



FUJIFILM 42K Printbar System

by FUJIFILM Integrated Inkjet Solutions

Fujifilm's dedication to the success of its customers in production environments has resulted in an inkjet printing system with high uptime, productivity, and quality. The system can seamlessly integrate into your current operation and offer the benefit of digital printing to your clients.

The FUJIFILM 42K Printbar System uses the renowned FUJIFILM SAMBA® printhead in a highly configurable form. With 1,200 dpi, the FUJIFILM 42K Printbar system is designed to meet your print requirements from single page to multiple pages in any print width needed, and with print speeds over 1,000 feet per minute (i.e. 300 meters per minute).

This advanced printing solution boasts a range of Fujifilm-developed technologies targeted to meet your needs for productivity, high uptime, and reliability with smooth production and quality output. This system can scale with the needs of your printing business in support of growing applications, including customer communications, publishing, and packaging:

- Personalized direct mail
- Form-based transaction imprinting
- Book and publication printing
- Corrugated cartons
- Folding cartons
- A broad range of coding and marking



FUJIFILM 42K Printbar System Features

The FUJIFILM 42K Printbar System boasts a range of Fujifilm-developed technologies targeted to meet your needs for productivity, high uptime, and reliability to ensure smooth production and quality output.

Profitability

Fujifilm's add-on imprinting solutions are key ingredients for digitizing your conventional equipment with high quality inkjet printing. Adding digital inkjet to conventional equipment reduces typical process steps and allows continued use of existing analog printing assets. As compared to users of most legacy continuous inkjet solution printers, 42K Printbar System users tend to need less spare inventory and less printer refurbishment, resulting in less costly printbar upkeep.

High up time

The FUJIFILM 42K Printbar System leverages Fujifilm's patented REDIJET® ink recirculation system. This system ensures that ink is constantly recirculating in a closed loop that will not disrupt printing within the system. As a result, the system provides fast startup time and simplified printhead cleaning procedures.

Reliability and Quality

The silicon MEMS design of our FUJIFILM SAMBA printhead is rated for trillions of actuations for profitable operation. Coupled with the REDIJET® patented ink recirculation system, this ensures uninterrupted production with limited need for printhead refurbishment. The system's fluid management is compact and delivers printing fluids to meet system demand and to ensure consistent quality.

Flexibility

The FUJIFILM 42K Printbar System is designed with print producers in mind to enable maximum benefit from your existing investments in analog presses, feeding equipment, and finishing equipment. Since the 42K System can be integrated in line with your system, you can maximize your productivity and return on investment while supporting existing, legacy or proprietary workflows. These will be integrated into our print controller and fluid management technologies to deliver a compact and capable system designed to meet your needs for monochrome, color, or specialty printing.

In addition, various options are available for purchase with the 42K System to provide further flexibility:

- Dryers
- Transports
- Splice avoidance
- Automatic real time insetting
- Mounting and integration
- Extended service and support
- Rotating head assemblies (align to arched webs)

Scan to learn more!



Technical Specifications

Parameter	FUJIFILM 42K Printbar System
Print Width	Scalable to meet application needs in 1.6" increments
Print Speed & Resolution	Cross process resolution 1,200 dpi
	425 FPM / 129.5 MM
	615 FPM / 187.5 MM
	1,000 FPM / 300 MM, 1800 fpm/548 mpm in dual array configuration
Fluid	Aqueous dye inks
	Manual or automatic nozzle maintenance Bulk Ink container with level sensing
Color & Quality	Monochrome
	C,M,Y,K (C,M,Y,K, to monochrome conversion)
	2-Bit grayscale
	Native drop size 2.4 or 3.5 pL
	Max drop size 13pL
	Smallest font 2 pt (4 pt knockout)
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
Print Verification	Verifies up to the first ten pages before printing for items such as: separations, cut marks, barcodes, dimensions, and density
File format & Page Data Stream	PDF (including ISO 32000-1 and 32000-2 PDF 2.0), PDF/VT
	TIFF; can be generated with the included RIP software or off-line For legacy transaction data streams, a third party conversion utility may be required
Interfaces	Windows® 10 and PECS
Power	208-240VAC, 1Phase, 50/60Hz, 20A Max for single printbar control
	208-240VAC, 3Phase, 50/60Hz, 40A Max for multiple printbar control
	110-240VAC, 1Ph, 50/60Hz, 30A Max for Ink Cabinet



inkjet-integration.fujifilm.com

fdmxfiscustservice@fujifilm.com



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PDS00125 Rev. 05 6/22/2021