

Canon

CANON SOLUTIONS AMERICA



CANON SEE IMPOSSIBLE



SHEETFED

FULL COLOR

INKJET

HIGH VOLUME

RELIABLE

OCÉ VARIOPRINT i-SERIES

INKJET INNOVATION WITH PURPOSE

Productivity | Versatility | Savings



Redefining inkjet innovation
for productivity, versatility,
and savings

OCÉ VARIOPRINT i-SERIES

REINVENTING SHORT-RUN INKJET PRINTING

The Océ VarioPrint i-series with iQuarius inkjet technologies helps professional printers increase the efficiency of their short-run printing operations and grow their business by offering:

- Application diversity
- Production efficiency
- Cost effectiveness

Proven Océ inkjet technology combined with Océ VarioPrint flexibility

Today's print market is evolving rapidly and print providers need to keep pace. The confluence of technology advances, changing markets, and business requirements place ever-greater pressure on being able to respond to changes in the market, and better serve the needs of customers.

The Océ VarioPrint® i-series sheetfed inkjet press is the solution. It bridges the gap between the application flexibility and efficiency of sheetfed presses and the economy and productivity of web-fed systems, without compromising quality. iQuarius™ technologies, a breakthrough in sheetfed versatility and inkjet productivity, enable print providers to handle new and more diverse applications – and do so profitably.

As one of the first sheetfed inkjet color production presses available on the market, the series offers an attractive alternative between higher-cost, less flexible inkjet web presses and lower-speed, toner-based, cutsheet printers. It also makes it possible to address new market segments productively and cost-effectively.

Growth applications

The Océ VarioPrint i-series press is ideal for service bureaus and transactional printers; direct mail houses; book and manual printers; and large in-plants. It's also well suited for commercial printers looking to increase flexibility, expand application mix, take on more digital work, or leverage inkjet versatility.

- Transactional printing, MICR checks, and Transpromo in true white paper workflows
- Books and manuals, combining black-and-white and color on one platform
- Direct mail and variable data printing
- Collateral materials, including brochures, sell sheets, mailers





Reliability and productivity

Productivity is one of the core attributes of a successful printing operation, and here the Océ VarioPrint i-series excels. Today's market is about much shorter runs, along with a greater number of jobs with less set-up time between them – and we've designed a series that meets those requirements.

Seamless workflow integration, reduced set-up and finishing times, and near-instantaneous drying ensure maximum end-to-end productivity. As for uptime, iQuarius technologies ensure the rock-solid reliability of the Océ VarioPrint i-series for fast, uninterrupted production. The presses feature built-in self-maintenance and diagnostic systems with automated corrective actions to maintain optimal quality, as well as "sense and support" predictive maintenance system for complete peace of mind. In short, the Océ VarioPrint i-series production printing systems are disruptively efficient, thanks to a streamlined workflow, maximum job flexibility, and workhorse productivity.



AN INNOVATION IN INKJET

The Océ VarioPrint i-series bridges the gap between higher-cost, less flexible inkjet web presses and lower-speed, toner-based, cut-sheet printers, making it possible to address new market segments productively and cost-effectively.

Think about ink

The Océ VarioPrint i-series uses water-based pigment inks, offering several advantages:

- Print on a wide range of media, including offset uncoated, offset coated, inkjet-treated, and inkjet coated papers
- More economical than oil-based inks, with lower running costs on many applications
- Excellent resistance to fading
- A sustainable, eco-friendly printing solution, with no hazardous compounds or elements
- Built-in robustness for optimal inline or offline finishing
- MICR

WHAT IT MEANS FOR YOU

With the Océ VarioPrint i-series, you can now consolidate sheetfed black-and-white, highlight color, and full-color digital workflows into one production printing system, allowing you to:

- Take on more jobs
- Manage shorter runs
- Handle variable data projects
- Offer diverse media options

OCÉ VARIOPRINT i-SERIES

BREAKTHROUGH IQUARIUS INNOVATIONS



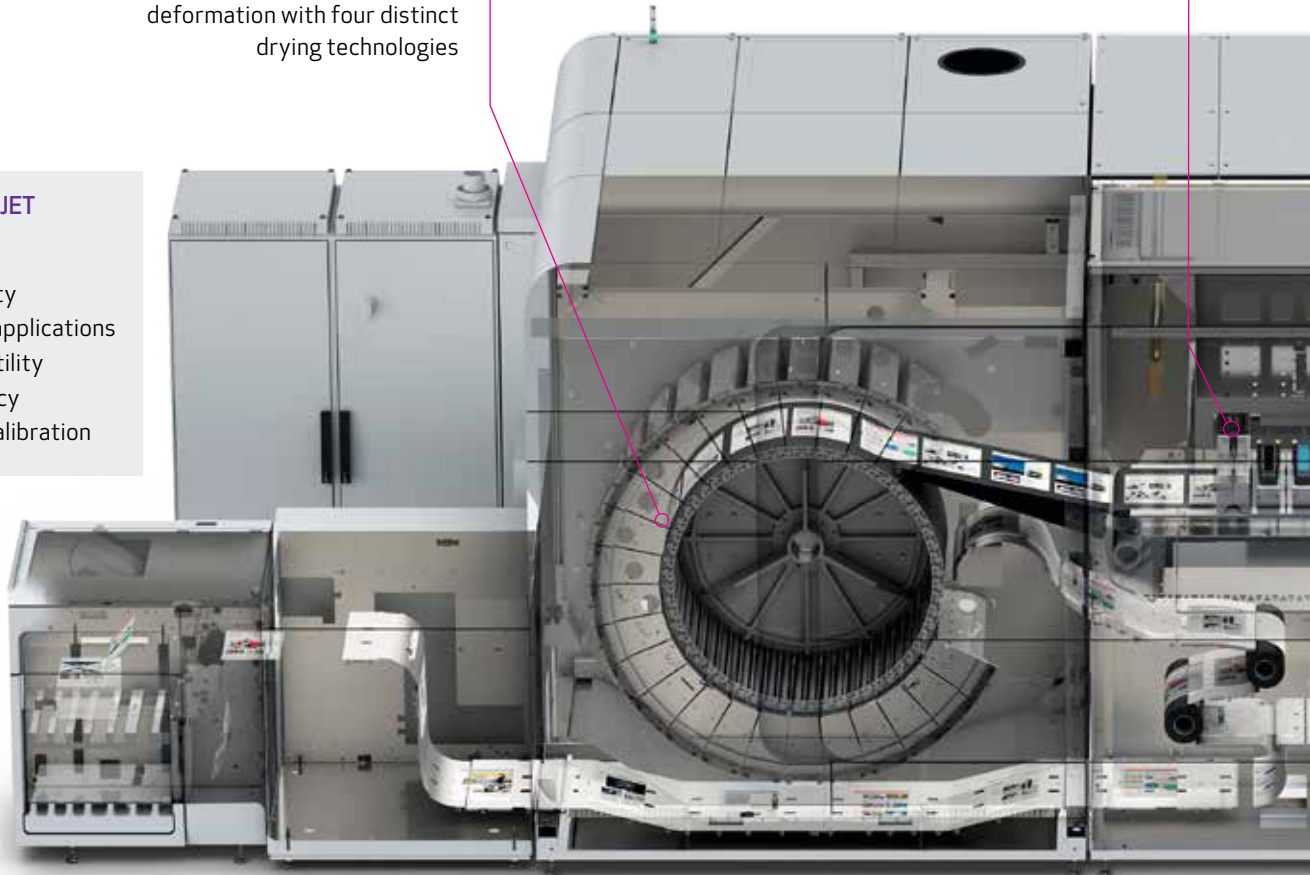
Instant drying at moderate temperatures to minimize paper deformation with four distinct drying technologies



Inline quality control to detect and automatically compensate nozzle failure for maximum quality

THE CUTSHEET INKJET ADVANTAGE

- High productivity
- Cost effective applications
- Sheetfed versatility
- Color consistency
- No daily color calibration



ENJOY PEAK PRODUCTIVITY

- Production speeds of up to 294 (i300)/194 (i200) letter impressions per minute
- Up to 17,640 letter impressions per hour*
- Up to 10 million letter-sized images per month
- Maximum paper capacity: 13,800 letter sheets from 12 trays (9,200 letter sheets from 8 trays is standard)*
- Standard sheet size of 12.6" x 19.2"
- Maximum sheet size of 13.8" x 19.7" (with Flex PIM XL option)
- DFD interface for connection to inline finishing options

*i300

IMPRESS CUSTOMERS WITH SUPERB IMAGE QUALITY

- 1200 dpi perceived image quality with multilevel droplet modulation
- Océ drop-on-demand, piezoelectric
- Water-based pigment ink
- Accurate front/back registration
- Nozzle failure detection and compensation
- Consistent print quality across machines

BENEFIT FROM INKJET INNOVATION AND PROVEN TECHNOLOGY

- Flexible architecture enables future expansion
- Print on a wide range of standard (coated) offset and inkjet media
- Built on proven technology assets:
 - Océ VarioPrint® 6000 pre- and post-processing technologies
 - Océ ColorStream® inkjet print head technology
 - Océ PRISMAsync™ controller technology
 - Océ PRISMA workflow integration



Print heads, based on proven Océ ColorStream inkjet technology, deliver 600 x 600 dpi with 1200 dpi perceived image quality



Precision sheet control by using vacuum suction to hold sheets flat on a seamless, stainless steel paper transport belt



A sentry unit inspects, detects, and purges sheets with imperfections without impacting production



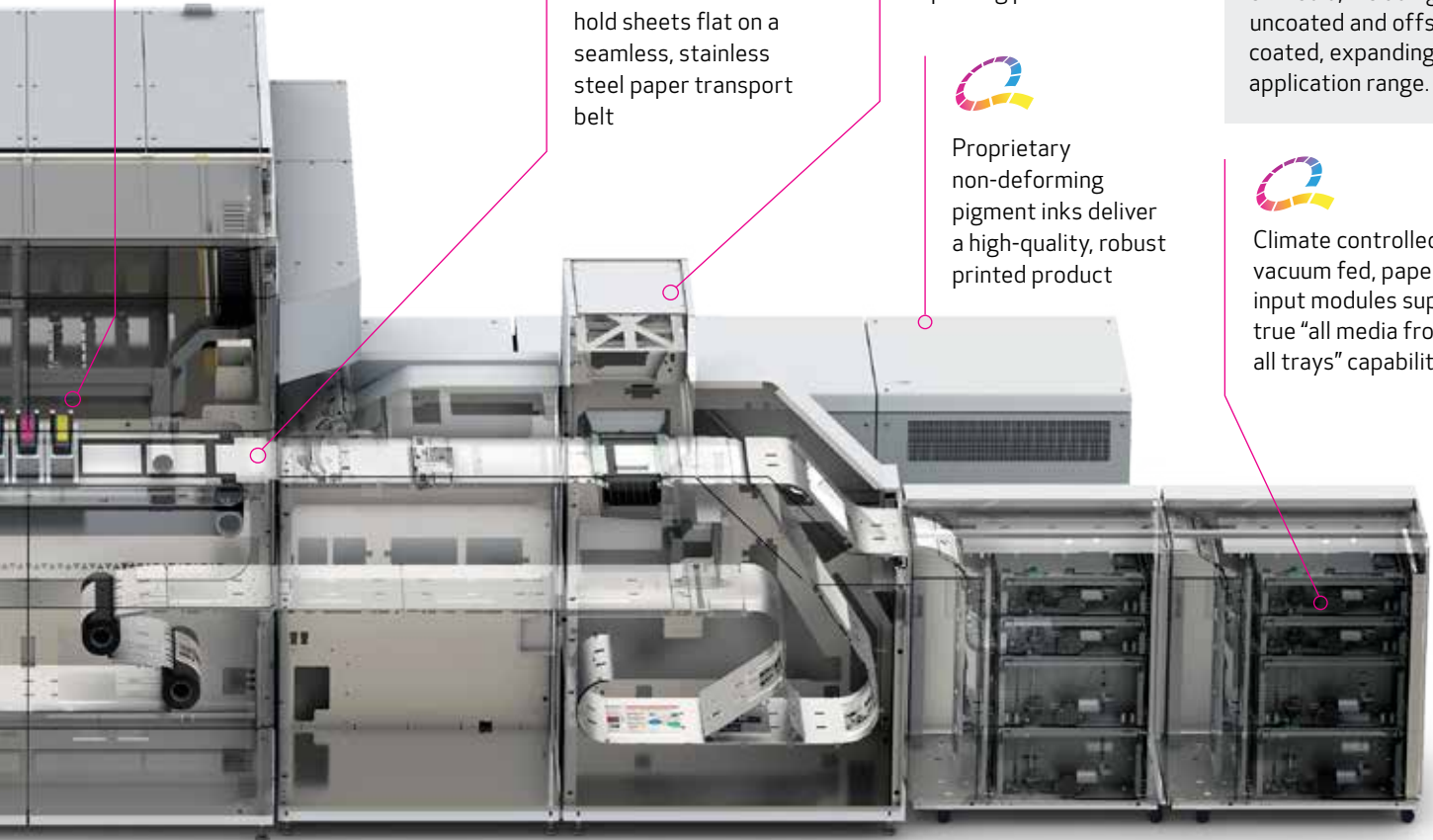
Proprietary non-deforming pigment inks deliver a high-quality, robust printed product



OPTIONAL COLORGRIP FEATURE enables printing on a wider range of media, including uncoated and offset coated, expanding the application range.



Climate controlled and vacuum fed, paper input modules support true "all media from all trays" capability



MAXIMIZE UPTIME

- Efficient workflow automation
- Automated quality inspection
- Automated print head and nozzle maintenance
- Key operator maintenance
- Secure remote service capability
- Advanced predictive maintenance
- No daily color calibrations

IMPROVE YOUR BOTTOM LINE

- Accelerate offset-to-digital print migration
- Upgrade monochrome to higher-margin color
- Consolidate monochrome and color work
- High-speed output at lower per-page cost
- True white paper workflow solution

OCÉ VARIOPRINT i-SERIES

PRINT QUALITY YOU CAN SEE

Expand your media choices

The Océ VarioPrint i-series' optional ColorGrip feature enables printing on a wider range of media, expanding the application range. ColorGrip enhances the image quality on papers not designed for inkjet, giving these papers a print quality rivaling inkjet treated stocks. Consider the quality of an inkjet treated stock with the paper price of an uncoated offset commodity stock. ColorGrip also expands the media range to include some coated offset stocks.

Now print jobs can include a variety of coated, uncoated, and treated stocks and the printer automatically adjusts the print parameters for each media type on a sheet-by-sheet basis.

Quality from start to finish

The Océ VarioPrint i-series' innovative inkjet printing system incorporates a range of proven Océ technologies to enable premium quality printing on a diverse range of media – ensuring optimum accuracy and appearance for each application. It also stands out for its ability to reproduce a wide color gamut on different substrates.

Quality control is intelligent, automated, and continuous. A "sentry" unit in the press automatically inspects media at full speed at a point just before the print process

begins. Any sheets with detected imperfections are removed and diverted to a top tray – without interrupting production. To ensure that output quality is maintained during printing, print head nozzles are also monitored. Nozzle failures are automatically compensated for, giving you consistent premium inkjet quality on all media.

Fully automated maintenance routines ensure that the Océ VarioPrint i-series press is always prepared to print whenever you need it. A combination of cleaning procedures to include, purge and wipe and wet-tissue cleaning are employed to automatically ensure optimal nozzle condition, saving considerable operator time over manual maintenance routines.

The Océ VarioPrint i-series presses feature Océ-developed drop size modulation technology that precisely delivers up to 80 million drops per second. Each ink droplet can be one of four sizes, resulting in smoother color gradations usually achieved only on higher resolution presses.

Versatile and flexible media handling

The press can handle a range of diverse media, such as offset uncoated and offset coated, inkjet-treated and inkjet coated materials, with papers for different applications easily loaded within or between jobs.

PRINT QUALITY

Inkjet technology enables high quality prints on many media, if the print process, ink and substrates are well attuned to each other. The Océ VarioPrint i-series intelligence and innovations ensures a balanced quality and cost result on any chosen media type.

Paper
coating
grammages
surface structures
surface tension



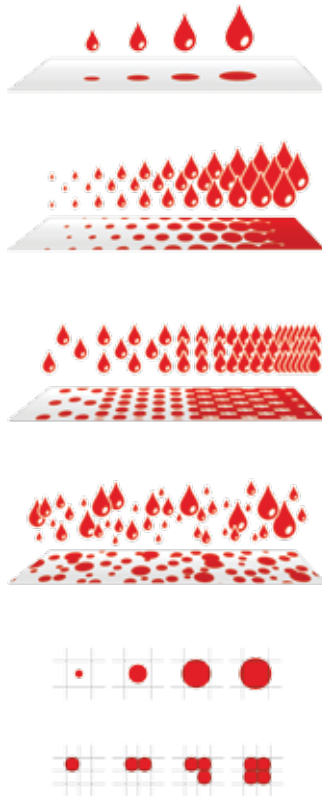
Ink
viscosity/wetting
layer thickness
drying behavior
colorants

ColorGrip
apply where needed
image based
layer thickness



Print process
speed
printhead dpi
dropsize
head stability
pre-treatment
drying

Print on a broad set of standard offset and inkjet media – on sheets up to 13.8" x 19.7"



DROP SIZE MODULATION

Océ-developed drop size modulation technology offers four droplet sizes, that result in 600 x 600 dpi quality with smoother color gradations and the same visual perception of a 1200 dpi system

Air-separated, vacuum suction-based feeding ensures reliable input from the high-capacity paper trays, as well as smooth switching between different substrates. A seamless stainless steel print belt moves sheets at high speed through the system, keeping them securely in place and flat during transport. The belt also maintains a consistent distance between media and print heads, ensuring precise ink placement and optimal print quality.

Workflow that puts your team in control

With the Océ VarioPrint i-series, you'll benefit from a completely automated workflow and highly intuitive operation. Combined with Océ PRISMA® workflow software, it provides maximum efficiency and productivity. PRISMA is an end-to-end software suite that covers every stage in document production – from creation to print management to finishing and tracking delivery.

PRISMAsync print operation management optimizes productivity with a high-performance server, media-driven workflow, and the ability to schedule up to eight hours of production in advance. The controller puts your team in control with an efficient, clearly defined task-based workflow that distributes and localizes key tasks – enhanced with helpful operator alerts, such as signals to load new media or consumables.

The PRISMAsync controller's intuitive interface works seamlessly with other Canon output devices, enabling workflow alignment and minimizing operator learning curve. The Océ VarioPrint i-series supports the following popular PDLs: PS, PDF/x, PDF/VT, PPML, and APPE version 4.x. It uses proven Océ Scaleable Raster Architecture (SRA) controller technology to integrate with Océ inkjet web-fed presses, making it possible for the Océ VarioPrint i-series presses to serve as reprint devices for other Océ inkjet devices. Advanced color management capabilities are built in to ensure consistent and accurate color fidelity.

With PRISMAsync workflow, you benefit from increased predictability and flexibility, accelerated job turnarounds with fewer errors – and a smooth, highly productive workflow that can become the foundation of a growing business. The advantage of running Remote Manager, Remote control or PRISMAlytics dashboard will provide you the control and productivity tools to help grow your business.



Sheetfed

Color

Inkjet

Inks



DATA SHEET

OCÉ VARIOPRINT i-series REINVENTING SHORT RUN INKJET PRINTING

Sheetfed flexibility combined with inkjet productivity

The Océ VarioPrint® i300 inkjet press transformed the cutsheet production landscape. Now, the inkjet series has been expanded to include the Océ VarioPrint i200, giving you more options in high-volume, color sheetfed printing. Available in two speeds, the expanded series combines efficient short runs, high media flexibility, faster turnaround times and exceptional end-to-end productivity with low total cost of ownership.

With a low Total Cost of Ownership, it opens up profitable application opportunities ranging from transactional to commercial print.

- Océ inkjet technology
- Production speeds of up to 294 (i300)/194(i200) letter impressions per minute
- Paper sizes up to 13.8" x 19.7"
- Automated workflow
- iQuarius™ technologies for reliable high-speed inkjet on sheets
- Competitive running costs in monochrome and color
- Flexible and versatile media handling
- Intelligent quality control



Consolidate mono and color pages

Combining the proven inkjet advantages of high productivity and low running costs with cutsheet versatility and media flexibility, the Océ VarioPrint i-series is ideal for a wide range of color and monochrome applications. It combines black and white and color pages on one single print platform in a cost-efficient and productive manner – eliminating the need for dedicated monochrome and color printing systems.

Innovation with proven technology

The Océ VarioPrint i-series' incorporates a range of proven Canon technologies to enable high quality printing on a broad set of media. These include scalable Océ PRISMA®sync controller technology and (Océ PRISMA) workflow integration, Océ VarioPrint® 6000 pre- and post processing technologies, and Océ ColorStream® printhead technology. Its iQuarius technologies unite sheetfed versatility and inkjet productivity. The Océ VarioPrint i-series also features a flexible architecture that can be easily upgraded with new product extensions and additional functionalities, such as the ability to print on offset/litho coated media.

Expand your media choices

The VarioPrint i-series' optional ColorGrip feature enables printing on a wider range of media, expanding the application range. ColorGrip enhances the image quality on papers not designed for inkjet, giving these papers a print quality rivaling inkjet treated stocks. Consider the quality of an inkjet treated stock with the paper price of an uncoated offset commodity stock. ColorGrip also expands the media range to include some coated offset stocks. Now print jobs can include a variety of coated, uncoated, and treated stocks and the printer automatically adjusts the print parameters for each media type on a sheet-by-sheet basis.

Maximum end-to-end productivity

The Océ VarioPrint i-series printer offers a complete automated workflow and intuitive operation. It consistently delivers impressive production speeds up to 294/194 duplex letter impressions per minute on a wide range of media. Reduced set-up and finishing times together with a short start up/warm up period ensure maximum end-to-end productivity.

Versatile and flexible media handling

The Océ VarioPrint i-series produces excellent results on a wide variety of media, including uncoated (offset) and inkjet treated paper. It can print on media up to 13.8" x 19.7" and different papers can be easily loaded within or between jobs. Air separated paper feeds ensure reliable input from the high capacity paper trays as well as smooth switching between different types of media. A seamless print belt moves sheets at high speed through the system, keeping them securely in place and flat during transport, and allows productive switching of media sizes with no mechanical adjustments.

Quality assured from start to finish

The Océ VarioPrint i-series is designed to ensure optimum quality for each application. By controlling drop size, you can print at a perceived 1200dpi image quality level. Quality control is intelligent and automated. A "sentry" unit automatically inspects media at full speed just before the print process begins and purges any sheets with detected imperfections via a top tray – without a production stop.

		Océ VarioPrint i-series	
TECHNOLOGY	Océ VarioPrint i200	Océ VarioPrint i300	
Model	Sheetfed inkjet digital press		
Technology	Drop-on-demand, piezo electric		
Ink	Proprietary aqueous pigment ink		
Colors	CMYK standard		
Print Resolution	600 x 600 dpi, Multilevel droplet modulation		
Print Speed	194 Duplex Letter impressions per minute, 146 Simplex Letter impressions per minute, Up to 11,640 letter impressions per hour	294 Duplex Letter impressions per minute, 146 Simplex Letter impressions per minute, Up to 17,640 letter impressions per hour	
Average Monthly Print Volume	2 to 5 million Letter		
Max Volume	Up to 6 million impressions per month	Up to 10 million impressions per month	
Maximum print width / length	13.8" x 19.7"		
Print distance from edge	X-direction: 2mm / Z-direction: 2mm on all sides		
PAPER INPUT (PAPER INPUT MODULES)			
Description	<ul style="list-style-type: none"> Paper input module with 4 input trays, up to 3 PIMs PIMs provide integrated humidity conditioning to prevent waviness and help ensure the best quality output and optimal productivity Air separated vacuum feed input – Provides reliable feeding and high speed performance for a variety of substrates. 		
Paper trays	Paper trays 1 and 2 - 600 sheets 20 lb. bond / 2.5" stack height Paper trays 3 and 4 - 1,700 sheets 20 lb. bond / 7.1" stack height		
Maximum input capacity	3 x 4,600 sheets (13,800) 20lb. bond* Dual Tray Option: Tray 3 and 4 Only - 3,300 per Tray PIM Total 7,800 8.5" x 11" 20 lb.		
Paper sizes	All custom sizes between the minimum 8" x 8" and the maximum 12.6" x 19.2" are supported (standard PIM) Additionally supported: 7" x 10" Statement (with guide) and 13" x 19" or 13.8" x 19.7" (with dedicated Flex PIM option) PIM Flex XL supports all sizes between 8" x 8" and 13.8" x 19.7"		
Paper Weight	60 – 300 gsm / 40 lb. offset – 100 lb. cover (Depending on media type, weights above and below subject to testing)		
Substrates	Plain, offset uncoated, inkjet optimized uncoated/coated, offset coated		
PAPER OUTPUT: HIGH CAPACITY STACKER			
Description	Up to 2 HCS units with an optional interface to 3rd party finishing support, up to 2 High Capacity Stackers Straight and offset stacking. Unload while print.		
Main Trays	Stack tray and eject tray, each holding one stack; Capacity: 6,000 sheets in 2 x 3,000 sheet stacks / 20 lb. paper Max stack height (per tray): 14" stack with configurable stack height		

* With six dual trays

ENVIRONMENTAL

Temperature Range	Optimal range 68–79 °F
Relative Humidity Range	Optimal range 30–50% RH
Atmospheric Pressure Range	840–1,060 mbar (maximum altitude 5,000 ft. above sea level)
Noise emission	Sound pressure position level (at Operator Panel) running 71 dB, stand-by 61 dB

ELECTRICAL REQUIREMENTS (NO TRANSFORMER)

Main Connection Print Module <i>Specs below are not valid for the current power module (REV2, single power module for both EU and US), transformers are needed for all connections. This will remain valid until engine number (best guess) 110-120.</i>				Mains Connection Operating Cabinet		Mains Connection Control Module <i>(contains Service Work Station and RIP clients)</i>	
Description	Value			Description	Value	Description	Value
Mains power connection	50 / 60Hz	50 / 60Hz	50 / 60Hz	Mains power connection	50 / 60Hz	Mains power connection	50 / 60Hz
	Δ	Δ	Y		100 – 240V		200 – 240V
	208V	240V	277V/480V		±10%		±10%
	±10%	±10%	±10%	Transformer needed	NO	Transformer needed	NO
Transformer needed	YES	YES	YES	Rated Current	5.5A	Rated current	10A
Rated current	135A	115A	65A	Building fuse	13 – 20A	Building fuse	13 – 20A

POWER CONSUMPTION

During printing	<ul style="list-style-type: none"> < 50 kW - 12 kW (printing, 80 g/m2 plain paper) - 7.5 kW (standby) - 2.3 kW (sleep mode)
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PHYSICAL DATA

Physical Dimensions (W x D x H)	32'7" x 9'2" x 7'10" (2 PIMs)
Minimal space (service clearance)	Floor space: 34.8" x 21.3 ft (standard configuration) Height: 9.8 ft Volume: 205 m ³
Weight	5,500 - 6,600 lbs. (basic configuration)
Floor load	Maximum point load 12 N/mm ² or 1,740 psi (print module castors)

WORKFLOW

Controller	PRISMAsync Controller
Page Description Languages	PDF, IPDS, PS, IPDS with PDF containers
Connectivity	2x 10 gigabit Ethernet 10/100/1000 Base T , TCP/IP , static/auto IP (DHCP) , IPv4 , IPv6, Network Time Protocol (NTP)

STANDARD FEATURES

- Nozzle Failure Compensation
- Paper Sentry Unit
- Automated self-cleaning print heads
- Online finishing connection interface (DFD)

OPTIONS


- 1 additional PIM (PIM orFlex PIM)
- 1 additional HCS
- Controller option (2nd PDL)
- Finishing options
- DP Link Software
- Dual Paper Trays

SPEED (IMAGES PER MINUTE) STANDARD PAPER FORMATS

i300 Simplex: 146 letter / 94 legal / 80 ledger / 76 (12" x 18") Duplex: 294 letter / 176 legal / 150 ledger / 142 (12" x 18")	i300 Simplex Specialty*: 147 letter / 95 legal / 80 ledger / 76 (12" X 18") Duplex Specialty*: 196 letter / 123 legal / 104 ledger / 98 (12" x 18")
i200 Simplex: 146 letter / 94 legal / 79 ledger / 75 (12" x 18") Duplex: 194 letter / 126 legal / 104 ledger / 100 (12" X 18")	i200 Simplex Specialty*: 146 letter / 94 legal / 79 ledger / 75 (12" x 18") Duplex Specialty*: 146 letter / 94 legal / 78 ledger / 74 (12" x 18")

* The VarioPrint i300 Media Library profiles each media type and uses Specialty Speed for specific media.





CANON SOLUTIONS AMERICA unites the power of Océ Production Printing Systems with the strength of Canon.

Look to Canon Solutions America for all your production needs:

Enterprise Printing in the office and corporate print room

Large Format Printing of technical documentation, signage, and display graphics

Production Printing for marketing service bureaus and graphic arts

Business Services for document process outsourcing

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

For more information,
contact your sales representative

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