

# COLORSTREAM 8000 EXPLORE



**Canon**

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# EXPLORE THE COLORSTREAM 8000

The ColorStream 8000 is built on 43 years of experience in developing and manufacturing award-winning digital presses.

The ColorStream family has been trusted by users all around the globe more than 1,500 times. We at Canon are the number one global market leader in web-fed inkjet systems for 11 consecutive years.

The ColorStream 8000 marks the next step in the ColorStream evolution. It has been designed in direct response to customer feedback regarding the challenges corporate and commercial print operations are facing.

Explore how the ColorStream 8000 can future-proof your print operation and help you open up new commercial opportunities.

**1,500**  
installations worldwide

**40%**

More than 40% of customers have installed more than one device



**Global #1**  
in web-fed inkjet for  
11 consecutive years



**More than 43 years'**  
experience in digital  
press making

**94%**

**ColorStream customers**  
can be assured **of 94%**  
**uptime**

# THE NEXT STEP IN A SUCCESSFUL EVOLUTION



## **The first generation**

Introduction of the ColorStream 3000 series

## **Security printing for inkjet**

## **The second generation**

Introduction of the ColorStream 3000Z series

## **The third generation**

Introduction of the ColorStream 6000 series



2017

2020

2021



**The fourth generation**

Introduction of the ColorStream 6000 Chroma series

**New controller generation**

For the ColorStream 6000/Chroma series

**The next level in the evolution**

Introduction of the ColorStream 8000 series



# ELEVATE EFFICIENCY. ACCELERATE GROWTH.

Elevate Efficiency with the ColorStream 8000 series' uninterrupted productivity to meet tight production windows. Alleviate pricing pressure by maximizing performance of your print operation and increasing output volumes. Strengthen your position in the market by delivering superior quality output at up to 525 Ft/min.

Accelerate Growth by developing new revenue streams. Transform current and future production challenges into opportunities. Migrate more offset volumes to digital to be fit for future market needs and drive the implementation of new business models.





# TRANSFORM CHALLENGES INTO OPPORTUNITIES



## More jobs. Shorter runs. Tighter deadlines.

To stay ahead, corporate and commercial print operations need a press that enables the setup of jobs easily, switch media quickly, personalize print runs and operate 24/7 with minimal intervention. Whether you're an in-plant print operation or a dedicated publications printer, you want to be able to rely on a digital press that maximizes productivity.



## Superior print quality

The new native 1,200 dpi print heads and the latest ink technology proactively respond to the challenges of today's market and provide new application opportunities.



## Fit for future trends

With the ColorStream 8000 series, you can cover all market needs, and meet future trends with confidence. Deliver advanced personalization, higher-quality inkjet prints and shorter run lengths. Stay ahead of competition and open up new growth opportunities with exciting value-driven applications in this fast-moving market.



### **Expand through efficiency**

Reduce the amount of labor needed to achieve your production goals. The highly automated ColorStream 8000 series also delivers many workflow enhancements to streamline production processes and optimize the use of resources.



### **Open up new business models**

Transition to new digital production processes confidently and open up new business models by offering on-demand printing, white-paper solutions, 1:1 marketing, omnichannel communications or dynamic publishing solutions. The ColorStream 8000 series will help you implement new business models and access a broader range of revenue streams.



# EXPLORE BUSINESS COMMUNICATIONS

## BUSINESS COMMUNICATIONS HAVE IMPACT

98%

More than 98% of transactional documents are read<sup>2</sup>

71% 80%

prefer to receive important documents on paper rather than by e-mail.<sup>1</sup>

think it is important to have a choice in how they access financial information and statements.<sup>3</sup>



4 MINUTES

are spent on average reading transactional documents.<sup>4</sup>

## CONSUMERS LIKE PRINT



69% say that postal bills offer better record keeping

65% think they are easier to check

48% consider they offer more security<sup>5</sup>

98%

of people check their physical mail daily, compared to only around 20% of people who open e-mails.<sup>6</sup>

76%

of people are increasingly concerned that their personal information held electronically is at risk of being hacked, stolen, lost or damaged.<sup>7</sup>

### **Create effective business communications**

The ColorStream 8000 series will help future-proof your business with the perfect balance of brilliant color quality, stunning speed and value-added features. Busy corporate, public and commercial users can now deliver impressive colorful, targeted business documents via key communication channels and meet tight deadlines.

### **Access new business opportunities**

- Diversify to grow your business by entering the next generation of digital printing
- Grow your volume opportunities
- Launch new applications such as inserts, onserts, flyers, transactional marketing, and more, alongside your current print runs

### **Astound customers with amazing quality and consistency**

- Deliver superior-quality prints with 1,200 dpi printheads and the latest ink technology
- Deploy the wide color gamut for outstanding reproduction of corporate identities
- Produce consistent, personalized customer communications

### **Realize new levels of productivity and integrity**

- Integrate the ColorStream 8000 seamlessly in your print and mail workflows
- Benefit from reliable web-fed technology
- Handle complex jobs at full print speed, regardless of page content, size or finishing requirements
- Align with regulatory compliance requirements through advanced data integrity technology
- Comply with demanding Service Level Agreements



# EXPLORE PUBLISHING

Covid-19 has led to an increase in book sales of 20% compared to 5 years ago. The majority of readers still prefer the physical book.

Publishers Association July 2020

Feedback from printers and publishers at the Canon Future Book Forum 2020 survey

**63%** See shorter runs as a key benefit of digital print

**17%** Say digital print reduces business risks

**42%** Are particularly interested in developing new business models



### **Produce digital inkjet books with ease**

- Efficiency for ultra-short runs and one-off book production
- Excellent compatibility with book finishing solutions
- Easy operability for fast and low-waste setups and job changes
- Outstanding image quality on uncoated book papers and inkjet treated papers
- Trusted and reliable ColorStream series technology platform



### **Save time – reduce waste – decrease cost**

- 22" print width for best n-up book format utilization
- Proven ColorStream features for fast low-waste setups and job changes: printing in ramps, pause function and variable page lengths on the fly
- Intuitive user interface for printing and bi-directional interface to finishing components for production line automation
- Low power consumption



### **Increase performance**

- Up to 525 feet per minute printing speed with improved fit-to-book finishing devices
- Consistent image quality enabled by web-cleaning
- Highest uptime with automated inkjet head cleaning
- ColorStream best-in-class service
- Highly efficient, data-driven service
- Impressive productivity, reliability and speed, for faster time-to-market



### **Deliver quality – every time**

- State-of-the-art 1,200 dpi resolution and new ink formula
- Offset-like font sharpness, detailed serifs, fine lines and high black density
- Smooth color gradients, homogenous flat areas and fewer inkjet artefacts
- Drying and web-tension concept for increased range of paper weights at full speed



# EXPLORE PRODUCTIVITY

**With print speeds of up to 525 ft/min, the Colorstream 8000 series is our fastest ColorStream press to date.**

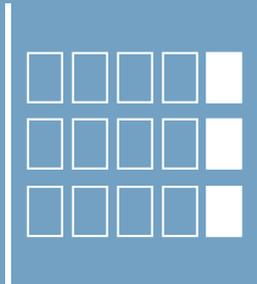
However, productivity is about more than just speed. With an uptime of more than 90%, you now have a press you can rely on to produce outstanding quality everytime. Furthermore, the durable printheads result in less downtime from head changes and system calibration.

## **Automated cleaning**

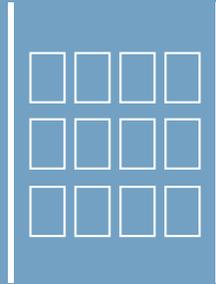
Avoid lengthy cleaning cycles by the operator enabled by automated printhead spray cleaning and active web cleaning. This also keeps printheads healthy and safeguards quality.

## **Powerful controller**

The powerful SRA MP controller RIPs fully variable data on the fly at the maximum print speed, ensuring the printer never runs out of data.



ColorStream  
8000 series



Other 20" wide  
offerings

# 25%

Raising productivity by 25%

# 5

 5-UP  
imposition

Explore  
Productivity



### 5-up imposition

With a print width of up to 22", printing book and mailing formats is more productive and efficient. For example, the common pocket book format size of 4.25" x 6.87" is generally printed 4-up imposed on a 20"-wide web. The ColorStream 8000 series enables a 5-up imposition in order to increase productivity by 25%.

### High-speed security printing and MICR

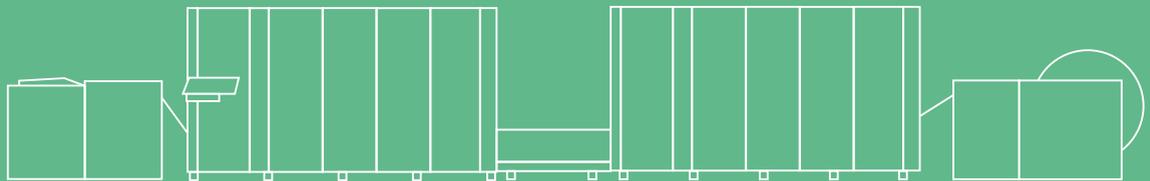
The ColorStream 8000 series also offers security printing and MICR at up to 525 ft/min.

# EXPLORE QUALITY

Canon's unique DigiDot imaging technology is a key factor in producing exceptional 1,200 dpi native print quality.

This piezoelectric drop-on-demand technology, with multilevel dot modulation capabilities, dynamically varies droplet sizes across an image for:

- Crisp and reader-friendly text
- Sharp lines for drawings
- Color uniformity on full coverage pages
- Beautiful color gradients and tints

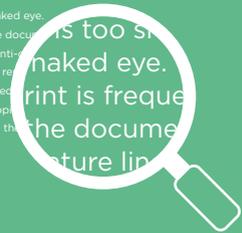


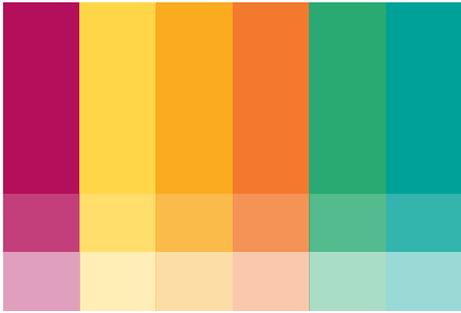
Sharp lines

## Micro text

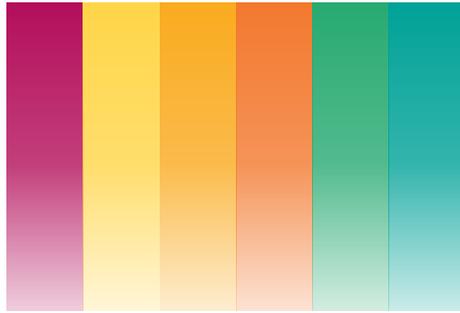
Micro text is too small to be easily read with the naked eye.

Micro-print is frequently hidden within lines on the document, e.g. a signature line or document borders. It is an anti-counterfeit feature as text of such small size is very difficult to reproduce accurately during attempts to counterfeit the printed document. When the printed document is placed in a photocopier or scanner, a line of micro-printed text may appear to the scanner as a dotted or solid line.





**Color tints**



**Color gradients**

### **Powerful SRA MP controller:**

The powerful SRA controller RIPs and screens print data with fully variable content at rated speed. It controls every nozzle in the printhead, providing more consistent droplet size and placement to deliver striking print quality.



### **PreFire technology**

PreFire prevents first-line effects and clogging by keeping the ink in the ink chamber moving if nozzles are not used for some time enabling:

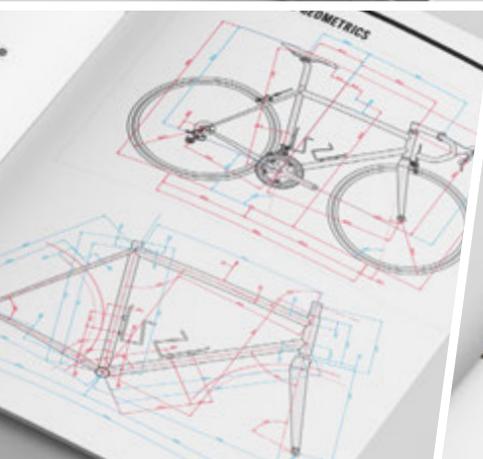
- Consistently high-quality prints
- Fewer refresh measures
- No formation of drying ink film

# EXPLORE A WIDE RANGE OF APPLICATIONS

Printing is a highly creative industry that is undergoing many changes. This is why you want a press that offers application versatility as well as quality and efficiency. The ColorStream 8000 series gives you the flexibility you need to grow your business.

- Start with monochrome printing and add color as volumes increase
- Add security ink
- Upgrade speeds from 436 Ft/min to 525 ft/min





# TECHNOLOGY AT A GLANCE

## **New touch screen UI**

Enjoy simple and easy operation at your fingertips

## **Paper path**

Apply a wider standard paper range with light-weight papers and heavier stocks

## **Prefire nozzle maintenance**

Realize precise quality from the first page to the last, with multilevel and printhead water cooling



## **New interface**

Streamline production with bi-directional communication with pre- and post processing

## **Modular drying system**

Ensures all paper types are dried based on ink coverage-adaptable drying technology

**Native 1,200 dpi printheads**

Create sharp details and precise droplet placement

**Automated printhead spray cleaning**

Minimize operator intervention and use the time saved for value-adding tasks

**Print in speed ramps**

Reduce start-up paper waste and save costs



**Waste-free print pause**

Avoid paper waste during short production breaks

**Integrated web cleaner**

Use low-cost and recycling papers, and minimize paper dust on the printheads

**Media range**

Print on a wide media range of 40 - 160 gsm\*

\* < 40 gsm and > 160 gsm with positive media lab test

# PROACTIVE MAINTENANCE

**Proactive maintenance is a data-driven service concept that uses sophisticated data analysis to increase the uptime of your ColorStream 8000 series press.**

## **Usage-based maintenance**

Your printer tells us how many prints you have produced since the last service. Our service department can then plan your next appointment at the best time for your operation.

## **Condition-based maintenance**

Data analysis algorithms detect if one of your printer subsystems is showing signs of wear. We can then make an appointment to replace the relevant part to prevent unpredicted downtime.

## **Proactive maintenance**

On Remote Service increases the efficiency of service visits. Machine data help our technicians prepare their visit by ensuring they have all the right parts and required expendables at hand.

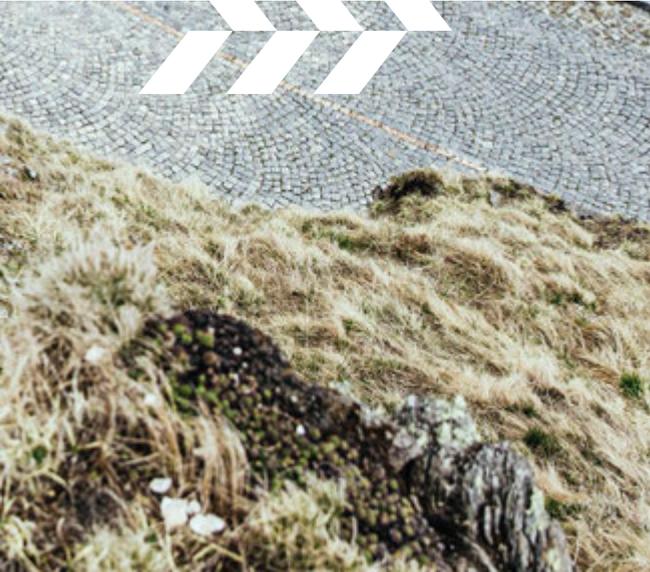
## **Improvements**

Printer service data increase the performance of your ColorStream 8000 series and will help us improve future generations of our digital presses even further.



# FOR A BETTER ENVIRONMENT

Sustainability is an important focus in the development of our inkjet technology. The ColorStream 8000 series is not only manufactured using solar energy and long-life components, but also for 24/7 productivity, low labor investment, low energy consumption and low paper waste.



## **First-time-right printing**

Shorten delivery times and reduce paper waste with printing on the ramp and rely on accurate re-prints every time.

## **Reduced inventory**

Print only what you need and when you need it, to eliminate waste and obsolescence.



### **De-inkability**

The ColorStream 8000 series inks contain no dyes as colorants and therefore show good de-inking properties according to INGEDE method 11 when combined with appropriate substrates.

### **High uptime and productivity**

The ColorStream 8000 series has been designed for 24/7 industrial-level use and is built to last. Furthermore, proactive maintenance concepts help safeguard uptime and productivity.

### **Upgradeability and longevity**

Upgradability of new features and speed enhancements within the series are a design principle. The result – all of our web-fed inkjet presses that have been installed since 2008 are still in the market. Most systems have a second life in the market after a refurbishment process.

# EXPLORE THE ROI BENEFITS

The ColorStream 8000 is a unique combination of state-of-the-art digital inkjet technology, innovative new features and the heritage of a proven and extremely reliable platform.

The result is a high return on investment and short payback period.



## Productivity & quality

- High uptime
- Superior quality
- Ease of operation
- Optimized throughput
- Inline finishing compatibility



## Cost efficiency

- Low power consumption
- Waste-free printing
- Competitive run costs
- Low-cost uncoated media
- Support of recycled stocks



## Versatility

- Business communications
- Books & manuals
- Direct mail, self-mailer
- Catalogs
- Pharma, product inserts and user instructions







FOUNDRY

P



# CANON INKJET PORTFOLIO



varioPRINT IX-series

ProStream 1000 series

	varioPRINT IX-series	ProStream 1000 series
<b>MONTHLY VOLUME RANGE (A4)</b>	<b>1-10 M</b>	<b>8-62 M</b>
<b>PRINT SPEED</b>	<b>320 Letter</b> sized images per minute	up to <b>436 feet</b> per minute, <b>1903 Letter</b> sized images per minute
<b>MEDIA SUPPORT</b>	60-350 gsm Uncoated 90-350 gsm Offset coated 90-300 gsm Inkjet optimized	40-300 gsm Uncoated 40-300 gsm Offset coated 40-300 gsm Inkjet optimized
<b>PAPER FORMATS</b>	up to 13.7" x 20" B3 landscape <b>Sheetfed</b>	up to 60" x 21.89" B2 portrait <b>Web-fed</b>
<b>RESOLUTION</b>	<b>1,200 dpi</b> + multilevel	<b>1,200 dpi</b> + multilevel
<b>INKS</b>	CMYK water-based polymer pigment inks ColorGrip conditioning fluid	CMYK water-based polymer pigment inks ColorGrip conditioning fluid
<b>TARGET APPLICATIONS</b>	Premium Direct Mail Books & Manuals Collaterals Catalogs and Magazines Transaction	Books & Manuals Premium Direct Mail Catalogs Poster/Calendars Magazines



## ColorStream 6000 series

## ColorStream 8000 series

**5 – 56 M**

**15 – 70 M**

up to **417 feet** per minute,  
**1818 Letter** sized images per minute

Up to **525 feet** per minute,  
**2291 Letter** duplex sized images per minute

60–160 gsm Uncoated  
60–160 gsm Inkjet optimized

40–160 gsm Uncoated, recycled  
40–160 gsm Inkjet optimized

\*<60 gsm and >160 gsm with positive media lab test

\*heavier and lighter stocks after positive testing

up to 60" x 21.25"  
B2 portrait

up to 60" x 22"  
B2 portrait

**Web-fed**

**Web-fed**

**600 dpi**  
+ multilevel

**1,200 dpi**  
+ multilevel

Standard dye or pigment inks,  
Chromera inks, UV blue, red, yellow,  
MICR, Fugitive

MICR, water-based  
pigment inks

Transaction  
Direct Mail  
Books & Manuals  
Product Inserts Applications  
Security Applications

Business Communication  
Books & Manuals  
Direct Mail, Self-Mailer  
Light Weight Applications  
Catalogs  
Product Insert & User Instructions



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