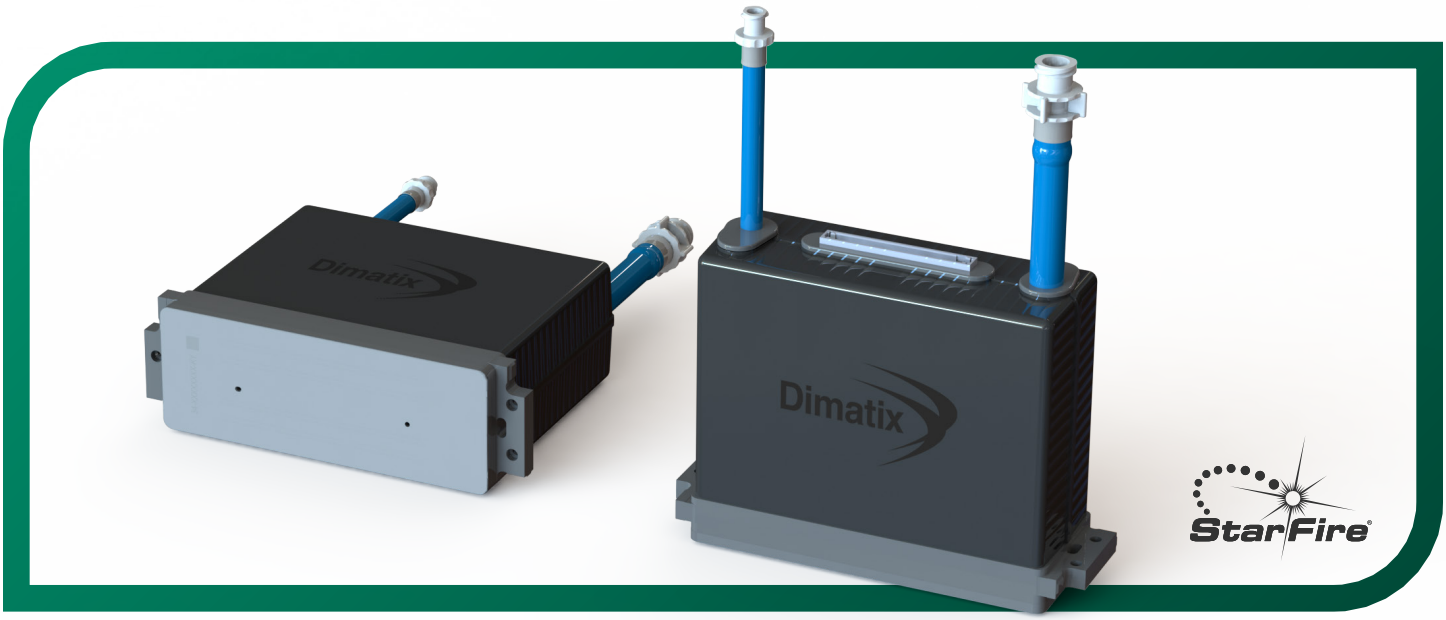
FUJIFILM
Value from Innovation



STARFIRE® SG1024

A-Series

Designed for Aqueous, Solvent and UV Curable Inks

The FUJIFILM Dimatix STARFIRE SG1024 is purpose-built for today's demanding high-speed scanning and single-pass industrial systems designs. It is high-performance piezoelectric drop-on-demand printhead for one or two-channel configurations and resolution of up to 400dpi. It uses field proven components to deliver consistent output over a long service life with REDIJET® continuous ink recirculation. The printhead is fully repairable. It is equipped with a replaceable metal nozzle plate assembly that is designed to withstand abrasion and resist damage. The unit is compatible with solvent, UV-curable and aqueous ink formulations.

Performance

- 400dpi resolution with drop sizes ranging from 6–200pl that allow for optimal and efficient use of ceramic inks
- 1024 individually addressable jets
- Versadrop binary and grayscale jetting with open and editable waveform utility
- Single and two-channel configurations

Productivity

- It enables ink jetting at up to 50kHz, delivering speeds exceeding 190m/min at 400dpi for meeting a range of applications
- REDIJET® — Dual recirculation for reliable jetting & Support fast system start-up
- Maximize uptime for high productivity and return on investment
- Enables robust system design for end user up-time and productivity

Durability

- Industrial capabilities meet customer demands in challenging environments
- Robust (repairable) design enabling cost-effective maintenance and support
- Reliably use broad range of inks.

Support

- Backed by an exceptional support organization
- Dedicated worldwide field organization to ensure successful product development
- Lab and quality assurance investigative team to ensure satisfaction with FUJIFILM Dimatix products through your product lifecycle

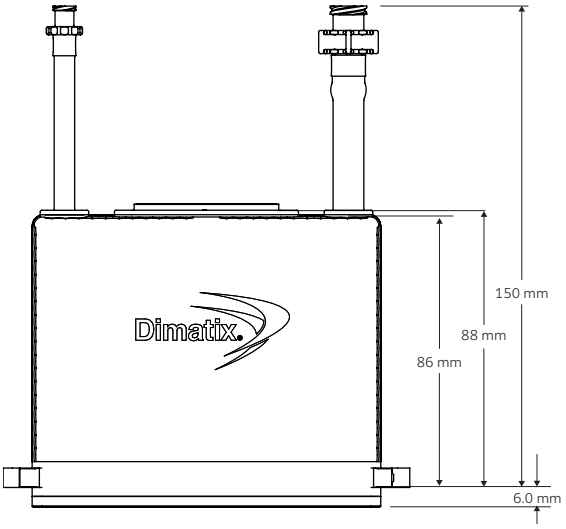
Dimatix

Technical Specifications

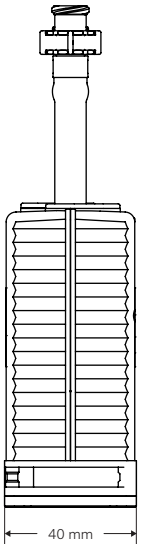
STARFIRE SG1024	XSA	SA	MA	LA	SA2C	MA2C	LA2Ci
Number of Addressable Jets / Module	1024						
Print Width (mm/in)	64.96 (2.55)						
Native Resolution (dpi)	400 (200 2C configuration)						
Firing Frequency (kHz)	50 / 18	50 / 18	30 / 12	20 / 8	50 / 18	30 / 12	20 / 8
Versadrop Max Productivity (ng-kHz)	300	600	900	1500	600	900	1500
Native Drop Size / Largest Drop Size (pL)	6 / 20	12 / 33	30 / 80	80 / 200	12 / 33	30 / 80	80 / 200
Nozzle Plate Technology	Metal						
Compatible Fluids	UV-curable, organic solvents, and aqueous inks						
Viscosity Range (cP)	8–20 (10–14 for highest productivity)						
Temperature Control	Yes						
Inkjet Operating Temperature Range (C/F)	Up to 50°C / 122°F						
Integrated Temperature Sensor	Included						
OEM Accessible Non-volatile Memory	64-byte rewritable						

Physical Characteristics

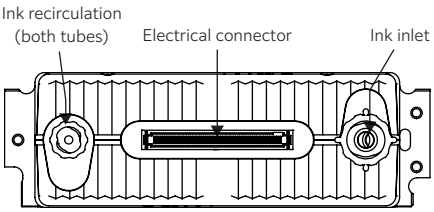
Printhead Front



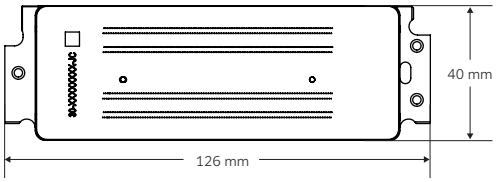
Printhead Side



Printhead Top



Nozzle Plate



Product characteristics and depictions are not drawn to scale and are general illustrations only. Technical specifications above may vary based on usage conditions and overall system environment.

For design and engineering work using this STARFIRE printhead, please contact Dimatix Technical Support for the appropriate Product Manual containing full Product Specifications.

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