

Canon

CANON SOLUTIONS AMERICA



CANON SEE IMPOSSIBLE



CONTINUOUS FEED

FULL COLOR

INKJET

HIGH VOLUME

FLEXIBLE

OCÉ PROSTREAM 1000

CROSSING OVER BETWEEN DIGITAL & OFFSET

Quality, efficiency, flexibility

OCÉ PROSTREAM 1000

CROSSING OVER BETWEEN OFFSET AND DIGITAL

The Océ ProStream™ is a web-fed inkjet production print engine developed with the requirements of premium direct mail and high quality commercial print applications in mind. It's been designed from the ground up to combine the best technologies in digital and offset printing.

This advanced engine will put printers ahead of the curve. Especially in demanding applications where existing printing technologies run into limitations, run lengths become too

short for offset to operate profitably, overall volumes are beyond throughput levels of toner engines, and media latitude is beyond that of existing inkjet presses.

With the Océ ProStream, print providers drive trends instead of following them: print-on-demand book production for efficient logistics, personalized customer communication pieces that link up with online content, delivered with turn-around commitments of hours rather than days.

Professional print quality –
vibrant, sharp images

Production efficiency –
speed, uptime, consistency

Product flexibility –
content, format, run length, media



An engine for the next generation of commercial print services



Reliable Piezo Drop-on-Demand print heads

- Sharpest details with 1,200 dpi and multilevel droplet size modulation at full speed
- Smooth, natural shadings with Océ DigiDot® technology
- Preventive print head maintenance with Océ PreFire and Headsafe



Océ ColorGrip and polymer pigment ink

- Vibrant colors for print that leave a lasting impression
- Media versatility – coated and uncoated offset stock
- Advanced profiling technology – true colors, ink efficiency

Professional print quality

Nothing captures emotions better than vibrant, sharp images! The Océ ProStream has a color gamut beyond offset standards on most papers. At full speed, the Océ ProStream leverages 1200 dpi resolution with Océ multilevel drop size modulation for smooth shadings, striking image details in dark tones, and sharp fonts. And with its super-sensitive air drying, the Océ ProStream protects tactile impact and gloss of the paper. The result is a press uniquely designed for high-value print products.

Efficiency for serious production

The Océ ProStream enables printers to become service providers. Its web-fed inkjet technology excels in throughput (1,144 letter pages/min or 262 ft/min web speed), process stability and uptime. Great color consistency and registration accuracy make operating easy, with little manual effort to keep the engine running. And buying into the Océ service network with decades of experience in production printing lets you calmly agree with customers on tight deadlines, quality, and output targets.

Next-generation product flexibility

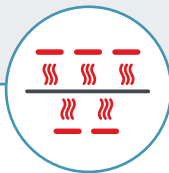
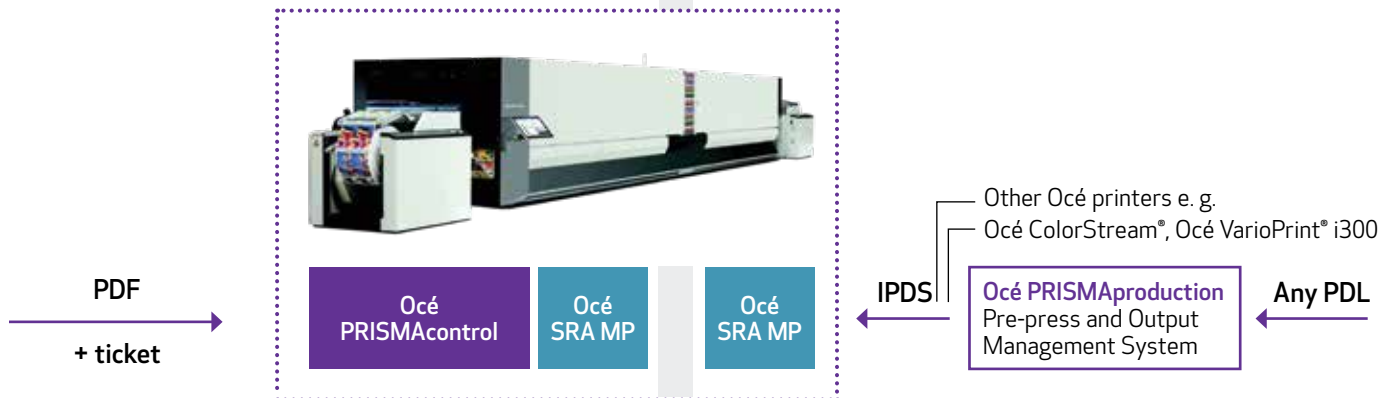
Print professionals need to be attuned to end user tastes and changing preferences. The Océ ProStream prints on uncoated, inkjet-optimized, and matte, silk, or gloss coated standard offset stock. Low run lengths, even one-off personalized products, involve no higher cost than bulk production. Color and monochrome content, page counts, and formats can be varied flexibly. With the Océ ProStream, you design products to the exact customer needs and execute simply.

Océ PRISMAcontrol digital front end

- Seamlessly integrated with printer
- PDF workflow only
- Single-engine setup

Océ PRISMAproduction streaming mode

- Full-fledged central output management
- Multiple data formats (PDF, AFP/IPDS, PCL, etc.)
- Multi-engine setup (Océ or 3rd party)



Non-contact floatation air drying

- Consistent and controlled drying process
- No touching or scratching on sensitive media
- Minimal paper stress for tactile impact



Intuitive usability concept

- Touch concept tailored for production printing
- Flexible job management at the engine
- Easy workflow integration with Océ PRISMA

OCÉ PROSTREAM 1000

KEY SPECS



OCÉ PROSTREAM 1000

PRODUCTIVITY	
Print speed	262 ft/min (80m/min)
Configuration	I-Twin (duplex) CMYK
Pages per minute (letter size)	1,144 in duplex mode
Max. duty cycle per month (letter size)	35 million in duplex mode
TECHNOLOGY	
Print head technology	Océ DigiDot® piezoelectric drop-on-demand
Resolution at nominal speed	1200 × 1200 dpi with multilevel droplet modulation
Drop sizes	Variable, 2 – 5 picoliters
Ink set ¹	Océ ColorGrip, polymer pigment ink set CMYK with Océ InkSafe® technology
PAPER & PRINT IMAGE	
Print width	21.89" (556 mm)
Web width	16 – 22.24" (406 – 565 MM)
Substrates	Offset uncoated, matt and gloss coated, inkjet-optimized (according to released paper list)
Caliper	up to 300 microns
Paper weight	60 – 300 gr/m ² , extended range after tests possible ³
Paper transport	Pinless, tight web, automatic tension control
PHYSICAL DATA	
Length × Width (print tower)	19' × 8.5' (5,800 × 2,550 mm)
Length × Width (duplex roll-to-roll)	55.5' × 8.5' (16,850 × 2,550 mm)
Height	6.6' (2000 mm)
Weight (print tower)	14,333 lb (6,500 kg)
POWER CONNECTION PRINTER	
Connection (EU)	Twin engine (2 towers) 2 x 400V/250A Controller 400V/16A Climate Control Unit 400V/16A
ENVIRONMENTAL REQUIREMENTS	
Temperature	Optimal range 68 - 80° F (20 - 26° C)
Humidity	Optimal range 40 – 60%, limited range 40 – 80%
Operating noise	Maximum 75 dB
DATA WORKFLOW	
Page length	6 – 60" (152 – 1520 mm)
Controller	Océ SRA MP controller with Adobe APPE 4
Printer data format ²	AFP/IPDS (IS/3), PDF (PDF/X), PDF/VT, PPML, TIFF, VIPP, and more
Front end print manager	Océ PRISMAcontrol or Océ PRISMAproduction
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 based next generation Océ look & feel user interface
PRE- AND POST-PROCESSING	
Standard online configuration	Roll-to-roll
Paper input	Preferred partner unwinder with integrated web cleaning system
Paper output	Preferred partner rewinder; barcode-controlled offline or nearline finishing
Coating	Preferred partner coating unit; water-based wax emulsion; online, nearline or offline

All information is subject to change without notice.

¹ Océ 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 Partly in combination with Océ PRISMAcontrol or Océ PRISMAproduction

³ Basis weights outside of the paper specification can be qualified through positive testing at an authorized Canon paper testing center (Boca Raton, Poing, Tokyo)



For more information, call or visit
877-623-4969 CSA.CANON.COM

Visit our Production Print Resource Center at:
csa.canon.com/ProductionPrint

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