Canon
SEE IMPOSSIBLE

varioPRINT
6000 TITAN SERIES

MONOCHROME PRODUCTION DIGITAL PRESSES

varioPRINT 6000 TITAN SERIES

SECOND TO NONE

Black-and-white production is here to stay. It continues to be the largest, most stable and cost-effective segment of the digital, sheetfed printing market and offers continued opportunities for growth. It's also highly competitive, with tight deadlines, intense pressure to control costs, and many customers demanding an expanding range of applications.

Now you can take on the challenges, differentiate your business, capture new opportunities, and do so faster, better, easier, and with less impact to the environment. The varioPRINT 6000 TITAN Series is a powerful, high-speed, high-quality, monochrome digital perfecting press that's second to none.

varioPRINT 6330 TITAN shown with optional accessories.

Integral Productivity

- Four models with speeds to match various output needs (up to 177/ 216/266/ 320 ipm)[1]

- Gemini Instant Duplex Technology — one-pass, two-sided printing

- High reliability with a short, simple paper path

- Simply add more speed when you need it with the Speed Pass Program[2]

- Cold paper path for automatic inserting from any tray of the paper input modules

Application Versatility and Quality

- Deliver outstanding offset-like quality with 600 x 1200 dpi resolution and up to 180 lpi

- Automatic sheet positioning and superb registration

- ScreenPoint Technology automatically converts color images to grayscale for optimal image quality

- Copy Press technology delivers precise printing on a wide variety of media, including textured stocks, carbonless, and tabs

- True convergence for instant switching between on-demand, VDP, and transactional printing

Best-in-Class Sustainability

- Highly efficient energy consumption

- Solvent-free toner with virtually no toner waste

- Minimal ozone emissions

- Low noise level for operator comfort

- First-time-right output reduces waste

[1] varioPRINT 6000 MICR TITAN Series has a maximum speed of up to 266 ipm.
[2] Optional

FIRST CHOICE FOR YOUR BUSINESS

Give your business a competitive edge by optimizing reliability and productivity while bringing flexibility to your production. Engineered to deliver maximum throughput, quality, and sustainability for a full range of high-volume production environments, there's a varioPRINT 6000 TITAN model that's the right fit for your business.

COMMERCIAL AND IN-PLANT CORPORATE PRINTING

varioPRINT TITAN
6180/6220/6270/6330

TRANSACTION PRINTING

varioPRINT TP TITAN
6180/6220/6270/6330

FINANCIAL PRINTING

(For highly sensitive financial documents)

varioPRINT MICR TITAN
6180/6220/6270

THE TOOLS YOU NEED TO GROW YOUR BUSINESS

THE POWER TO DO MORE

The varioPRINT 6000 TITAN Series represents Canon's continued investment in, and understanding of, monochrome production digital printing innovation and technology and its importance for growing your business.

INTEGRAL PRODUCTIVITY

Doing more in less time is engineered into the very core of the varioPRINT 6000 TITAN Series—the fastest monochrome production press in its segment.

Based on the market-proven Gemini Instant Duplex Technology, the Series prints both sides of a sheet in a single pass with near-perfect front-to-back registration—making it both ultra-quick and ultra-reliable!

A short, no-flip, no-stop paper path virtually eliminates paper jams for optimum uptime, higher throughput, and reliable efficiency every time.

PRISMAsync Print Server helps streamline production and facilitate communication. Its intuitive interface makes printing operations more seamless and consistent while minimizing errors, turnaround time, and waste.

The optional **Speed Pass Program** gives you the power to upgrade system speed to handle peak workloads without a significant, long-term investment in new equipment, helping to reduce paying for overtime or outsourcing.

APPLICATION QUALITY AND VERSATILITY

The varioPRINT 6000 TITAN Series consistently turns out printing that truly rivals professional offset quality, impresses customers, and helps open up business opportunities in profitable new markets—without the need to purchase, operate, and maintain multiple systems.

Copy Press Technology presses and fuses toner into the paper with virtually no toner waste or the use of developer for matte, offset-like output. Low fusing temperatures help prevent paper curling and reduce the chance of toner cracking.

SuperCell Technology is an intelligent, half-toning algorithm that delivers razor-sharp text and nuanced images with outstanding resolution.

The optional **Document Finishing Device (DFD)** Interface on the High-Capacity Stacker allows for workflow automation through integration with a range of third-party finishing options. It also helps add value with professionally finished, perfect-bound books; saddle-stitched booklets; or square-spined booklets.

The optional **Light Weight Media Kit** makes it possible to reliably print on stock as light as 12 lb. Bond/30 lb. Text (45 gsm), ideal for book printing, packaging inserts, manuals, and more.

PIM Flex-A1 can hold media as large as 13.8" x 19.7" (350 mm x 500 mm) to accommodate 13" x 19" house stocks or color inserts as well as enable reliable, four-up, on-demand book printing.

SCREENPOINT TECHNOLOGY

Automatically converts color images into grayscale images with excellent resolution, dense black fills, and precise fine lines, creating detailed light and dark depth. Operators can adjust contrast and control the level of darkness and lightness manually, without sacrificing details.
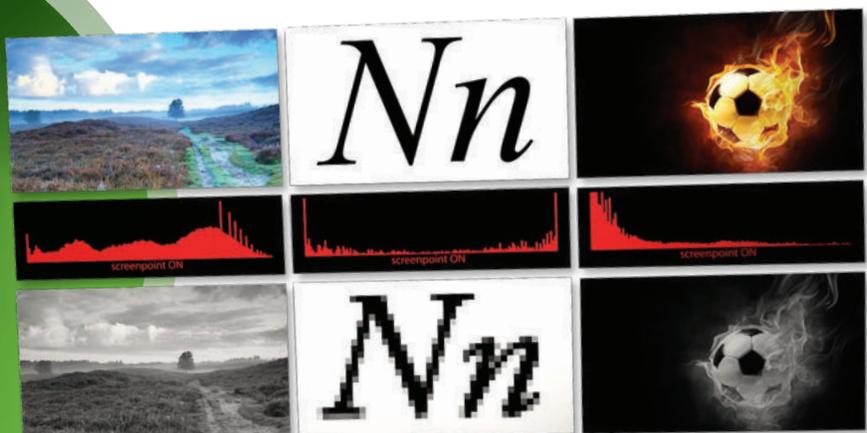
SUSTAINABILITY THROUGH TECHNOLOGY

SUSTAINABILITY AND STEWARDSHIP
At Canon, sustainability is designed into every product. The components and materials are built to last and made to handle heavy workloads and create better working environments.

RoHS COMPLIANT
varioPRINT 6000 TITAN Series, components are RoHS-compliant. Up to 95% can be reused or recycled at the end of their useful lives.

LOW ENERGY CONSUMPTION
Registering one of the lowest energy consumption levels in its class, its low heat emissions can also help decrease cooling and air conditioning demands.

LOW EMISSIONS
Copy Press Technology provides energy efficiency while helping keep ozone emission negligible. And with no solvents in its toner, there's no need for high-tech air filters or specially ventilated work areas.

LESS WASTE
A sophisticated toner recapture system does away with waste toner, and, subsequently, the need for a toner waste container. Monocomponent toner also eliminates having to dispose of developer. Reliable media handling and Paper Logic help reduce waste by maximizing first-time-right prints.

DESIGNED FOR PRODUCTIVITY, RELIABILITY, AND QUALITY

The varioPRINT 6000 TITAN Series' built-to-last, leading-edge technologies provide the speed, uptime, and fine image quality that can help your business maximize productivity so you can do more with less.

1 VACUUM FEEDING AND AIR SEPARATION

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

2 ULTRASONIC MULTISHEET DETECTION

Automatically detects multiple sheet feeding, sending them to the top escape tray to help prevent jams, errors, and reduce downtime.

3 PAPER LOGIC TECHNOLOGY

Takes the guesswork and errors out of paper loading. Simply load paper in the orientation in which it's intended to be read.

4 GEMINI INSTANT DUPLEX TECHNOLOGY

Images both sides of a page at the same time, helping to deliver tight registration, faster throughput, less waste, and lower operating costs.

5 COPY PRESS TECHNOLOGY

Presses toner into the substrate, providing a matte, offset-like look and feel to text and images.

6 ACTIVE REGISTRATION

Sophisticated sensors help ensure precise sheet positioning for simultaneous duplexing.

7 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.

8 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.

9 PRISMAsync PRINT SERVER

Intuitive, graphical user interface shows production schedules at a glance, predicts run times, and indicates when consumables will need replacement.

SPEED PASS PROGRAM[3]

Handle short-term, peak volumes with the ability to produce up to 320[4] Letter-sized pages per minute on varioPRINT 6180/6220/6270/models.

10 INSERT FROM ANY TRAY

Inserted pages bypass the imaging engine using a cold paper path for accurate, automatic interposing. Inserting sheets from any tray of the Paper Input Modules helps optimize tray usage while reducing the overall footprint of the press.

11 LIGHT WEIGHT MEDIA KIT

Optional Light Weight Media Kit supports stock as light as 12 lb. Bond/30 lb. Text (45 gsm) for expanded application support.

[3] Optional
[4] Up to 266 ipm on MICR models.

FEEDING AND FINISHING OPTIONS[5]

Optimal productivity means less touches from start to finish. The robust feeding and finishing options available with the varioPRINT 6000 TITAN provide the reliability you need for longer, unattended printing and white-paper-in, professionally finished-product-out productivity.

FEEDING OPTIONS

PAPER INPUT MODULES
Equipped with vacuum feeding and air separation in all trays for reliable paper feeding. Up to 3 PIMs or PIM Flex can be attached for maximum capacity of 13,800 sheets.

- **PIM Standard/Optional** Supports sheet sizes from 8" x 8" up to 12.6" x 19.2". Optional Duo Tray option can increase maximum capacity for Letter-sized media to 24,000 sheets.[6]

- **PIM FLEX** Supports sheet sizes from 8" x 8" up to 13.8" x 19.7".

TECNAU SHEET FEEDER
Up to 60,000-sheet feeding from one roll helps to increase throughput and reduce downtime and operator involvement. Ideal for high-volume environments with minimal paper variety.

FINISHING OPTIONS

GBC POWER PUNCH
Heavy-duty, interchangeable die sets provide a variety of punch patterns for high-volume punching.

BGB3202
Provides automated, on-demand production of glue-bound books of up to 600 sheets (1,200 pages).[5]

HIGH-CAPACITY STACKING
Holds up to 6,000 sheets in sizes from 8" x 8" to 13.8" x 19.7" and its unload-while-print capability provides virtually unlimited stacking capacity. Up to 18,000-sheet stacking with maximum stacker configuration for longer, unattended printing.

SET FINISHER FOR STAPLE FINISHING
Option for High-Capacity Stacker that provides stapling for sets of up to 100 sheets.

DSF30-N TAPE BINDER
Provides in-line production of tape-bound booklets, up to 100 sheets.

PROFESSIONAL BOOKLET-MAKERS
Deliver professional-looking, lie-flat booklets with the speed and simplicity of in-line saddle-stitching as well as inline trimming and rotating for increased productivity.[7]

- **SDD BLM6200 Booklet Maker** for up to 100-page booklets. Module design lets you add rotator, trimmer, and square-fold options based on your needs.

- **Plockmatic BLM550+ Booklet Maker** for stitched booklets of up to 208 pages. Rotator function built in for optimal productivity on small booklets. Professional book stacker and 2-Knife Trimmer options available for full-bleed finish.

- **SDD BLM6300 Booklet Maker** provides optimal productivity with the varioPRINT 6330 TITAN/TP TITAN. Produces stitched booklets of up to 100 pages. Module design lets you add rotator, trimmer, and square-fold options based on your needs.

VIDEK DOCUVISION™ EDGE
Performs full-page scan—reading bar codes, MICR lines, and logos—to help ensure the accuracy, accountability, and security of every job.

[5] Unless otherwise noted, all specifications based on 20 lb. Bond (80 gsm).
[6] Based on configuration of three PIMs with Duo Tray options installed in all supported trays.
[7] Rotator and Trimmer may be optional. Check specifications of each finisher option.

SMART, SECURE WORKFLOW

PRISMAsync PRINT SERVER

EMPOWER YOUR TEAM

Canon's PRISMAsync Print Server can not only help boost production capacity, it can also help to lower costs. It delivers the high-performance, deadline-driven printing that can help you grow your business and drive future success.

SMOOTH WORKFLOW INTEGRATION

PRISMAsync is powered by Adobe® PDF Print Engine with Mercury RIP architecture for parallel processing. It integrates with JDF and JMF tools to help streamline and accelerate processes, reduce costs, and help you manage and control your operations. PRISMAsync DPlink and KDKlink options offer easy integration into Xerox® FreeFlow® MakeReady or Kodak® Smartboard environments.

CLEAR COMMUNICATION

With a customized and intuitively named media catalog, locating and assigning paper stocks can be an easy process. When jobs are submitted, operators can quickly view the desired stocks and know which media is required and the quantity for each production job.

PREDICTABLE PRODUCTION CONTROL

Stay in control of your daily workload with up to eight hours of plan-ahead production with Job Scheduler. It will intuitively display time to job completion and upcoming interventions for media, toner, or staples.

MANAGE AND MONITOR PRODUCTION REMOTELY

PRISMAsync *Remote Manager* is a multipress scheduler and management console that provides great control over your fleet of compatible PRISMAsync-driven digital presses. This web-based tool helps you keep your presses running as continuously as possible, with work properly prioritized. Easily upload jobs, edit job properties, print and manipulate queues, and monitor your fleet—all from a remote workstation.[8]

PRISMAsync *Remote Control App*[9] takes this a step further, providing real-time notifications to mobile devices of upcoming operator actions, such as loading media or adding consumables. Alerts are also triggered when immediate action is required.

IMPROVE PRODUCTION WITH FACT-BASED DATA

PRISMAlytics Dashboard[9] is a cloud-based service that records press data and makes it easy to access and interpret. The dashboard displays usage-, production-, and consumption-related information. In an effort to help reduce costs and optimize productivity, the PRISMAlytics Dashboard can automatically collect production data and transform it into business-critical information.

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[8] The remote workstation must be connected to the same network as the digital press. An HTML 5-compatible web browser with JavaScript and WebSocket support is required.

[9] Remote Control App requires Android 4.1/iOS 7 or higher. Data charges may apply. Remote Control App and PRISMAlytics Dashboard require setup and data transfer outside of your network. A Google® or Microsoft® account is required to gain access. For details, please contact your Canon Authorized Dealer.

PROTECT YOUR DEVICES, DATA, AND OUTPUT

PRINT MORE SECURELY

Document-intensive environments need security tools to meet compliance requirements and manage rapidly evolving security threats and customer expectations. PRISMAsync offers a range of features and options to help protect your device, data, and output.

INTEGRITY CHECKER OPTION

PRISMAsync Print Servers can be equipped with Integrity Checker, which uses McAfee Embedded Control whitelisting tool to help control, continuously track, and validate applications that are run on PRISMAsync.

E-SHREDDING OPTION

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

ACCESS MANAGEMENT

PRISMAsync provides three methods to control user access to the print engine via the PRISMAsync Print Server. User authentication can be enabled via any of the following:

- **LDAP Operator Login**, using the operator's domain credentials.

- **Roles-based permissions**, managed locally via PRISMAsync Settings Editor.

- A **configurable User Interface** that allows administrators to manage which job settings are available to each operator on the press console and in Remote Manager, based on role definition.

UNLEASH YOUR POTENTIAL

TRANSACTIONAL PRINTING

The varioPRINT 6000 TP TITAN is optimized for the accuracy and security demands of transactional and direct mail environments, including corporate data centers, direct mailers, service bureaus, and commercial printers. The combination of a wax-based toner and an additional fusing station enhances press output durability during post-print processing.

It's also optimized for versatility and ease of operation. As true convergence printers, the varioPRINT TP TITAN models can instantly switch from on-demand document production (PDF, PS, PCL 6) to transactional printing (IPDS or SRA PCL 6)[10] and support a wide variety of media. With the ability to load up to 24,000 sheets[11]—including inserts that automatically bypass the print engine—even complex jobs and finishing can be easily automated.

MICR PRINTING

The varioPRINT 6000 MICR TITAN provides high-quality MICR output for highly sensitive, negotiable financial documents at speeds of up to 266 ipm Letter. It can switch instantly from printing payroll, balance transfer, and refund and convenience checks to booklets, direct mail, manuals, statements, and other print products.

Security features, such as micro-font printing and accountability for submitted checks,[12] help ensure that information isn't lost and checks, aren't double-printed. Printed output—using E-13B and CMC-7 MICR fonts—meets recognized standards such as ANSI X9AB and PIRA. Printed characters maintain uniform signal strength, so fewer adjustments are required. The result is a read-rate of over 99% through high-speed readers and sorters.

ON-DEMAND DIGITAL BOOK PRINTING

With the varioPRINT 6000 TITAN Series presses, you can confidently tap into new on-demand opportunities, like auto-stock replenishment or personalized books. The output will have all the features discerning customers are seeking, from offset-like print quality to near-perfect registration. And the press will have all the functionality and flexibility you're looking for, including a true, end-to-end workflow.

Easily and efficiently handle short runs down to a run-length of one, and reduce inventory while still meeting the most demanding service-level agreements. Enjoy increased productivity with online finishing capability and efficient, four-up book printing on media up to 13.8" x 19.7" (350 mm x 500 mm).[13] Expand your offerings with reliable support for a wide range of media weights, from 12 lb. Bond/30 lb. Text (45 gsm)[14] to 110 lb. Cover (300 gsm).

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[10] Not all PDLs are standard.
[11] 20 lb. Bond (Letter) capacity with 3 PIMs and Duo Tray option installed in all supported trays.
[12] Only supported in AFP/IPDS workflows.
[13] Requires optional PIM Flex-A1.
[14] Requires optional Light Weight Media Kit.

EXPAND YOUR OPPORTUNITIES

MANUALS/TECHNICAL DOCUMENTATION

The varioPRINT 6000 TITAN Series presses are ideal for just-in-time print production. They can efficiently print very short runs of manuals, like versioned or personalized training manuals, and then quickly convert to other digital duplex applications.

The DFD interface to third-party finishers enables efficient, in-line production of complex documents, including double-sided tabs, perfect binding, and punching. Paper Logic and a media-based workflow take the guesswork out of media loading, so you can easily combine multiple media and inserts in one job without sacrificing productivity. You can also reduce shipment costs for your customers by reliably printing even thick manuals on lightweight media, thanks to a paper path with no stops or turns.

DIRECT MAIL PRINTING

Improve response rate by using varioPRINT 6000 TITAN Series presses to produce personalized, high-quality direct mail. Workflow flexibility, speed, and throughput that allow for cost-effective handling of short runs make it easy to produce targeted, relevant versions based on audience demographics.

Optimize output quality by relying on varioPRINT 6000 TITAN Series' best-in-class registration and Copy Press' offset-like prints. Increase business relevance with coupons—Gemini technology reliably prints on perforated stock. The options for creating impact are wide open.
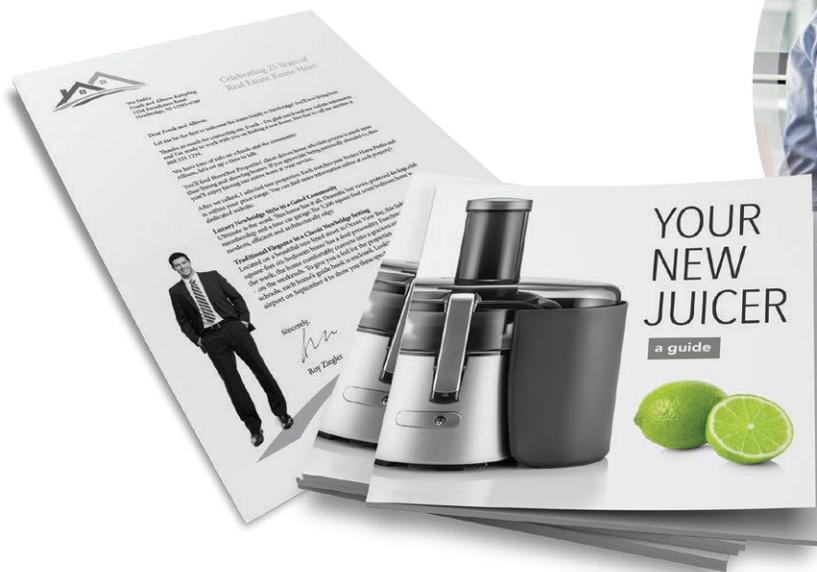
TEAMING WITH CANON

When you select the varioPRINT 6000 TITAN Series monochrome digital presses you're also choosing Canon. With over 80 years' experience in the design and development of innovative imaging technology, Canon seizes every opportunity to add to this experience, constantly improving its technologies to stay at the forefront of innovation.

Canon understands that each business and print room is unique, with its own needs. Combining one of the broadest portfolios in the industry—from digital cut-sheet, continuous-feed, and wide-format to inkjet, photo printers, and workflow solutions—with both expertise and award-winning support, Canon and its Authorized Dealers can bring new ideas and applications that can help you inspire your customers and improve the productivity of your business.

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SPECIFICATIONS

		varioPRINT 6330 TITAN/TP TITAN	varioPRINT 6270 TITAN/TP TITAN/ MICR TITAN	varioPRINT 6220 TITAN/TP TITAN/ MICR TITAN	varioPRINT 6180 TITAN/TP TITAN/ MICR TITAN
Print Speed (Duplex)	8.5" x 11"	Up to 320 ipm	Up to 266 ipm	Up to 216 ipm	Up to 177 ipm
	11" x 17"	Up to 167 ipm	Up to 143 ipm	Up to 116 ipm	Up to 95 ipm
Monthly Duty Cycle		Up to 10 Million	Up to 8 Million	Up to 5 Million	Up to 2.5 Million
Print Resolution	dpi	600 x 600 or 600 x 1200	600 x 600 or 600 x 1200	600 x 600 or 600 x 1200	600 x 600 or 600 x 1200
	lpi	85/106/125/141/180	85/106/125/141/180	85/106/125/141/180	85/106/125/141/180
Paper Capacity[14]	Standard	4,600	4,600	4,600	4,600
	Maximum[15]	24,000	24,000	24,000	24,000
Paper Size	Standard[16]	8" x 8" to 12.6" x 19.2"	8" x 8" to 12.6" x 19.2"	8" x 8" to 12.6" x 19.2"	8" x 8" to 12.6" x 19.2"
	With PIM Flex-A1	8" x 8" to 13.8" x 19.7"	8" x 8" to 13.8" x 19.7"	8" x 8" to 13.8" x 19.7"	8" x 8" to 13.8" x 19.7"
Paper Weight[17]	Plain	12 lb. Bond[18] to 110 lb. Cover	12 lb. Bond[18] to 110 lb. Cover	12 lb. Bond[18] to 110 lb. Cover	12 lb. Bond[18] to 110 lb. Cover
	Coated	20 lb. Bond to 90 lb. Cover (80 gsm to 250 gsm)	20 lb. Bond to 90 lb. Cover (80 gsm to 250 gsm)	20 lb. Bond to 90 lb. Cover (80 gsm to 250 gsm)	20 lb. Bond to 90 lb. Cover (80 gsm to 250 gsm)

OPTIONS

Feeding Options

- Paper Input Module Standard-B1
- Paper Input Module Optional-B1
- Paper Input Module Flex-A1
- Duo Paper Tray-C1
- Statement Size (7" x 10") for Paper Input Module-B1
- Form Assist Module II
- Tecnau DocuSheeter VP6000 System
- Light Weight Media Kit-A1

Finishing Options

- High Capacity Stacker 2.1 with Top Cover-B2
- High Capacity Stacker 2.1 with Set Finisher-B2
- PowerLift-A1
- iCMU-B1
- Media Enhancement Module
- DFS30-N
- SDD BLM6200 Booklet Maker
- SDD BLM6300 Booklet Maker

- Plockmatic BLM550+ Booklet Maker
- GBC PowerPunch
- BGB3202 Perfect Binder
- Videk DocuVison Edge (Simplex) System

Print Server

- PRISMAsync Print Server

[14] Capacity based on 20 lb. Bond.
[15] Maximum capacity is for Letter-sized sheets based on 3 PIM configuration, including Duo Tray option in trays 3 and 4.
[16] 7" x 10" option available.
[17] See Approved Media List for detailed media specifications.
[18] Requires optional Light Weight Media Kit.

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