FUJIFILM
Value from Innovation

FUJIFILM 12K Printbar System

A 4-Color Print System for Existing Production Lines

FUJIFILM Integrated Inkjet Solutions
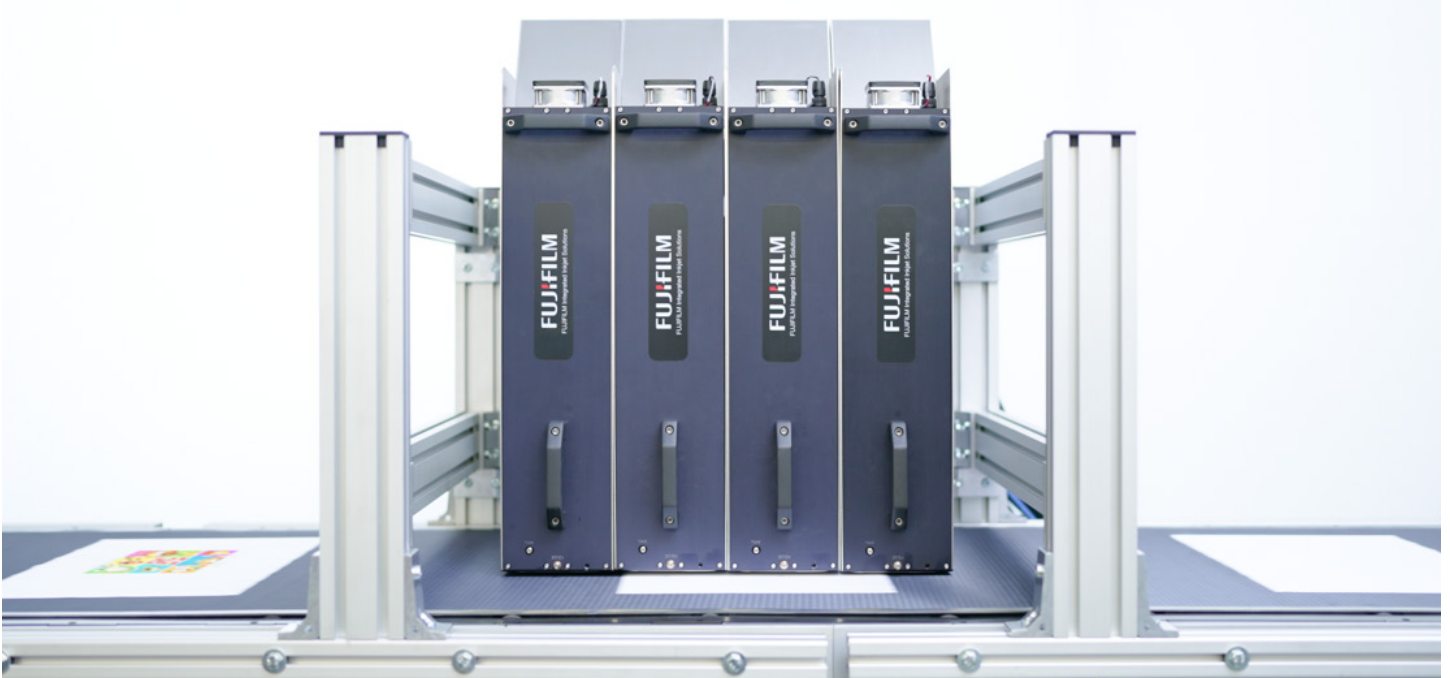
FUJIFILM 12K Inkjet Printbar System

Image of a FUJIFILM 12K Printbar System

Pushing the limits of size and speed through innovation

The FUJIFILM 12K Printbar System puts 4-color inkjet printing technology into an all-new condensed form. It supports use in limited spaces, such as integrating into existing production equipment. It occupies only 21 inches (53.3 cm) in the print-process direction.

The FUJIFILM 12K Printbar System can be used across a wide variety of market segments, including:

- Commercial printing
- Direct Mail
- Transactional
- Folding Cartons
- Corrugated

It 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.

In high-production rate operations, efficiency is key and the FUJIFILM 12K Printbar System was designed with this in mind.

Talk to our team about how to incorporate the FUJIFILM 12K Printbar System into your existing analog process for a value-added edge.

21 inches
53.3 cm

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

Features and specifications
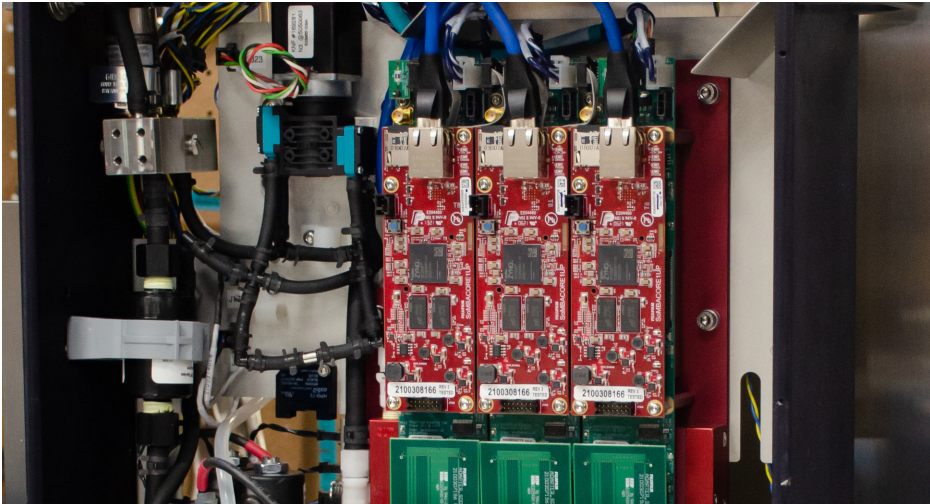
Compact performance

Small size means digital inkjet can be added to more production lines.

Speed and quality

Capable of 1200 dpi or speeds of up to 1,000 feet per minute.

Low cost of ownership

Compared with most legacy continuous inkjet solutions, the FUJIFILM 12K Printbar System does not require printbar refurbishment, which may enable less inventory.
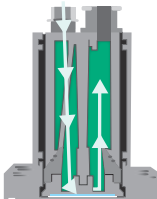

Printhead drive electronics

Technical specifications

Parameter	Specifications
Print Width	Up to 5.0 inches / 127 mm
Print Speed & Resolution*	Cross process resolution 1,200 dpi 425 FPM / 129.5 mm (Resolution: 1200x1200 dpi) 615 FPM / 187.5 mm (Resolution: 1200x600 dpi) 1000 FPM / 304.8 mm (Resolution: 1200x300 dpi)
Fluid	Aqueous, UV and solvent inks
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)*
Control Parameters	
Interfaces	Windows® 10 and Print Engine Control Software (PECS)
Variable Data	Yes
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	
Printbar Dimensions	
1 printbar	13.9 x 5.0 x 26.3 in [352.4 x 127.8 x 667.0 mm]
Power	
Multiple printbar controller	208-240VAC, 1 Phase, 50/60Hz, 20 amps max

*Capabilities may vary depending on end user application and substrate

Liquid-cooled drive electronics

Compared to air-cooled systems, liquid cooling provides improved cooling performance, enabling smaller system size.

REDIJET®

Fujifilm's patented REDIJET ink recirculation system allows for fast startup and easy cleaning.

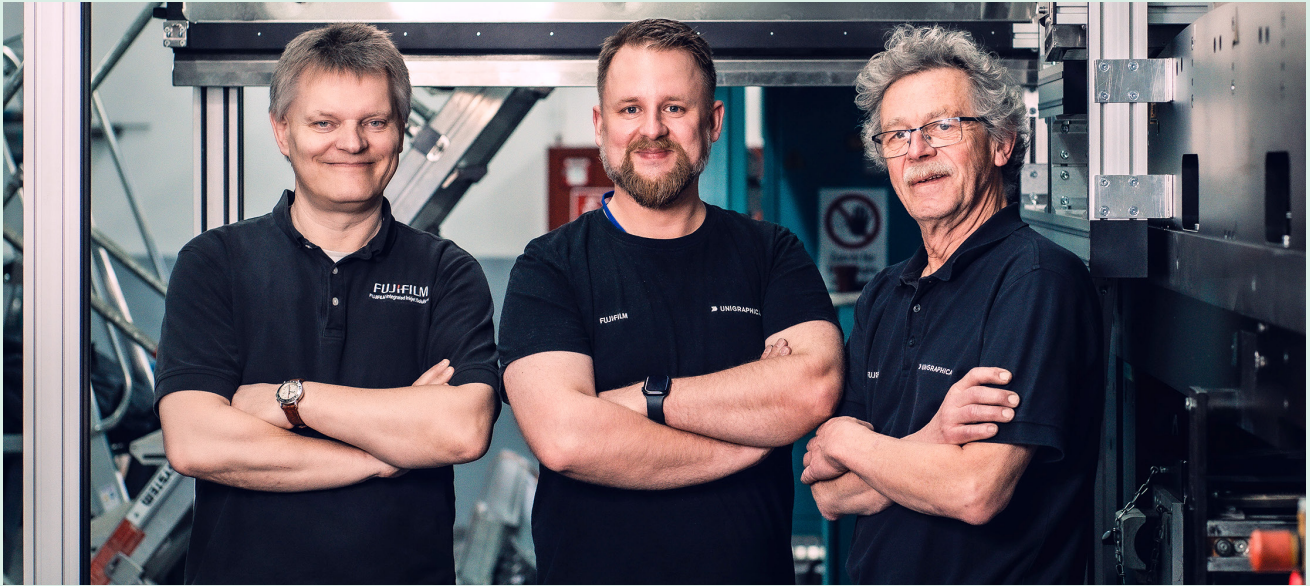No nozzle out   Nozzle out

Nozzle redundancy

Fujifilm's SAMBA® print systems have 32 rows of nozzles per printhead, which provides redundancy in the event of nozzle loss.

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.

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 Unigraphica
- FUJIFILM New Zealand
- FUJIFILM North America

- *Offices in every major European country*

Scan here to learn more!

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