ProStream 1000 series

THE ULTIMATE IN INKJET PERFORMANCE

For high volume, commercial print environments, the web-fed ProStream 1000 series (ProStream 1000 and 1800) combines the print quality of offset with the production efficiency and versatility of digital inkjet to deliver a level of performance that matches your passion for print.

Stay ahead of the game

We understand that, as a commercial printer, you have to adapt to the changing demands of your customers, so we are constantly evolving our technology to help you achieve that goal. Without compromising on print quality, the ProStream 1000 series reduces turnaround time enabling you to transition more jobs from offset to inkjet for increased profitability. Produce a wide range of applications, including premium and highly individualized direct mail, books, catalogues and magazines without limitations on run lengths, dynamic varying format lengths, turnaround times or variable content.
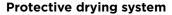
High-speed, high-productivity

Built for high-quality inkjet production on a wide range of media, the ProStream delivers perfect results every time. At a speed of 80 m per minute on a 558 mm wide web, the ProStream 1000 produces up to 1,076 A4 images per minute or 6,789 B2 sheets 4/4 per hour. For those with even higher volume needs, the ProStream 1800 prints at 133 m per minute, producing up to 1,790 A4 images per minute or 11,287 B2 sheets 4/4 per hour.

Superior inkjet print quality

The ProStream series uses native 1,200 dpi piezo drop-on-demand print heads to produce the sharpest details and superior quality at every speed. Proprietary polymer pigment inks with ColorGrip conditioning fluid deliver reliably consistent color. Providing automated print quality assurance, Canon's optional Inline Quality Control (IQC), a high-performance camera system, also allows operators to reduce time spent on quality control.

Integrates with your workflows

Powered by the high-performance SRA MP controller technology and the latest innovations in PDF and AFP/IPDS, the ProStream 1000 series easily integrates into your workflow, while its intuitive user interface enables the operator to achieve maximum engine performance. Combined with the PRISMA-production workflow suite, or PRISMAcontrol as an optional DFE, Canon offers an efficient printing system with best-in-class productivity through a robust production workflow and printer technology. Easily send PDF files straight to the press and manage production right where it happens.

Protective drying system

The ProStream series features a unique media-handling technology. Its non-contact air floatation drying system protects the print image and paper surface, for best results even on the most sensitive substrates. The system uses an intelligent sensor control circuit to continuously adjust the temperature during the print run to the optimal level, which ensures consistent results run after run.

Proven inkjet excellence

With over 1700 Canon web-fed inkjet printers sold globally, the ProStream 1000 series benefits from Canon's outstanding experience and knowledge of high-volume commercial printing. Designed for the most demanding production environments, the ProStream strikes a unique balance between high productivity, superior print quality, flexibility and media versatility, and is backed by an expert team of integration consultants and service engineers.

Canon

ProStream – Performance. Passion. Print.

ProStream 1000 series

Technical data

	ProStream 1000	ProStream 1800
Productivity		
Print speed	up to 80m/min	up to 133m/min
Configuration	I-Twin (duplex/perfecting) four color	
Throughput per hour	6,800 B2 sheets 4/4 or 64,500 A4 impressions	11,300 B2 sheets 4/4 or 107,500 A4 impressions
Max. effective monthly duty cycle	3,7 m B2 sheets 4/4 or 35 m A4 impressions	6,1 m B2 sheets 4/4 or 58 m A4 impressions
Technology		
Print head technology	DigiDot piezoelectric drop-on-demand	
Resolution at nominal speed	1200 x 1200 dpi	up to 1200 x 1200 dpi
DigiDot technology	Multilevel drop size modulation at nominal speed	
Ink set[1]	ColorGrip conditioning fluid, polymer pigment ink set CMYK with InkSafe technology	
Paper and print image[2]		
Web width	406 – 558 mm	
Maximum physical print width	556 mm	
Substrates	Offset coated gloss, matt, silk, dull, uncoated, inkjet, LWC	
Caliper	up to 300 microns	
Paper weight	40 – 300 gsm	
Paper transport	Tight web, pinless, automatic tension control	
Physical data twin roll-to-roll[3]		
Length × Width	18,000 x 2,550 mm	
Height	2,000 mm	
Weight	13,800 kg	
Power connection printer		
Connection	Print engine 2 x 400 V/250 A Controller 400 V/16 A Climate Control Unit 400 V/16 A	
Environmental requirements		
Temperature	20 – 26 °C	
Humidity	40 – 60 %	
Operating noise	Maximum 75 dB	
Workflow		
Logical page length	152 – 1,524 mm; dynamically variable	
Controller	SRA MP controller with latest Adobe APPE	
Printer data format[4]	PDF (PDF/X, PDF/VT), AFP/IPDS (IS/3), PPML, TIFF, VIPP, and more	
Front end print manager	PRISMAcontrol DFE or PRISMAproduction output management system	
Connectivity	2 × 10 Gigabit Ethernet (RJ45 copper) with PRISMAcontrol 2 × 10 Gigabit Ethernet (optical short range) with PRISMAcontrol 10 Gigabit Ethernet (copper, optic MMF/SR, optic SMF/LR)	
Operating	Touch screen user interface	
Pre- and post-processing	Inline or offline; barcode controlled	
Options		
Heavy Paper Productivity Enhance	Increased drying capacity for papers between 160 and 250 gsm at 80 m/min	
Inline Quality Control	Automatic continuous quality control with high speed camera system	
EdgEnhance	High detail sharpness with enhanced rasterizing architecture	

All information is subject to change without notice.

[1] ProStream inks contain materials that may be considered a Volatile Organic Component. Please consult your local regulators for clarification and a possible obligation for permission.

[2] For guidance on specific papers, please refer to the recommended paper list or contact Canon Media Laboratories.

[3] Total dimensions and weight may vary dependent on pre- and post-processing equipment

[4] Partly in combination with PRISMAcontrol or PRISMAproduction

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