

FUJIFILM 12K Printbar System

A 4-Color Print System for Existing Production Lines



Direct mail



Packaging



Corrugated

About the 12K

The system



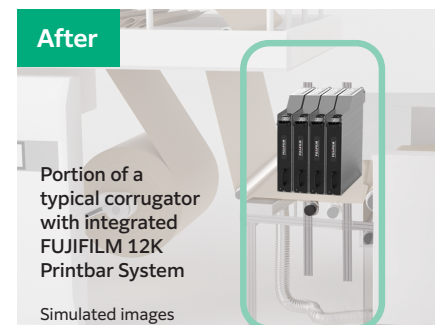
The FUJIFILM 12K Printbar System is a turnkey digital inkjet system for adding variable data or short-run print to analog pre-printed shells (imprinting) or full print up to 5 inches (127 mm) wide on a range of products.

Four-color production in only 21" in the process direction

No printbar refurbishment required

Speeds up to 1000' (305 m) per minute

What is inkjet integration?



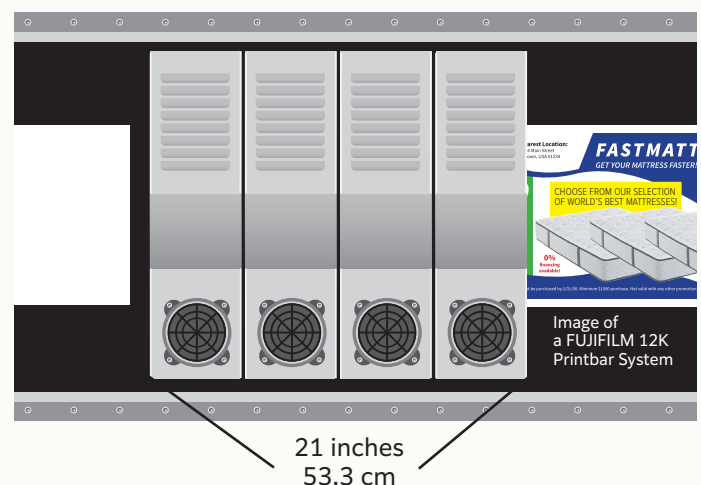
Inkjet integration is adding digital inkjet capability to existing production lines.

Technology Spotlight: Size in Process Direction

Fujifilm's engineers have developed the FUJIFILM 12K Printbar system as a solution for adding four-color print in limited spaces, such as existing production equipment.

It features numerous proprietary technologies to create this compact print system. They include:

- Liquid-cooled drive electronics
- Dynamic fluid control
- Quick and accurate color registration



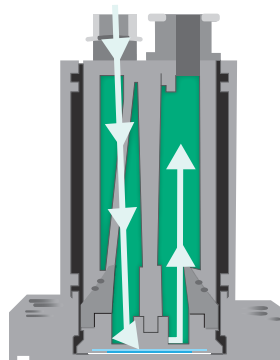
A four-color FUJIFILM 12K Printbar System takes up only 21 inches (53.3 cm) in the print direction.

Technology

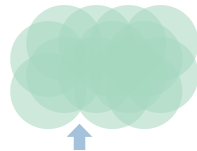
Fujifilm has leveraged its imaging and information technologies to create an integrated print system that is adaptable to virtually any printing need.

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.



With No Nozzle Loss



With Nozzle Loss

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.

Energy Dissipation Technology

The forces resulting from jet actuation, even when carefully controlled, can be detrimental to printing performance. Fujifilm's energy dissipation technology absorbs and reduces this low frequency energy.



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	12K Print System
Printbar dimensions	Up to 5.0 inches / 127 mm
	13.9 x 5.0 x 26.3 in [352.4 x 127.8 x 667.0 mm]; 58 lbs [26.3 kg]
Print Speed & Resolution*	Cross process resolution 1,200 dpi
	425 fpm / 129.5 mpm (Resolution: 1200x1200 dpi)
	615 FPM / 187.5 mm (Resolution: 1200x600 dpi)
	1000 FPM / 304.8 mm (Resolution: 1200x300 dpi)
Color & Quality	Monochrome
	CMYK (CMYK to monochrome conversion)
	2-bit grayscale
	Native drop size 2.4 pL
	Max drop size 13pL
	Smallest font 2pt (4pt knockout)*

Parameter	12K Print System
Fluid	Aqueous, UV and solvent inks
	Bulk ink container available in 20L, 210L, and 1000L
	Intermediate reservoir to allow for continuous printing while bulk container is being replaced
Print Controller	Print queue management using Job Tickets and Hot Folders
	RIP-Stream; simultaneous RIP and print
	RIP-to-TIFFs; jobs are ripped in advance and saved as ready to print TIFFs
	Output synchronization for simplex or duplex printing
File Format & Page Data Stream	Accepts PDF and TIFFs
	For legacy transaction data streams, a third party conversion utility may be required
Interfaces	Windows® 11 and Print Engine Control Software (PECS)
Print Controller Dimensions	59.6 in x 19.6 in x 71.65 in, 800 lbs. (1515 mm x 499 mm x 1820 mm, 363 kg)
Power	208-240VAC, 1 Phase, 50/60Hz, 20 amps max

*Capabilities may vary depending on end user 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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