

Continuous Feed

Color

Inkjet

Inks



DATASHEET

COLORSTREAM 3000 Z

Streamlined Dynamic Communication

Streamlining the ColorStream 3000 series

In times of changing requirements, it is flexibility and optimal efficiency that ensure long-term success. The ColorStream 3000 Z series builds on the ColorStream 3000 and is a reliable and adaptable digital printing system for efficient production of monochrome and full-color applications. For a wide range of applications the ColorStream 3000 Z series can help fulfill the most demanding requirements in a very compact design.

Proven concept

The ColorStream 3000 Z series offers excellent Canon DigiDot quality for brilliant output with industry-leading flexibility as the ColorStream 3000. The series consists of four family members, ranging from 157 to 417 feet per minute and a print width of up to 21.25" (540 mm).

The ColorStream 3000 Z series can be configured with up to six colors for monochrome, full color, and special inks such as MICR or security inks. The productivity, unique capabilities that reduce paper waste, the HeadSafe concept from Canon and supreme ease of operation offer productivity and sustainability like no other system.

DigiDot imaging technology

The ColorStream 3000 Z series uses the industry's most reliable printheads, the DigiDot piezoelectric drop-on-demand technology. By varying the ink droplet size, it produces crisp details and smooth halftones with less ink. The ink efficiency and DigiDot durability fortify the leading sustainability of the ColorStream 3000 Z.

Streamlined design for best fit

The ColorStream 3000 Z series builds on a successful family and packs its capabilities into an extremely compact concept. With a depth of less than five feet, the ColorStream 3000 Z series has the slimmest continuous feed inkjet design available to enable infrastructural fit into tight environments. Overall the floor space was reduced by one-third for an outstanding output to floorspace ratio.

The z-factor

The ColorStream 3000 Z series obtained its name by a uniquely integrated feature—z-fold paper support. The ColorStream 3000 Z offers an optional stack in-feed and output integrated into the printer for short-run stacked paper production derived from the well-known Canon VarioStream 7000 family. The stacker supports up to 12-inch high stacks at print speeds of up to 246 feet per minute and represents the first fully integrated stack to stack continuous feed inkjet solution.

Seamless workflow integration

Powered by the SRA MP controller from Canon, featuring AFP/1 PDS (IS/3) and the Canon PRISMA software suite, the ColorStream 3000 Z series seamlessly integrates into industry-standard workflows for numerous data formats including PDF (APPE 2.6), PCL 6, LCDS, VIPP, PPML, and host connectivity like Fujitsu or IBM MVS.

	COLORSTREAM 3200 Z	COLORSTREAM 3500 Z	COLORSTREAM 3700 Z	COLORSTREAM 3900 Z
TECHNOLOGY				
Inkjet	DigiDot drop-on-demand, piezoelectric			
Ink	Water-based dye and pigment, InkSafe™ technology			
Drop sizes	Variable, 5–12 picoliter			
Operating	Next generation look & feel user interface			
Paper transport	Pinless, tight web, automatic tension control			
Paper input	Tight web unwinder (included in basic unit)			
Paper output	Open post-processing interface with Type1 connectivity			
Print resolution	1,200 dpi perceived image quality with multilevel droplet modulation			Production Quality 417 ft/min: 600 X 480 with multilevel Premium Quality 328 ft/min: 1,200 dpi perceived image quality with multilevel
Print speed feet per minute	157	246	328	417
Print speed letter PPM (Single/Twin)	344/687	537/1,074	716/1,432	909/1,818
Print speed MICR letter PPM (Single/Twin)	---	537/1,074	537/1,074	537/1,074
Duty cycle million letter per month (Single/Twin)	2–10/5–21	4–16/7–33	5–22/10–44	6–28/12–59
PAPER				
Print width	6.5"–21.25" (165–540 mm)			
Page length	3"– 60" (76–1,520 mm)			
Paper width	6.5"–21.25" (165–540 mm)			
Paper weight	60–160 GSM ¹			
Substrates	Preprinted, inkjet, laser, and recycled newspaper			
Reel shafts	70 mm, 3", 5", and 6"			
POWER REQUIREMENTS PRINTING UNIT (60HZ)				
Connection	208 VAC, 103 A (one per tower) ²			
Consumption printing with transformer (Single/Twin)	11.9 kW / 23.8 kW	12.9 kW / 25.8 kW	15.2 kW / 30.4 kW	17.5 kW / 35 kW
Consumption idle with transformer (Single/Twin)	1.4 kW / 2.8 kW	1.4 kW / 2.8 kW	1.4 kW / 2.8 kW	1.4 kW / 2.8 kW
ENVIRONMENTAL				
Temperature	Optimal range 68–79 °F (20–26 °C)			
Humidity	Optimal range 40–60%			
Operating noise	Maximum 75 dB			
WORKFLOW				
Controller	SRA MP third-generation, high-performance blade processors			
Printer data format	AFP/IPDS, PDF, PCL, Line Data ³ , LCDS ³ , Metacode ³ , PostScript ³ , PPML ³ , TIFF ³ , VIPP ³			
Print manager (optional)	PRISMAproduction			
Connectivity	Gigabit Ethernet			
OPTIONS				
Color configurations, fully upgradeable	1/0–6/6			
MICR and special colors	•			
Web inspection camera	•			
Rewind unit	•			
Operator attention light	•			
Paper dust elimination system	•			
Operator calibration tools	•			

	SINGLE SYSTEM	TWIN SYSTEMS
PHYSICAL DATA (ROLL TO ROLL WITHOUT PAPER)		
Length × Width	293.7" × 98.5"	Inline Twin: 470.5" × 98.5" L-Twin: 421.25" × 348" H-Twin: 334.6" × 334.6"
Height	74.8"	
Weight ⁴	5,512 Lbs	11,685 Lbs

¹Extended media range possible with testing.

²Additional power configurations available. Contact your sales representative for details.

³Via PRISMAproduction.

⁴Approximate weight with ink, covers and supplies installed.

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