

FULL-COLOR COMPACT PRINT ENGINE

Memjet is the global leader in color printing technologies that provide remarkable speeds and affordability.



INNOVATIVE TECHNOLOGY

Memjet established a new printing technology that brings cost-effective, on-demand color printing to the manufacturing floor and production line. Memjet-powered printers give you the freedom to print exactly what you want, when you want it.

The Memjet printhead features over 70,400 nozzles that deliver millions of ink drops every second. Our page-width printhead provides 1,600 dpi native print resolution in full process color (CMYK). Speeds are 12 in/sec in standard-quality (1600x800 dpi) print mode and 6 in/sec in premium-quality (1600x1600 dpi) print mode.

HIGH QUALITY, COST-EFFECTIVE, AND ON-DEMAND COLOR

The Sirius-12G compact print engine system provides Original Equipment Manufacturers (OEMs) with the print engine sub-system and components needed to create a compact, cost-effective printer for easy integration with the OEM's media handling system.

The Sirius-12G is available in three configurations:

- Print mechanism assembled
- Print mechanism unassembled
- Core components

Sirius-12G Print Engine System Features

- Compact, flexible design
- Suitable for print and apply, mini-press, and longer label runs
- Easy integration into custom application configurations
- OEM-customizable ink tank design

To learn more about Memjet

Memjet-powered printers are sold only through authorized Memjet partners. For more information on OEM partners, or how to become an OEM partner, please visit www.memjet.com.



TECHNICAL SPECIFICATIONS

PRINTING CAPABILITIES

Print method:	Drop-on-demand thermal inkjet
Printhead configuration:	Single Memjet printhead, 5 color channels
Ink colors:	Four colors per printhead: CMYKK
Nozzle count:	70,400 nozzles (14,080 per channel)
Line fire frequency:	9.6 kHz
Maximum printable width:	8.76 inches (222.5 mm)
Print speed:	6 inches/sec (152.4 mm) premium-quality mode 12 inches/sec (304.8 mm) standard-quality mode
Print resolution:	Premium-quality mode: 1600 dpi x 1600 dpi Standard-quality mode: 1600 dpi x 800 dpi

INK AND MEDIA

Ink:	CMYK dye-based aqueous ink system, formulated for high-duty cycle printing (Guthega)
Ink tanks:	Four ink tanks (C, M, Y, K) – Memjet 2L or 10L or OEM Custom
Ink quality management:	Memjet Quality Assurance Infrastructure (QAI) system
Media type:	Uncoated paper or water-based
Media sensing:	OEM Custom, e.g. Label gap, leading edge, notch, black mark
Host operating system:	Win 7®: 32 and 64 bit versions, Vista®, Win XP SP3 API for OEM custom driver development

ENVIRONMENTAL

Environmental operating temperature:	15 °C to 35 °C (59 °F to 95 °F) Maximum rate of change: ± 0.5 °C/minute (± 0.9 °F/minute)
Humidity:	35% to 80% RH non-condensing
Atmospheric pressure:	70 kPa to 106 kPa
Storage and transport temperature:	-5 °C to 45 °C (23 °F to 113 °F) Maximum rate of change: ± 0.5 °C/minute (± 0.9 °F/minute)
Humidity:	20% to 80% RH non-condensing
Atmospheric pressure:	70 kPa to 106 kPa

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Subject to change.

