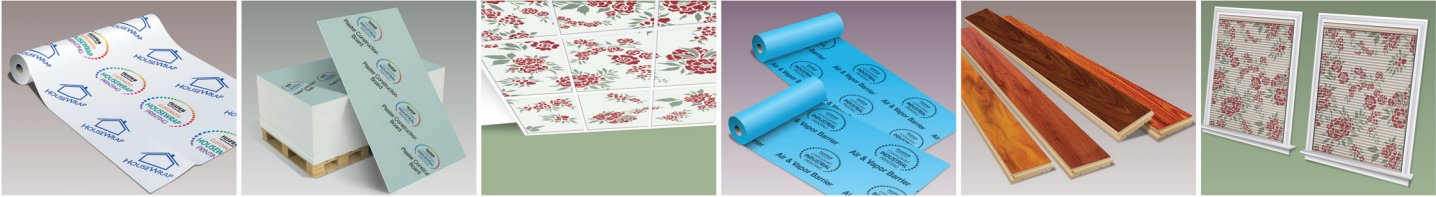




StarFire SG1024 Industrial Inkjet Printing System

High speed printing with configurable widths for printing construction materials and decorative applications



The Fujifilm StarFire SG1024 Industrial Inkjet Printing System is a piezo inkjet printer that primarily supports the construction industry

FEATURES:

- World Leading Fujifilm Dimatix StarFire printheads
- 20-inch standard with configurable print widths
- Supports up to 8 printbars/colors
- Ideal for printing housewrap decorative applications
- Inks made specific for this application
- Support for monochrome, spot, full color and grayscale
- Operates stand-alone or via line control interface
- Optional touch screen operator interface
- Accepts industry standard graphic file formats
- High speed industrial communications

The Fujifilm StarFire SG1024 Industrial Inkjet Printing System is an industrial piezo inkjet printer that supports the construction industry. The system utilizes Fujifilm Dimatix StarFire SG1024 printheads configured for your requirements. The system can be ordered and delivered in a range of widths from 2.5 to 85 inches. With up to up 8 printbars, the system can print spot colors and beyond with process colors enabled by cyan, magenta, yellow and black. Support for up to 8 individual product triggers is possible allowing for each printbar to have its own timing.

The StarFire SG1024 industrial system's mechanical interfaces allow for easy integration and placement into an existing manufacturing production line or as an solution. The printbars have all the required technology to operate stand-alone which enables them to be placed in normally inaccessible or high positions on the production line. The controller may be operated in a stand-alone mode or via standard industrial line control interfaces. A graphical user interface, monitor, and keyboard allow for the local access and control of functional parameters. The GUI is based on the Windows® 7 operating system and provides access to all the system features through an easy to use and intuitive touch-screen interface. The controller enclosure is constructed of rugged powder coated sheet metal or optional stainless steel. Industrial quick release electrical cables interconnect the controller with the desired printbars and are optimized to accommodate specific jetting characteristics and agency regulation requirements.

RediJet® Recirculation

Through continuous ink recirculation directly behind the nozzle and several innovations including nozzle plate design, enhanced on-head electronics, and wave-forms tailored to specific fluids, Redijet unlocks the full productive potential of StarFire SG1024 printheads. Redijet allows the printheads to be quickly and easily primed, resulting in faster time to print, minimal ink waste and greater reliability.

VersaDrop™

Fujifilm Dimatix' breakthrough VersaDrop allows multiple fixed drop sizes in binary mode and greyscale capability from one printhead, with no loss to productivity. Each StarFire SG1024 printhead has 1024 independent channels arranged in 8 rows in a single nozzle plate for resolutions up to 400 dpi. All 1024 nozzles can be fired simultaneously or individually.

Parameter	StarFire SG1024 Printhead
Printbar Parameters	
Line speed	Up to 500 feet per minute [12.7 meters per minute]
Number of colors (fluids)	Up to 8 (process, spot, monochrome or grayscale) optional 2 color per bar
Print width	Configurable 2.5 in. to 85 in.
Fluid Parameters	
Operating temperature	Up to 60°C
Ink type	LED and UV-curable
Print Parameters	
Input image file format	Most graphics files [TIFF, JPEG, PSP, BMP, EPS, AI] monochrome & grayscale
Cross process resolution	200/400 dpi
Process resolution	Adjusted as required
Control Parameters	
Product trigger sensors	12V NPN or PNP (up to 8)
Operating system	Windows® 7
Control system	Fujifilm Print Engine
Interfaces	GUI or remote application over IP
Physical Parameters	
Power	Universal 200-240 VAC 50/60 Hz 20 Amps
Dimensions	Height = 49 in. [124.5 cm], depth = 7.75 in. [19.7 cm] Print width = 10 to 85 in. [25.4 to 215.9 cm] depending on number of printbars

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