

FUJIFILM HX1024 Printbar System

An Industrial Inkjet Printing System for Building Materials



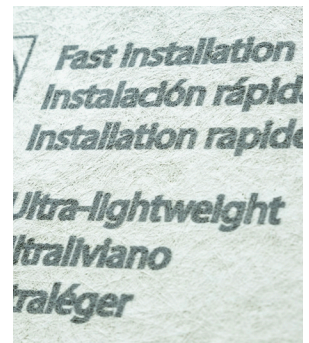
Housewrap



Fiberboard



Sandpaper



Drywall

About the FUJIFILM HX1024 Printbar System

The FUJIFILM HX1024 Printbar System brings full-color customizable digital printing to building products. Add high-quality, high-speed digital inkjet to products such as housewrap, sandpaper, drywall, laminate, and more.



With FUJIFILM on-demand digital inkjet, building supply printers can avoid upfront costs and wasted inventory. SKUs can be consolidated and printed just-in-time, without having to store quantities of different variations.

The FUJIFILM HX1024 Printbar is the first product designed and built by Fujifilm that supports full variable data printing using the FUJIFILM Dimatix STARFIRE® SG1024 printhead.

The SG1024 is capable of printing with high standoff. Metal nozzle plates resist abrasion; Internal assemblies are replaceable if damaged.



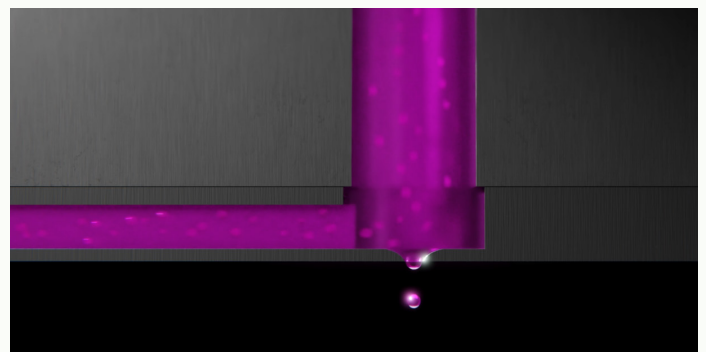
Technology Spotlight: REDIJET®

With Fujifilm's REDIJET® ink recirculation, ink is always moving through the printhead.

REDIJET® includes numerous proprietary technologies for continuous ink recirculation at the nozzle.

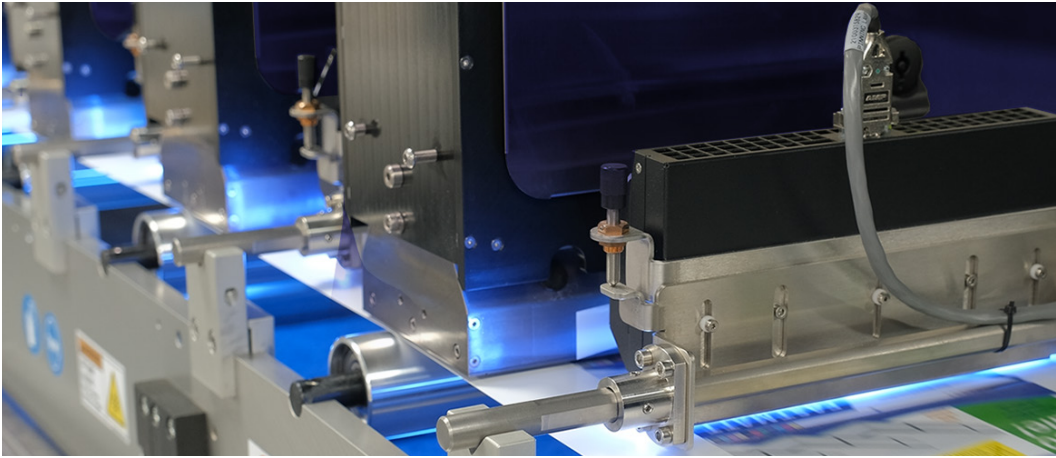
For fast-curing UV inks, the constant motion helps prevent clogging or settling.

With REDIJET, printheads are always ready to print, resulting in improved startup and restart time.



Technology

Fujifilm has leveraged its imaging and information technologies to create an innovative method to print on building materials.



LED energy savings

Moving from mercury-based lamps to LED curing lamps results in significant savings. Mercury bulbs are highly regulated in some countries. LED curing is not known to be regulated in any country and is ready instantaneously.



Flexibility for fitting into tight spaces

Fujifilm maintains a variety of mounting designs and printing systems. These include top, side, or bottom mounts for the maximum number of integration options to support customers.



Liquid cooling

The FUJIFILM HX1024 Printbar System features liquid-cooled electronics, which have a higher level of efficiency and protect the system electronics by removing the need to pull in outside air.



Worldwide reach

FUJIFILM Integrated Inkjet Solutions provides global support for its customers. 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	FUJIFILM HX1024 Printbar System	
Printbar Dimensions	Print Width	Dimensions
	30 in	46.2 x 27.7 x 9.1 in (1175 x 705.6 x 233.2 mm); 250 lbs (113.4 kg)
	40 in	57.1 x 27.7 x 9.1 in (1450.4 x 705.6 x 233.2 mm); 265 lbs (120.2 kg)
Print Speed & Resolution	Cross process resolution 400 dpi	
	500 FPM / 152.4 m/min (Resolution: 400x200 dpi)	
Color & Quality	Monochrome	
	CMYK	
	1-bit and 2-bit (or multi-level) grayscale per pixel	
	Native drop size 80 pL	
	Max drop size 200 pL	
Fluid	Smallest font 10 pt	
	LED-curable UV inks	

Parameter	FUJIFILM HX1024 Printbar System	
Print Controller	Print queue management using Job Tickets in local or network file locations.	
	Output synchronization for simplex or duplex printing	
File Format & Page Data Stream	PDF	
	TIFF	
Interfaces	Windows® 11 and Print Engine Control Software (PECS)	
	208-240 VAC, 1 Phase, 50/60 Hz, 30 A max	
Power	Trigger and Encoder	208-240 VAC 1P 15A
	(Accessories - not included)	
	Automated Motion	208-240 VAC 1P 15A
	LED curing lamp	208-240 VAC 1P 6400W

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 New Zealand
- FUJIFILM North America
- Offices in every major European country



Scan here to learn more!



PDS00172 Rev. 01 09/16/2026