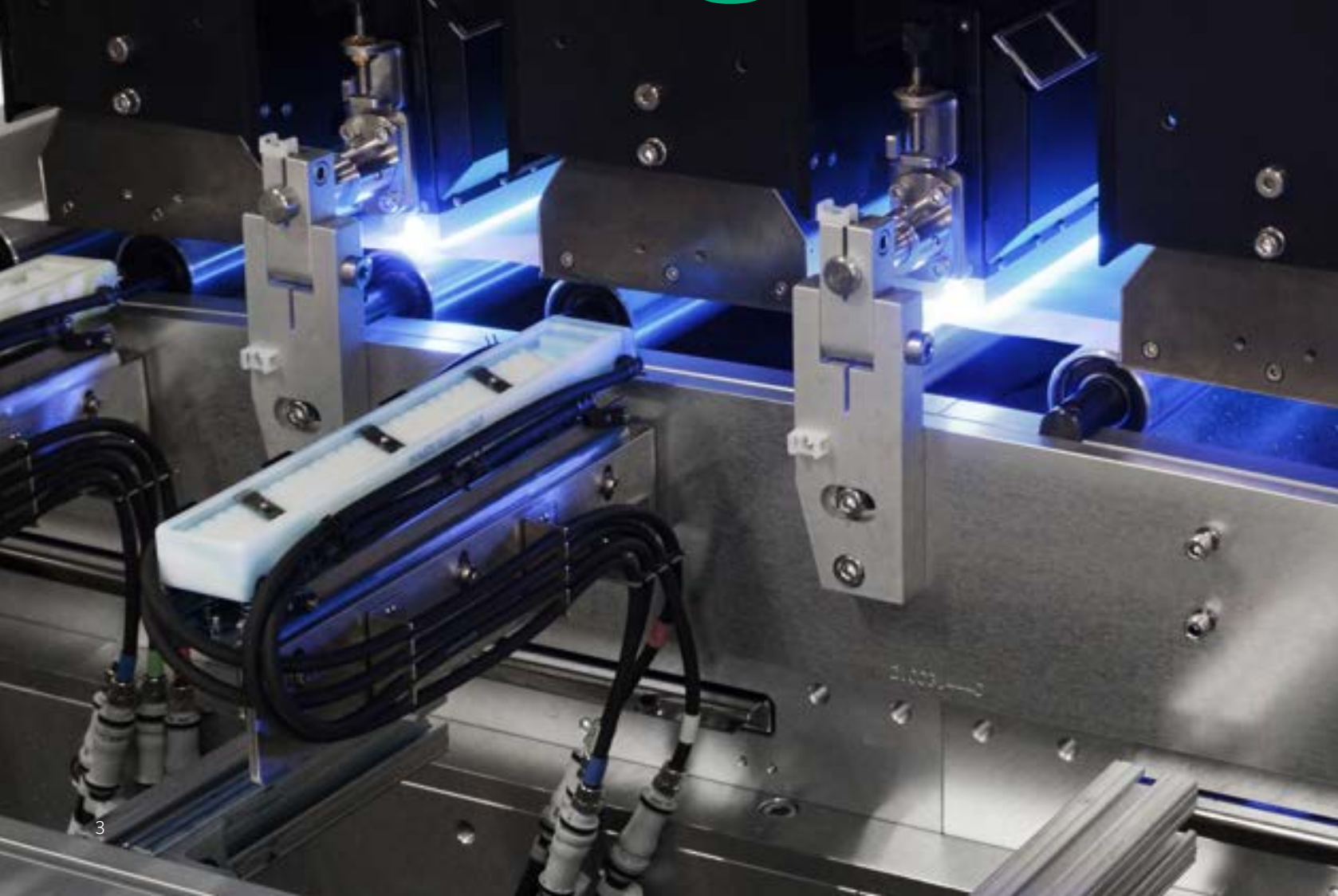


# Imprinting solutions

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Fujifilm's imprinting solutions allow digital inkjet printing to be integrated directly onto existing analog production lines for a broad range of printing and industrial applications.

# Industry-leading technologies



Fujifilm is unique in that it is a company that has developed its own industry leading core inkjet technologies, and added the ability to integrate these technologies into existing processes. This means that Fujifilm's printhead designers, ink technologists and integration specialists work together to ensure optimum system performance and reliability for the required application, and once built, are able to take ownership of the complete solution.

Fujifilm can therefore provide all components necessary to successfully integrate a digital solution into an existing production line:

- Printhead & printbar design
- Inks & substrates
- Electronics & software
- Print systems
- Transport systems (web and sheet)

What also sets Fujifilm apart are the industry leading printheads and ink at the heart of the company's imprinting solutions. Samba printheads are found in many of the industry's leading digital printing systems, as they combine the very highest quality, productivity and reliability, with the flexibility to be used with a variety of different inks and fluids. Fujifilm has now built these printheads into a number of scalable printbar configurations which, when combined with UV or aqueous ink technologies, result in best-in-class imprinting solutions.



# Scalable architecture design

**Fujifilm's imprinting solutions are based on a scalable architecture design, so the print width can be configured to meet the needs of a particular application.**

Due to the trapezoidal design of Samba printheads, scaling the printbar width is achieved with no compromise to quality, and results in a very efficient system design. In addition, the scalable system architecture means integrated components, electronic systems and software can all be scaled to create a system for the print width and color channels required.

## **From single printhead to complex multi-channel configuration**

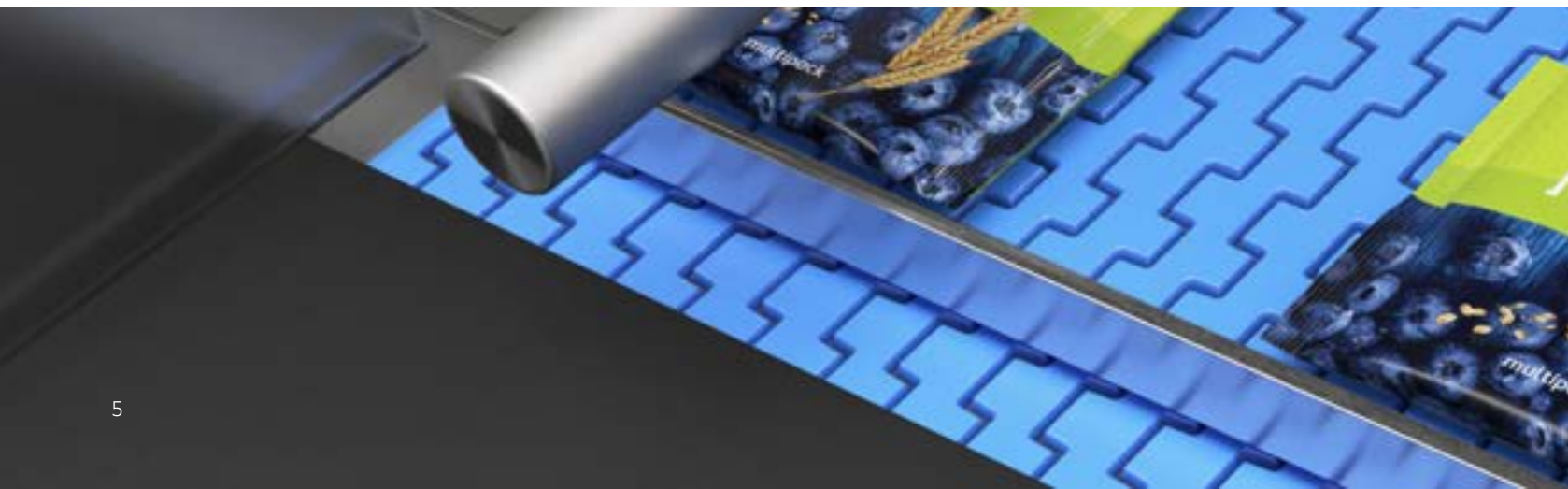
Printbar configurations can be scaled from a single printhead, single color system for coding, language changes or simple promotional versioning, to a printbar system with multiple printheads for the printing of full color images over wider print areas.

## **Wide ranging Samba printbar portfolio for any print width in 40 mm increments**

- Monochrome, spot color, process color
- Imprinting lanes for full digital print
- Digitize existing analog assets



**Due to Fujifilm's unique data processing architecture, the print width and number of printbars can increase to massive scales for industrial production."**



From a single printhead configuration...

# Easily scalable

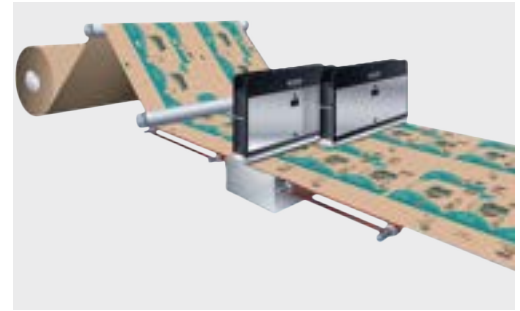
...to complex multi-channel configurations

Samba printhead. Not visible to the naked eye, 2048 nozzles are contained in the silver colored silicon chip which measures just 44 mm wide by 18 mm deep.



# Opportunities for inkjet to complement existing production processes

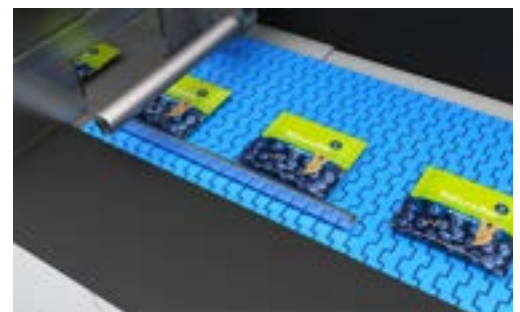
The Fujifilm imprinting range comprises a number of different scalable printbar solutions and formats, combined with a variety of different ink types. This means that there are opportunities for Fujifilm's imprinting solutions to be integrated onto many different types of production equipment, whatever the format.



1. Package converting in a web process



2. Package converting in a sheet process



3. Late stage packaging





# Applications

The wide variety of Fujifilm imprinting solutions makes it possible for many different applications to be enhanced by digital inkjet, from direct mail and transactional applications in commercial printing, to label, packaging and industrial production processes.



1. Direct mail



2. Commercial



3. Direct to food



4. Packaging



5. Industrial



6. Transactional

# Enhanced by inkjet





#### Key features

- Single pass inkjet imprinting system
- Each printbar contains a single 1.6" width printhead (40 mm)
- Up to 4 printbars per system
- 1200 dpi native resolution
- Speeds up to 1000 feet per minute
- Monochrome, spot color or 4-color
- Aqueous & UV

### Mini 4300 Series: versatile printbar system

The Mini 4300 has speed, performance and consistency in a compact form. This enables the incorporation of digital printing into an ever-expanding number of new applications and challenging conditions for equipment integration.

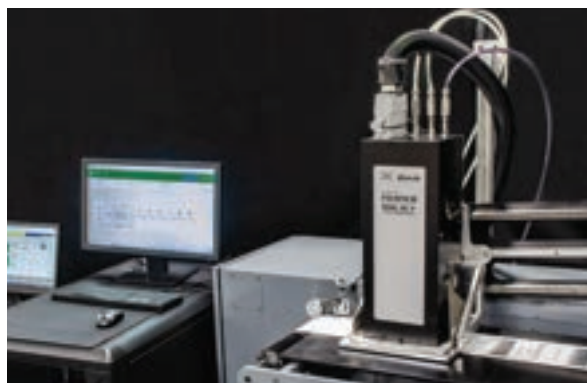


#### Key features

- Add 4-color variable print to existing equipment
- Compact for ease of integration
- Does not require printbar refurbishment
- Fast startup
- 1200 dpi or speeds of up to 300 m per minute
- Each printbar is small enough to be removed by hand for servicing or storage

### 12K Printbar: compact printbar system

The 12K Printbar System puts 4-color inkjet printing technology into an all-new condensed form. It supports use where space is limited, such as integrating into existing production equipment.



#### Key features

- Lane printing with 4.7" and 9.4" print width offerings
- Controller capable of running X-BAR and some existing legacy printers
- Workflow based on IJPDS page description language
- Familiar user interface to support transition from legacy technology
- Modular fluid management for future expansion
- No refurbishment needed

### X-BAR: drop-in imprinting solution

The X-BAR brings digital, variable data printing such as barcodes, text elements, logos and more, to conventional analog presses.



### Key features

- Maximum scalability to meet typical press widths
- Pre aligned to eliminate stitching
- Options for more monochrome, spot and process color printing
- Configurable software with fujifilm supplied workflow or connect to an existing customer workflow
- Imprint or full digital print capability
- No refurbishment needed

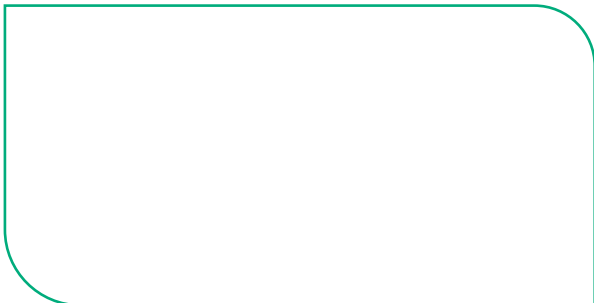
## 42K Printbar: scalable printbar system

**The 42K Printbar System is designed to add variable data printing to your conventional press in any print width needed, and is able to span the media from edge to edge.**

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Find more information at:  
[print-us.fujifilm.com](https://print-us.fujifilm.com)



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