THE ULTIMATE INKJET PERFORMANCE

ProStream

For demanding, high volume print environments, the web-fed ProStream series (ProStream 1000 and 1800) combines the print quality and color gamut beyond 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 CURVE

We understand that, as a print service provider, you must adapt to the changing demands of your customers, so we are constantly evolving our technology to help you achieve that goal. Without compromising print quality, the ProStream series helps to reduce job production time by bringing the efficiency of inkjet production to longer runs, assisting your transition of jobs from offset to inkjet to allow for increased profitability. Produce a wide range of applications, including premium and high-volume direct mail, books, catalogs, and magazines, without technical 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 high speed capability to help expand your revenue opportunities. At a speed of up to 262 ft/min on a 22" wide web, the ProStream 1000 produces up to 6,800 B2 size sheets/hr, equivalent to a monthly duty cycle of up to 3.7 million B2 sheets or 37 million letter impressions. For those with even higher volume needs, the ProStream 1800 prints at up to 436 ft/min, producing up to 11,300 B2 sheets/hr, equivalent to a monthly duty cycle of up to 6.1 million B2 sheets or 62 million letter impressions.

SUPERIOR INKJET PRINT QUALITY

The ProStream series uses native 1,200 dpi piezo drop-on-demand print heads with multilevel drop size modulation for sharp details and quality, with proprietary polymer pigment inks and Canon ColorGrip conditioning fluid for reliable and consistent color. Providing automated print quality assurance, Canon's Inline Quality Control (IQC), a high-performance camera system, allows operators to reduce time spent on quality control so they can focus on getting more work out the door.

INTEGRATES WITH YOUR WORKFLOWS

Powered by high-performance SRA MP controller technology and the latest innovations in PDF workflow, the ProStream series easily integrates into your environment, while its intuitive user interface helps the operator to get maximum engine performance. The optional PDF DFE, PRISMAcontrol, enables the simple submission of PDF files straight to the press for production management right where it happens.

PERFORMANCE.
PASSION.
PRINT.

SMART CHANGE STARTS HERE.

PROTECTIVE DRYING SYSTEM

The ProStream series features a unique drying and media-handling technology. Through gentle, non-contact drying, the air flotation drying system evenly dries all jobs, protecting the print image to help ensure the best result and preserving the gloss and paper surface better than other drying methods, even on the most sensitive substrates. The system also uses an intelligent sensor control circuit to continuously adjust the dryer settings optimally during the print run for consistency.

PROVEN INKJET EXCELLENCE

With more than 1,700 continuous feed inkjet printer installs globally, the ProStream 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, color specialists, and service engineers.

	PROSTREAM 1000	PROSTREAM 1800
PRODUCTIVITY		
PRINT SPEED	up to 262 ft/min	up to 436 ft/min
CONFIGURATION	I-Twin (duplex/perfecting) four color	
THROUGHPUT PER HOUR	6,800 B2 sheets or 68,700 letter impressions	11,300 B2 sheets or 114,245 letter impressions
MAX. EFFECTIVE MONTHLY DUTY CYCLE	3.7 Mil B2 sheets or 37 Mil letter impressions	6.1 Mil B2 sheets or 62 Mil impressions
TECHNOLOGY		
PRINT HEAD TECHNOLOGY	Canon DigiDot piezoelectric drop-on-demand	
RESOLUTION	1200 x 1200 dpi	up to 1200 x 1200 dpi
DIGIDOT TECHNOLOGY	Multilevel drop size modulation	
INK SET	ColorGrip conditioning fluid, polymer pigment ink set CMYK with InkSafe technology	
INLINE QUALITY CONTROL	Automatic continuous quality control with high-speed camera system	
PAPER & PRINT IMAGE		
WEB WIDTH	16 – 22"	
MAXIMUM PHYSICAL PRINT WIDTH	21.89"	
SUBSTRATES	Offset coated gloss, matte, silk, dull, uncoated, inkjet, LWC	
PAPER WEIGHT[1]	40 - 300 gsm	
PAPER TRANSPORT	Tight web, pinless, automatic tension control	
PHYSICAL DATA TWIN ROLL-TO-ROLL[2]		
LENGTH × WIDTH	59.1' x 8.4'	
HEIGHT	6.6'	
WEIGHT	30,424 lb	
POWER CONNECTION PRINTER		
CONNECTION	Print engine 2 x 400V/250A Controller 400V/16A Climate Control Unit 400V/16A	
ENVIRONMENTAL REQUIREMENTS		
TEMPERATURE	68 - 80 °F (20 - 26 °C)	
HUMIDITY	40 - 60%	
OPERATING NOISE	Maximum 75 dB	
WORKFLOW		
LOGICAL PAGE LENGTH	6 – 60"; dynamically variable	
CONTROLLER	SRA MP controller with latest Adobe APPE	
PRINTER DATA FORMAT[3]	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	
OPERATING	Touchscreen user interface	
PRE- AND POST-PROCESSING[4]	Inline or offline; barcode controlled	
OPTIONS		
COMMERCIAL PACKAGE[5]	Increased drying capacity for heavy papers	Included
EDGENHANCE	High detail sharpness with enhanced rasterizing architecture	

All information is subject to change without notice.
[1] *Additional weight range possible with testing and approval from Canon Solutions America media lab. For guidance on specific papers, please refer to the Canon Solutions America evaluated media list.*
[2] *Total dimensions and weight may vary dependent on pre- and post-processing equipment.*
[3] *Partly in combination with PRISMAcontrol or PRISMAproduction.*
[4] *Contact Canon Solutions America representative for list of supported inline devices.*
[5] *Option on ProStream 1000, included on all ProStream 1800 configurations.*

Canon
CANON SOLUTIONS AMERICA

Digital Press INKJET

ISO/PAS 15339 ADVANCED

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