

**Canon**

**varioPRINT  
140 series QUARTZ**

**MONOCHROME  
PRODUCTION  
DIGITAL PRESSES**



**Performance Throughout.**

# varioPRINT 140 SERIES QUARTZ

## Introducing the varioPRINT 140 series QUARTZ. Performance Throughout.



**REGISTRATION TOLERANCE UP TO +/- 0.5mm**

<b>PRODUCTION SPEED UP TO 140 ipm</b> (Letter, 20 lb. Bond)	<b>MAXIMUM SHEET FEEDING CAPACITY 12,000<sup>1</sup></b>	<b>AMPV Up to 800,000 ipm<sup>2</sup></b> <b>Duty Cycle: Up to 2.3 Million ipm<sup>2</sup></b>
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**Consistent, High Quality with DIRECTPRESS TECHNOLOGY**



**SUPPORTS SIZES 5.5" x 7.2" up to 12.6" x 19.2"**

<b>OZONE-FREE PRINTING</b>	<b>VIRTUALLY NO TONER WASTE</b>	<b>ENERGY STAR<sup>®</sup> CERTIFIED</b>	<b>EPEAT SILVER</b>
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<sup>1</sup> Maximum letter-sized capacity (20 lb. Bond) with ePIM and Duo Tray option installed in trays 3 and 4.

<sup>2</sup> Letter

# Performance that delivers.

The varioPRINT 140 series QUARTZ monochrome production digital presses are true digital printing solutions that are easy to use and deliver high-quality, consistent images while helping increase operator productivity. With a minimal footprint requirement, these presses can fit in most operations and help to reduce the environmental impact of your business.

Designed for in-plants and small to mid-size commercial print shops, the varioPRINT 140 series QUARTZ digital presses are designed to provide the dependability and efficiency needed to allow you to focus on expanding your business. They also deliver outstanding reliability, thanks to innovative engineering and exceptional uptime. Moreover, they're robustly built to deliver the all-round performance your business demands.

The PRISMAsync print server's intuitive UI provides an easy-to-operate press that can help your entry-level and most experienced operators efficiently produce a wide range of applications. This advantage helps you to meet today's tight turnaround times, whether your jobs are simple or complex.



**Integral Productivity**



**Consistent Quality Thanks to DirectPress**



**Application Versatility**



**Best-in-Class Sustainability**



varioPRINT 140 QUARTZ shown with optional accessories.

# Perfect-Fit System.

## QUICK PRINT/PRINT-FOR-PAY

The varioPRINT 140 series QUARTZ meets the needs of the quick-print market, delivering powerful opportunities with its high-quality printing/copying/scanning, reliability, and versatility, all in a small footprint.

The PRISMAsync Scheduler and up to 140 ipm speed help maximize quick turnaround times. Intuitive, simple user interfaces help to streamline prepress and reduce the learning curve, providing outstanding efficiency with multiple, inline finishing options that can help you expand your business opportunities.

## IN-PLANT

The varioPRINT 140 series QUARTZ delivers the productivity, ease of use, and versatility your operation requires while helping reduce environmental impact. These presses support outstanding efficiency with enhanced copy/scan functions, security options, and seamless integration into most existing workflows.

To enhance productivity, customers can submit work to the in-plant via a wide variety of optional software solutions, including Canon's enterprise-wide print management leveraging uniFLOW and PRISMA software.

## COMMERCIAL PRINT

Image quality, durability for monthly print volumes of up to 800,000 impressions, and productivity make the varioPRINT 140 series QUARTZ digital presses ideal for the commercial print industry. The PRISMAsync print server and Remote Manager help keep operations smooth and intuitive for more results with fewer operators.

A generous input capacity of up to 12,000 sheets<sup>3</sup> and automated workflow options help increase throughput. Additionally, inline finishing options offer white-paper-in/finished-product-out workflows, that help to reduce touch points and errors while precise, high-capacity stacking is ideal for shops with offline finishers.



## Consistent Quality for Optimal Uptime



### Improve Uptime

In one single step, DirectPress technology converts digital data to a toner image, helping to eliminate the processing steps that allow for deterioration of quality over time. This results in fewer resulting parts, increased reliability and system uptime, and less steps to produce prints.



### Consistent Quality

DirectPress technology also helps ensure consistent, high-quality printing on a wide range of media across jobs, systems, and time. The result is predictable, offset-like output without streaks, striping, or banding.



### Monocomponent Toner

All substances needed for printing are present in each and every toner particle. There's no developer needed and no risk of degradation over time, thereby helping to consistently deliver high-quality prints.

# Configure For Your Success.

## PERFORMANCE THAT FITS

With print speeds of up to 140, 130, and 115 images per minute respectively, the varioPRINT 140/130/115 QUARTZ monochrome digital presses can be easily configured to meet your requirements, from scanning to on-board editing to full, inline production.

## MULTIPLE SCANNING OPTIONS

Monochrome and color scanning capabilities let you offer flexible document digitization and archiving services. One-pass duplex scanner plus “Scan-to” options, including Scan-to-SMB, Scan-to-FTP, Scan-to-USB, Scan-to-Email, and Scan-to-DocBox, provide flexibility to support your scanning workflow.

## WIDE RANGE OF MEDIA

The varioPRINT 140 series QUARTZ provides efficient production on a wide range of stocks including plain, coated, textured, and carbonless substrates from 13 lb. Bond to 110 lb. Cover (50-300 gsm) in all trays, with automatic duplexing for all media up to 300 gsm.

## VERSATILE PAPER FEEDING

Four paper trays are conveniently placed under the engine, conserving valuable floor space. For increased capacity and productivity, an optional, four-tray External Paper Input Module (ePIM), featuring air separation and suction feeding, can expand capacity up to 12,000 Letter-sized sheets<sup>3</sup> for hours of unattended production.

## STREAMLINED FUNCTIONALITY

Inline finishing modules help you produce and finish more jobs without operator intervention, thereby shortening completion time and helping you to meet even the tightest deadlines.



<sup>3</sup> Maximum Letter-sized capacity (20 lb. Bond) with ePIM and Duo Tray option installed in trays 3 and 4.



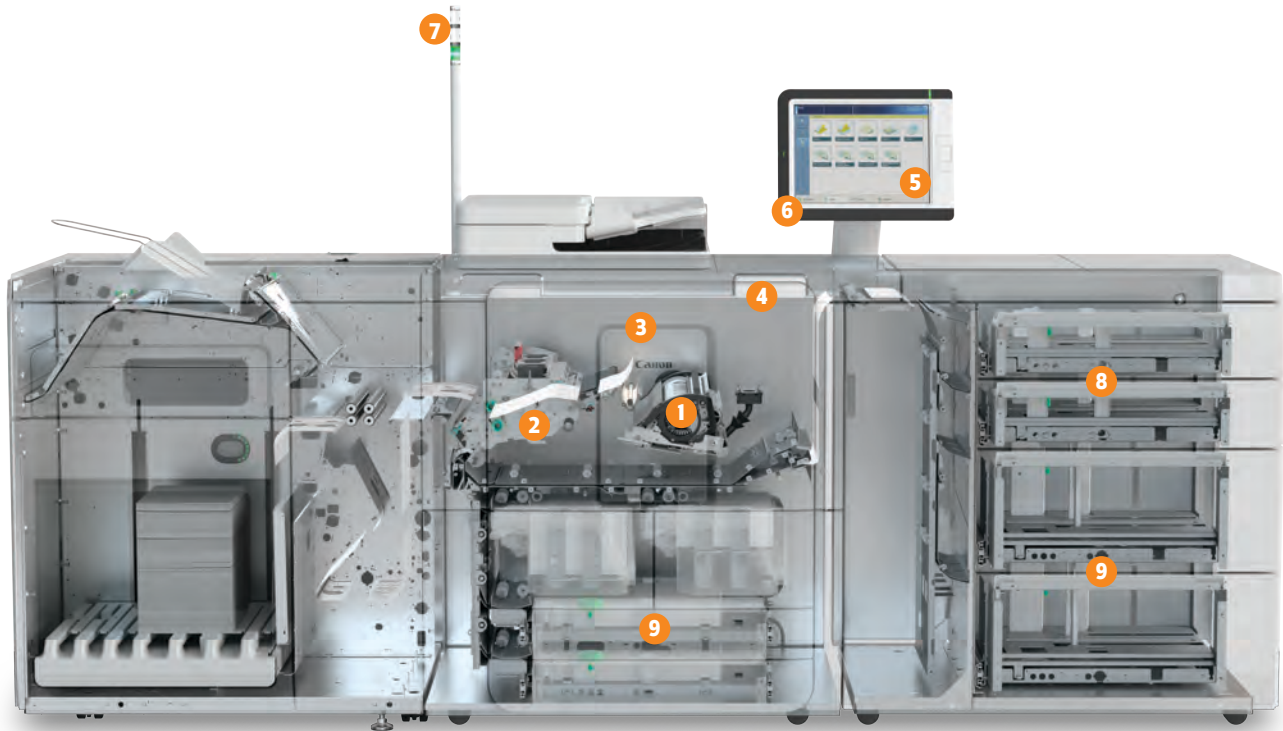
## Speed Pass Program<sup>4</sup>

The Speed Pass Program empowers you to temporarily upgrade the system's speed. This allows you to handle peak workloads without a significant, long-term investment in new equipment, which helps reduce paying for overtime or outsourcing. Permanent speed upgrades are available to help you align your production speed to your business growth or maintain productivity when right-sizing your fleet.

<sup>4</sup> Optional.



# Innovative Technology Delivers Sustainable Productivity.



varioPRINT 140 QUARTZ shown with optional accessories.

## 1 DIRECTPRESS TECHNOLOGY

This technology converts digital data to a toner image in a single step, with no ozone emissions, fuser oil, or developer, and virtually no toner waste.

## 2 HEATXCHANGE TECHNOLOGY

Printed sheets are cooled and those to be printed are preheated in a single process, reducing energy consumption in this process by up to 30%. The cooling of printed sheets helps reduce curling and sticking for more reliable finishing.

## 3 ENERGYLOGIC TECHNOLOGY

As soon as sufficient energy is available, start-up is quick. It also helps ensure non-stop productivity for mixed-weight jobs.

## 4 MONOCOMPONENT TONER

Oil- and developer-free imaging helps ensure excellent image quality in a clean environment, without the need for costly ventilation systems or special filters.

## 5 PRISMAsync PRINT SERVER

This intelligent print server with an intuitive, graphical user interface shows production schedules at a glance, predicts run times, and indicates when consumables will need replacement. Driving productivity with a media-driven workflow that's uniform with other PRISMAsync-driven Canon digital presses.

## 6 SCREENPOINT AND SUPERCELL TECHNOLOGIES

Optimize each individual page based on the type of content being printed, delivering razor-sharp details (180 lpi), nuanced images, and smooth gradients.

## 7 OPERATOR ATTENTION LIGHT<sup>5</sup>

This conveniently displays press status so the operator quickly knows if production is moving smoothly or operator intervention will be required.

## 8 VACUUM FEEDING AND AIR SEPARATION

These help provide reliable feeding from all trays on all media, which aids in reducing potential misfeeds when printing.

## 9 PAPER LOGIC TECHNOLOGY

This technology helps take the guesswork and errors out of paper loading; simply load paper in the orientation in which it's intended to be read.


<sup>5</sup>Optional.


# Application Versatility.


Professional finishing results can be yours with the strong, inline capabilities and extensive, optional integrated solutions.


Produce a broad range of deliverables—Z-folded schematics; saddle-stitched, square-spine, or wire-bound booklets; manuals; training materials; newsletters; statements, and more. Optimize your production with inline finishing options that provide white-paper-in/finished-product-out productivity.


## Finishing Options<sup>6</sup>


 **Decurling** This reduces paper curl that can occur dependent on environment, media, and/or job parameters to delivery flatter sheets, improved stacking, and better runability in downstream finishers.


 **Document Inserting** This module enables insertion of slip sheets or preprinted covers for booklets and complex jobs.


 **Professional Punching** The numerous die patterns offered for inline hole punching (including double punching) help increase productivity when producing various styles of ring- or wire-bound booklets.


 **High-Capacity Stacking** Realize maximum productivity with unload-while-run capability, helping to provide uninterrupted printing with stacking of up to 6,000 sheets.


 **Wire Binding** Utilize the GBC eWire Pro to help automate the time-consuming process of wire binding manuals, booklets, and reports.

 **Paper Folding** Offer promotional pamphlets, brochures, and more with the ability to produce Z-fold, C-fold, accordion fold, and double-parallel fold documents.


 **Staple and Saddle Finishing** Corner or double staple up to 100 sheets, saddle-stitch up to 100-page booklets, or stack up to 5,000 sheets of paper sizes up to 13" x 19.2". A side jogger helps keep media in neat straight or offset stacks.


 **Booklet Trimming** Help maintain high productivity with a large-capacity trim waste bin and on-the-fly waste removal for continuous production. These modules can combine with the Booklet Finisher to help operators produce professional, full-bleed booklets inline.


 **Professional Booklet-Makers** Deliver professional-looking, lay-flat booklets with speed and simplicity using the SDD Square Folder or Square Folder with Two-Knife Trimmer inline with the Canon Trimmer or the Plockmatic BLM50/35 for up to 200-page professional, square-folded, saddle-stitched booklets.


 **Finisher Bridge** Connect the SDD or Plockmatic professional booklet-makers to the Staple Finisher without having to sacrifice corner stapling or 2-/3-hole punching.


## Feeding Options<sup>6</sup>

 **Internal Paper Input Module** The standard input capacity from the main engine cassettes is 4,000 sheets.

 **Bulk Tray Small Format Option for iPIM** Convert either or both bulk trays to Statement size, ideal for high-volume statement printing.

 **External Paper Input Module (ePIM)** Equipped with vacuum feeding and air separation, each tray supports media up to 12.6" x 19.2", 13 lb. Bond to 110 lb. Cover, and increases total media capacity to 8,600 sheets.<sup>7</sup>

 **Duo Tray Option for ePIM** This converts tray 3 and/or 4 of ePIM to support two stacks of Letter-sized media, increasing total Letter-sized capacity of the press to up to 12,000 sheets.<sup>7</sup>

 **Forms Assist Module** Productively feed media with irregular thickness, such as media with glued-on passes.

<sup>6</sup> All paper capacity numbers and finishing capabilities based on 20 lb. Bond (80 gsm) paper.

<sup>7</sup> Maximum Letter-sized paper capacity (20 lb. Bond) with ePIM and Duo Tray option installed in trays 3 and 4.



## Streamline your workflow with PRISMAsync.

### PRISMAsync Print Server

#### A SINGLE POINT OF CONTROL

Canon's PRISMAsync print server consolidates control of your production workload into a single hub. Whether preparing simple jobs such as scan-to-file or complex jobs that require mixed media, you can easily perform a range of tasks from a single, consistent interface, helping reduce training time and increase productivity.

#### INTUITIVE OPERATION AND TOTAL PRODUCTION CONTROL

PRISMAsync offers intelligent job scheduling controls for uninterrupted production, and smooth workload planning of up to eight hours allowing the operator to monitor multiple jobs, receive custom notifications, and change priorities.

#### MANAGE JOBS YOUR WAY, REMOTELY

PRISMAremote Manager is a dynamic, web-based, multipress tool that's accessible via a workstation or mobile device on your network. With a contemporary look that aligns across the new PRISMA workflow applications, operators can submit and edit jobs, manage queues, and even reroute jobs among multiple PRISMAsync-driven engines. For optimal productivity, operators can personalize their view via a scalable and dynamic user interface that allows apps to be dragged, dropped, and scaled to create a customized view with only the information they require.

#### COPYING, SCANNING, AND EDITING MADE EASY

PRISMAsync's Easy Copy and Book Copy features provide increased efficiency in high-volume copy and scan environments. Operators can quickly add page numbers to PDF printouts with prefix and suffix, adjustable font, font size, and position.

Subset scanning and page-level editing<sup>8</sup> let operators build and manipulate even complex jobs right on the PRISMAsync press console. Store and easily access jobs that require regular reprinting with the optional DocBox.

#### ENABLE TARGET MARKETING

PRISMAsync print server provides powerful variable data printing (VDP) support with record-based editing and management and full compatibility with industry-standard VDP workflows, including PDF/VTI and optional PPML.

#### SMOOTH WORKFLOW INTEGRATION

PRISMAsync is powered by Adobe PDF Print Engine with Mercury RIP architecture. It integrates with JDF and JMF tools to help streamline and accelerate processes, reduce costs, and manage and control your operations. PRISMAsync DPLink and KDKLink options offer easy integration of varioPRINT 140 series QUARTZ digital presses into Xerox FreeFlow MakeReady or Kodak Smartboard environments.<sup>8</sup>

<sup>8</sup> Not all job ticket features are supported on all engine configurations.



# Help Secure Your Productivity.

With security features and uptime both top of mind, you can rest easier with these PRISMAsync features and options.

## INTEGRITY CHECKER<sup>9</sup>

Using McAfee Embedded control, Integrity Checker helps manage, continuously track, and validate the applications that are run on PRISMAsync.

## E-SHREDDING<sup>9</sup>

Proper disposal of sensitive or confidential electronic data is imperative to help prevent inadvertent disclosure. Electronic data shredding (or e-shredding) can help prevent unwanted recovery of previously printed, scanned, and copied documents.

## USER AUTHENTICATION

PRISMAsync provides user authentication via heavily encrypted passwords. It also enables the System Administrator to define and manage tasks that limit operators to performing only those within set boundaries.

## DESIGNED FOR SUCCESS

No matter what the print environment, all agree: No service call is the best service call. Engineered with reduced service time in mind, DirectPress technology improves image consistency while helping to reduce maintenance and increase reliability and system uptime. Printer Operation Care allows safe and easy parts replacement by the operator—no training required.

The varioPRINT 140 series QUARTZ is designed for robust, reliable performance through the most demanding and time-consuming jobs. It will help you meet tight deadlines and deliver consistent quality prints that help retain satisfied customers.



<sup>9</sup>Optional.

# Sustainability Through Technology.

The varioPRINT 140 series QUARTZ is engineered with a strong environmental focus, designed with energy conservation, resource conservation, and pollution minimization in mind.



## CLEAN, SUSTAINABLE, AND OZONE-FREE

The streamlined printing process—with no electrical charge used—provides a cleaner work environment, without ozone emissions, selenium, fuser oil, or developer, and virtually no toner waste or particle emissions.



## CLOSING THE ENERGY LOOP

HeatXChange recycles the heat used to fuse toner onto paper, reducing energy consumption in this process. The low-fusing temperatures allow the machine to run cooler, which helps to keep your print room cooler, further reducing energy consumption.



## FIRST-TIME-RIGHT OUTPUT

Easy operation, reliable media handling, and Paper Logic are just some of the features that help reduce waste by maximizing first-time-right prints.



## SMARTER ENERGY USAGE

EnergyLogic's smart balancing of energy provides a fast first-print/copy-out time and no stoppage during mixed media jobs—only a speed adjustment if needed. The result is extra productivity, saving both time and energy.



## BUILT TO LAST

Much of the steel used in these systems is recycled, and main parts are designed to last the life of the machine. This helps to conserve resources, reduce waste, and limit the environmental impact of both logistics and service.



# Evolve with Canon.

Open up new possibilities for customer satisfaction with Canon U.S.A., a business partner you can rely on for innovative printing solutions.

## Empower Your Printing with PRISMA

Whether you're an in-house print center or a commercial print service provider, you strive to deliver a personal, flexible, and efficient value-added service. You must also be able to produce short runs at competitive rates while still making a profit. This demands efficient workflow management and the ongoing monitoring and control of press performance, wherever you are.

PRISMA Home<sup>10</sup> is the portal at the heart of PRISMA cloud applications. It provides central and unified access to your PRISMA cloud-connected workflow applications and those tools used for monitoring and controlling press performance. With PRISMA Home, you can leverage multiple engines at once from compatible PRISMA cloud applications and access your critical data from virtually anywhere.

## Team Up with a Visionary Leader

The varioPRINT 140 series QUARTZ digital presses can help transform your business, helping you increase your efficiency and flexibility. With 80-plus years of experience in designing and developing innovative imaging technology, Canon is constantly coming up with new solutions and refining its offerings to help your business maintain and increase its success. Together, we can help inspire your customers, improve your productivity, and enrich your operation's offerings. Canon's vision, realized through superb advances in technology, can help put your business on the path to a brighter future.



Discover More:  
[usa.canon.com/productionprinting](https://usa.canon.com/productionprinting)

<sup>10</sup> Separate purchase required.

# varioPRINT 140 SERIES QUARTZ

## Specifications

		varioPRINT 140	varioPRINT 130	varioPRINT 115
<b>Print Speed (Duplex)</b>	<b>Letter</b>	Up to 140 ipm	Up to 130 ipm	Up to 115 ipm
	<b>11" x 17"</b>	Up to 73 ipm	Up to 68 ipm	Up to 60 ipm
<b>Monthly Duty Cycle</b>		Up to 2.3 Million	Up to 2.1 Million	Up to 1.8 Million
<b>Print Resolution</b>	<b>dpi</b>	600 x 2400		
	<b>lpi</b>	200		
<b>Paper Capacity<sup>11</sup></b>	<b>Standard</b>	Up to 4,000 Sheets		
	<b>Maximum<sup>12</sup></b>	Up to 12,000 Sheets		
<b>Paper Size<sup>13</sup></b>	<b>Standard</b>	5.5" x 7.17" to 12.6" x 19.2"		
<b>Paper Weight<sup>13</sup></b>	<b>Standard</b>	13 lb. Bond to 110 lb. Cover		

## OPTIONS

### Feeding Options

- Bulk Tray Small Format-AI
- External Paper Input Module-EI
- Duo Paper Tray-CI
- Form Assist Module II
- Document Insertion Unit-RI

### Finishing Options

- Staple Finisher-AGI
- Booklet Finisher-AGI
- Puncher Unit-BSI
- High Capacity Stacker-JI
- DFD Adapter and Finisher Bridge-A2
- PowerLift-AI

- Paper Folding Unit-KI
- Multi Function Professional Puncher-CI
- Booklet Trimmer-GI
- Two-Knife Booklet Trimmer-BI
- Output Tray
- Decurler-DI
- SDD Square Fold Booklet-Maker
- SDD Square Fold Booklet-Maker with Two-Knife Trimmer
- Plockmatic BLM50/35 Booklet-Maker
- GBC eWire Pro

### Print Server

- PRISMAsync Print Server

<sup>11</sup> Capacity based on 20 lb. Bond.

<sup>12</sup> Maximum capacity is for Letter-sized sheets with ePIM and Duo Tray option in trays 3 and 4.

<sup>13</sup> See Customer Expectations Document and Approved Media List for detailed media specifications and supported media detail.

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