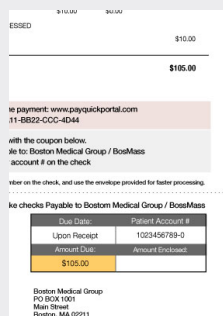


X-BAR Powered by FUJIFILM Inkjet Technology

An Industrial Inkjet Printing System



Direct mail



Transaction



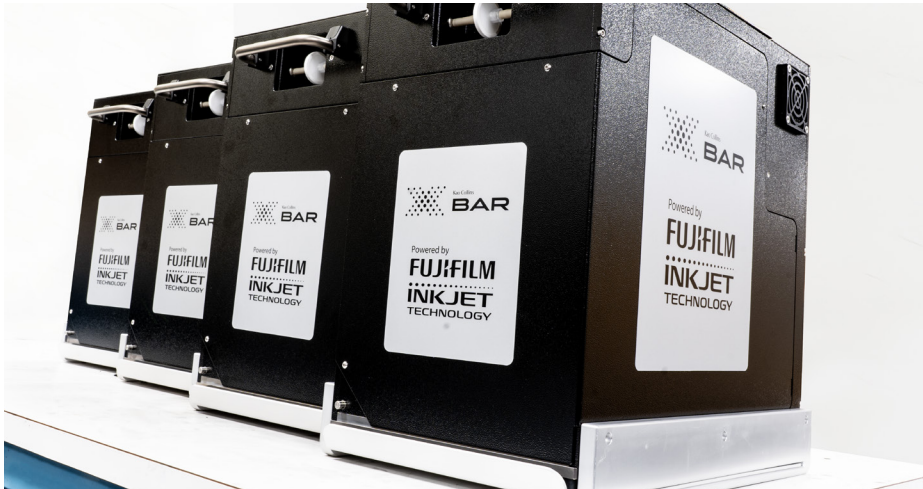
Packaging



Coding and marking

About the X-BAR

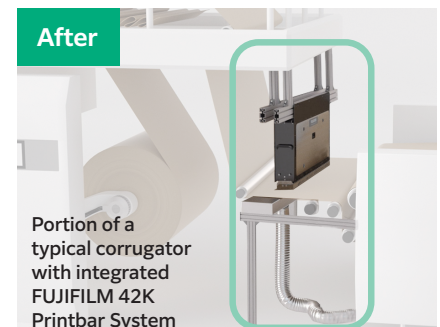
The system



The X-BAR Powered by FUJIFILM Inkjet Technology is designed to bring digital variable data to conventional presses in a reliable, cost-effective package.

- Less down time with no refurbishment cycles
- Cross-process resolution of 1200 dpi
- Speeds up to 1000' (305 m) per minute

What is inkjet integration?



Inkjet integration is adding digital inkjet capability to existing production lines.

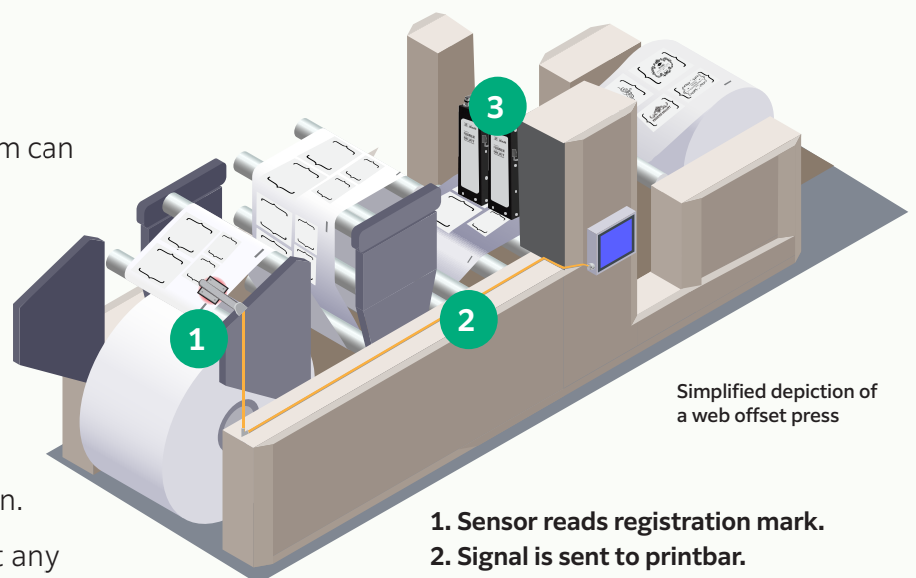
Technology Spotlight: Imprinting Synchronization

Fujifilm's imprinting synchronization algorithm can sense registration marks at over 1000 fpm.

This algorithm analyzes the marks to adjust printing in real time. If a trigger mark is missing, the algorithm auto-compensates to hit the next location without affecting operation.

The algorithm can also compensate for drifts of pre-print spacing over the print run.

The algorithm can be programmed to print any number of images from one registration mark.



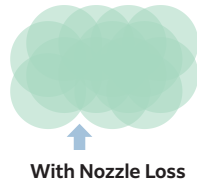
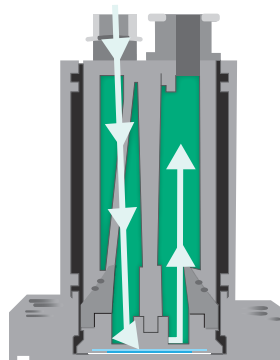
1. Sensor reads registration mark.
2. Signal is sent to printbar.
3. Printbar adjusts imprint location as needed to match pre-print.

Technology

Fujifilm has leveraged its imaging and information technologies to create an integrated print system that is adaptable to virtually any printing need.

REDIJET®

Fujifilm's patented REDIJET ink recirculation system keeps ink flowing all the way to the jetting nozzles, which allows for fast startup, high uptime, and easy cleaning.



Nozzle Redundancy

Fujifilm's SAMBA® printheads have 32 rows of nozzles each and are capable of multi-pulse waveform. These provide redundancy in the event of nozzle loss.

Workflow

The X-BAR workflow architecture supports PDF and IJPDS formats, enabling a seamless transition from legacy equipment. With a range of RIP technologies, Fujifilm systems are adaptable to different print workflows.



No Refurbishment Required

Fujifilm's integrated print systems are designed and built to exacting standards in order to minimize the down time required for refurbishment and repair.



Worldwide reach

FUJIFILM Integrated Inkjet Solutions provides global support for its customers. Fujifilm customers benefit from fully integrated, reliable print systems built to industrial standards. This includes production-ready, multi-color print systems fully integrated into the production process.

Technical specifications

Parameter	X-BAR Print System
Printbar dimensions	4.7 in (11.9 cm) printbar: 7.6 x 7.4 x 21.5 in [19.3 x 18.8 x 54.6 cm]; 37.5 lbs. [17 kg]
	9.4 in (23.9 cm) printbar: 26.1 x 6.1 x 26.7 in [66.3 x 15.5 x 67.8 cm]; 56.2 lbs. [25.5 kg]
Print Speed & Resolution	Cross process resolution 1200 dpi
	4.7 in. printbar
	1000 fpm [305 mpm] (Resolution: 1200x600 dpi)
	300 fpm [91.4 mpm] (Resolution: 1200x1200 dpi)
	9.4 in. printbar
	1000 fpm [305 mpm] (Resolution: 1200x300 dpi)
Color and Quality	1000 fpm [305 mpm] (Resolution: 1200x400 dpi)
	615 fpm [187.5 mpm] (Resolution: 1200x600 dpi)
	300 fpm [91.4 mpm] (Resolution: 1200x1200 dpi)
	Monochrome
	Native drop size 2.4 or 3.5 pL
	Max drop size 13 pL
	Smallest font 2 pt (4 pt knockout)

Parameter	X-BAR Print System
Fluid	Aqueous - dye, pigment, or dye-pigment hybrid inks
	Bulk ink container available in 20L, 210L, and 1000L
Print Controller	Intermediate reservoir to allow for continuous printing while bulk container is being replaced
	Uses Kao Collins' Universal Controller
File Format & Page Data Stream	Accepts PDF and IJPDS
	For legacy transaction data streams, a third party conversion utility may be required
Interfaces	Windows® 11 and Web Visualization
Print Controller Dimensions	45.3 in x 23.5 in x 39.2 in, 337.3 lbs. (115.1 cm x 59.7 mm x 995.7 mm, 153 kg)
Fluid Station (1-color, primary)	40.4 in x 23.9 in x 26.2 in, 220.5 lbs. (1027 mm x 608 mm x 665 mm, 100 kg)
Power	200-240 VAC, 1 Phase, 50/60 Hz, 20 amps for single printbar controller
	220-240 VAC, 1 Phase, 50/60 Hz, 16 amps for multiple printbar controllers
	110-240VAC, 1 Phase, 50/60Hz, 30A max for ink cabinet

*Capabilities may vary depending on application and substrate

Global resources

With office locations in every major geographic region, Fujifilm provides the latest technology quickly and is there to help at any time. Some of our locations include:

- FUJIFILM Australia
- FUJIFILM Canada
- FUJIFILM Mexico
- FUJIFILM Europe
- FUJIFILM Unigraphics
- FUJIFILM New Zealand
- FUJIFILM North America
- Offices in every major European country



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