

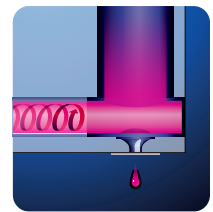
*Printheads are sold separately

STARFIRE® SG600/2C Printhead

The STARFIRE® SG600/2C printhead is a high performance inkjet printhead for a range of demanding industrial applications. It is purpose-built for today's high-speed, single-pass system designs requiring dual color inkjet printheads. It is an easy to integrate, high performance, drop-on-demand printhead that can achieve resolutions of up to 300 dpi per color. The SG600/2C printheads meets the needs of system designers for lowering system cost while maintaining robust jetting performance.

Unique Two Color STARFIRE Design

- High productivity suitable for textile, ceramic and packaging applications
- Built upon the robust and repairable STARFIRE printhead platform
- Wide range of drop sizes available
- Binary and Grayscale printing to meet varying application quality requirements
- Fast priming provided by patented multi-level REDIJET® recirculation
- Precise drop placement accuracy and uniformity to meet application quality requirements
- Broad fluid or ink capability



Sample Applications



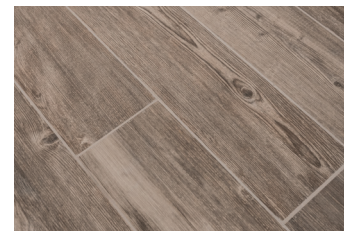
Packaging



Textiles



Decorative Ceramic

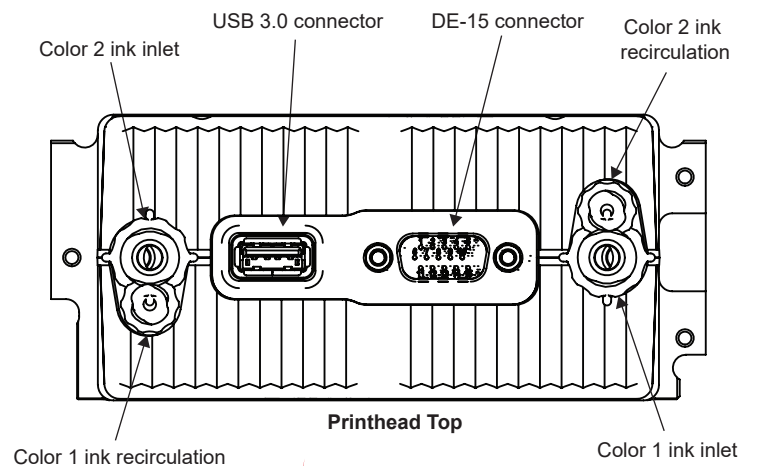
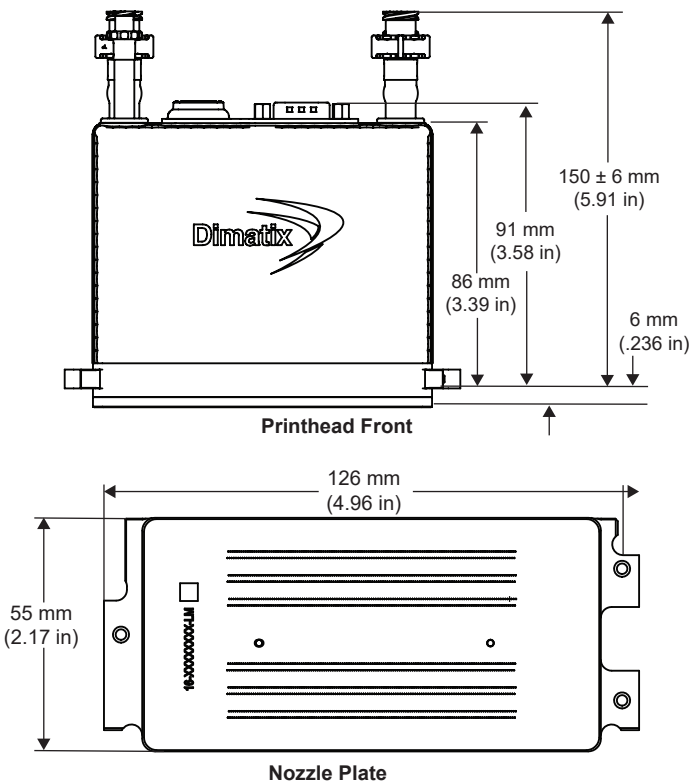


Functional Ceramic

Technical Specifications

Parameter	STARFIRE SG600/2C Printhead
Number of addressable Jets per module	768 per color
Print width	64.98 mm (2.56 in)
Native resolution	300 dpi per color
Firing frequency	Up to 50 kHz
Compatible fluids	Aqueous, UV and solvent based ceramic inks
Printhead heating	Integrated heater, thermal transfer
Inkjet operating temperature range	Up to 50°C (122°F)
Nozzle plate technology	Metal
Max productivity (aqueous)	600 ng-kHz with drop sizes between 12 and 33 ng
Max productivity (ceramic)	900 ng-kHz with drop sizes between 27 and 80 ng
Native - largest drop size (aqueous)	12 pl - 33 pl
Native - largest drop size (ceramic)	27 pl - 80 pl
Viscosity range	8-20 cP (10-14 cP recommended)
OEM accessible non-volatile memory	64 byte rewritable

Physical Characteristics



Scan to learn more!

Product data presented above are for guideline purposes only. For design and engineering work using this product, please contact Dimatix Technical Support for the appropriate Product Manual containing full Product Specifications.

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