



STARFIRE® SG600

A-Series

Designed for Aqueous, Solvent and
UV Curable Inks

The FUJIFILM Dimatix STARFIRE SG600 is purpose-built for today's demanding high-speed scanning and single-pass industrial systems designs. It is an high-performance piezoelectric drop-on-demand printhead for one of two channel configurations and resolution of up to 600dpi.

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

- 600dpi resolution with drop sizes ranging from 6–33pL
- 1536 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 120m/min at 600dpi
- 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

*Native drop at 600dpi

Durability

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

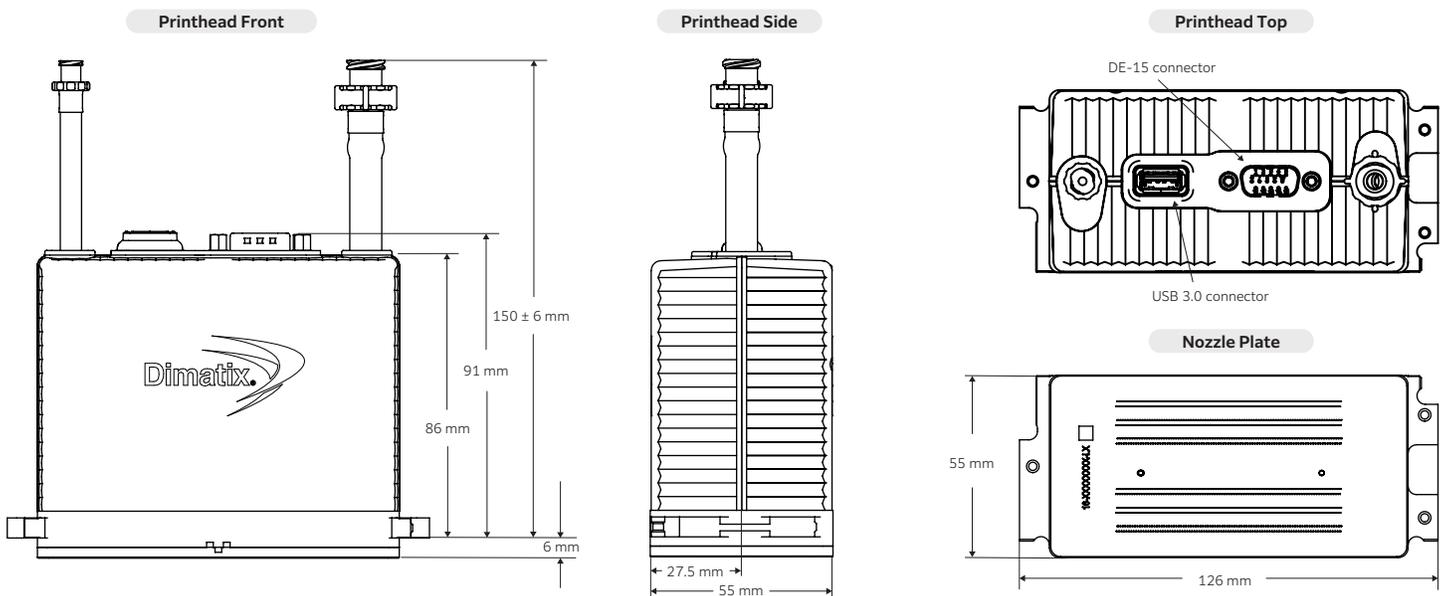
Support

- 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

Technical Specifications

STARFIRE SG600	XSA	SA	SA2C
Number of Addressable Jets / Module		1536	
Print Width (mm/in)		64.96 (2.55)	
Native Resolution (dpi)		600 (300 2C)	
Firing Frequency (kHz)	50 /18	50 /18	50 /18
Versadrop Max Productivity (ng-kHz)	300	600	600
Native Drop Size / Largest Drop Size (pL)	6 / 20	12 / 33	12 / 33
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° (122°)		
Integrated Temperature Sensor	Included		
OEM Accessible Non-volatile Memory	64-byte rewritable		

Physical Characteristics



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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