



STARFIRE® SG 1024 Printhead for Sand Casting & Metal Sintering

FUJIFILM Dimatix next generation print head is addressing growing market needs for a high performance and reliable printheads used in sand casting and metal sintering applications. To meet those requirements the StarFire SG1024 L3F print heads are designed to provide resistance to the aggressive fluids used in these applications.

Unique Design

- 400DPI resolution with drop sizes ranging from 30-200pl that allow for optimal and efficient use of binder fluids
- Reliably use challenging jetting fluids used for binding materials in sand casting and metal sintering
- This product line can be deployed for prototyping to high end production systems
- FUJIFILM Dimatix 10+ years of continued innovations in additive manufacturing

SAMPLE APPLICATIONS

Sand Casting



3D Metal



Productivity

- Redijet® - Double 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

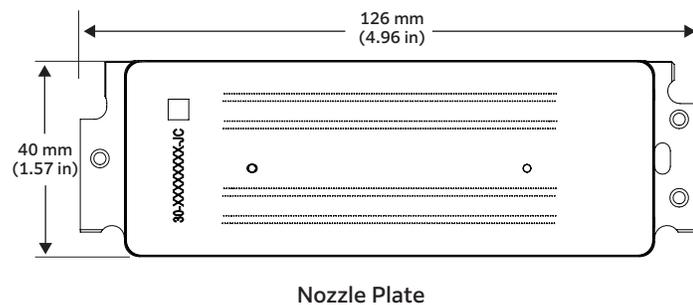
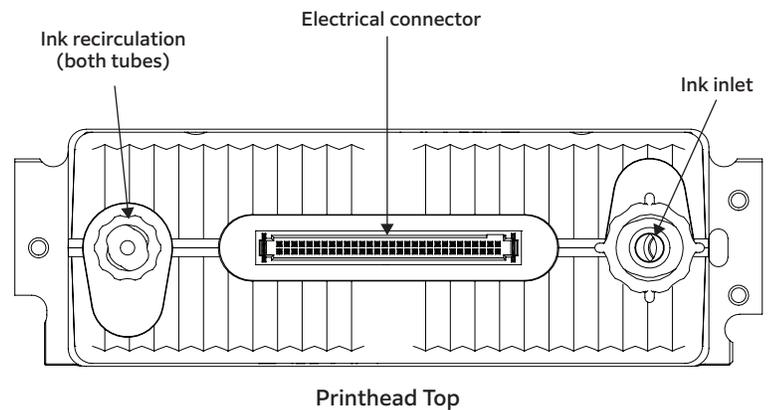
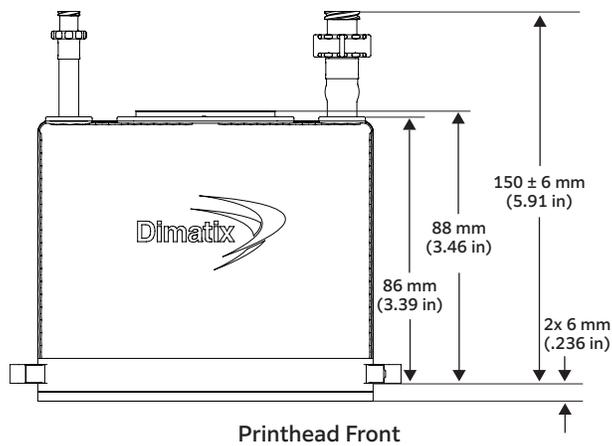
Reliability

- Industrial capabilities meet customer demands in production environments
- Robust (repairable) printhead for up-time productivity
- Cost-effective repairs and maintenance

Technical Specifications

Parameter	STARFIRE SG1024 L3F Sand Casting & Metal Sintering
Number of addressable jets / module	1024
Print width	64.96 mm (2.55 in)
Native Resolution	400 dpi
Native drop size / largest drop size	80pl / 200pl
Versadrop Max Productivity	1200ng kHz
Firing frequency	Up to 20kHz
Inkjet operating temperature range	Up to 50°C (122°F)
Nominal fluid viscosity	8-20cP (10-14cP recommended)
Compatible jetting fluids	UV-curable, organic solvents and aqueous inks
Nozzle Plate Technology	Metal
Printhead heat type	Integrated heater, thermal transfer
OEM accessible non-volatile memory	64byte rewritable
Integral temperature sensor	Included

Physical Characteristics



Technical specifications and physical characteristics presented above estimates only. For design and engineering work using this STARFIRE printhead, please contact Dimatix Technical Support for the appropriate Product Manual containing full Product Specifications.