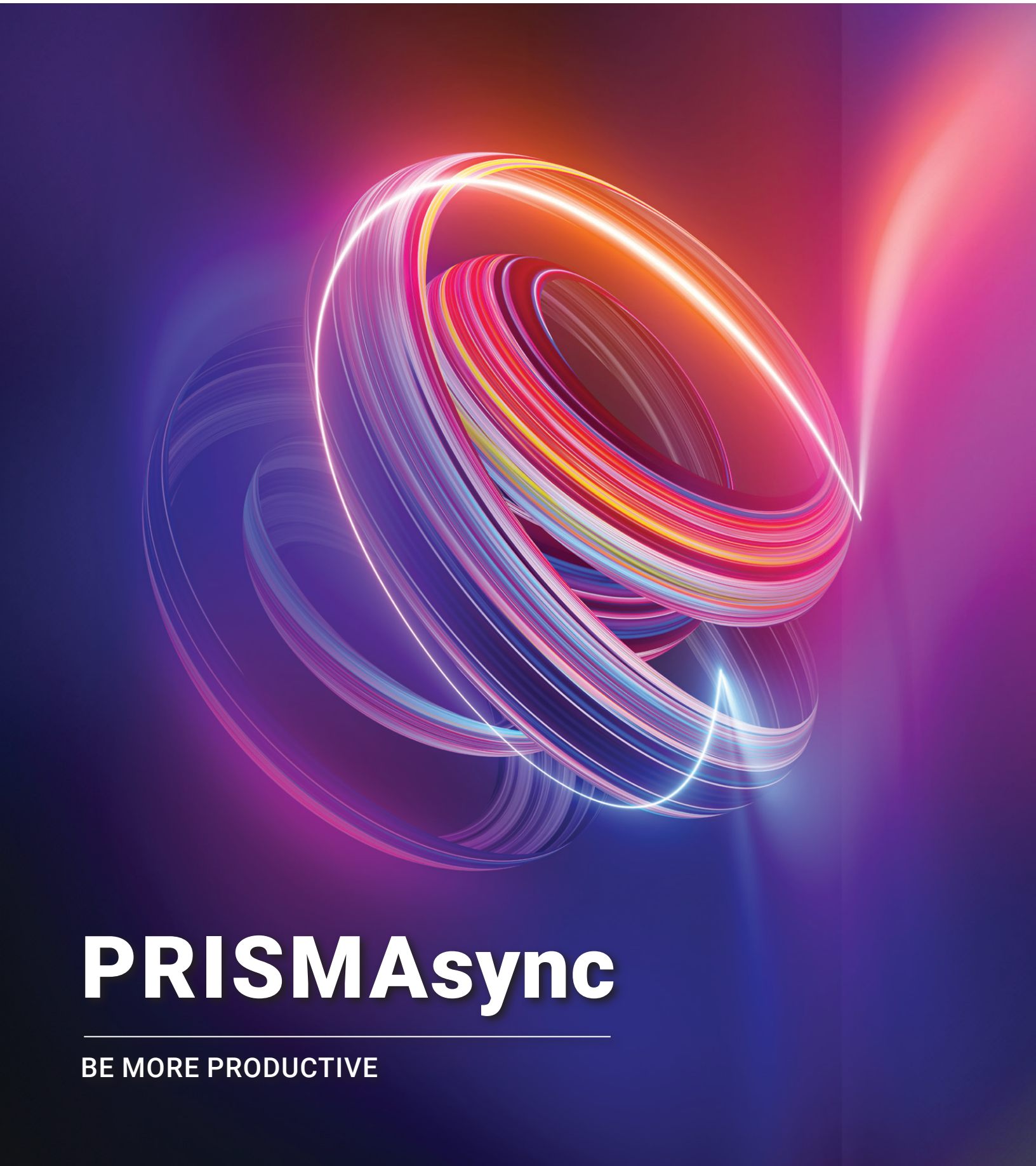
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PRISMA



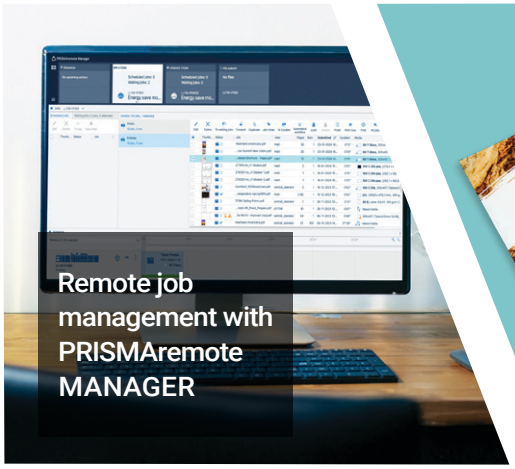
PRISMAsync

BE MORE PRODUCTIVE

PRISMA
sync

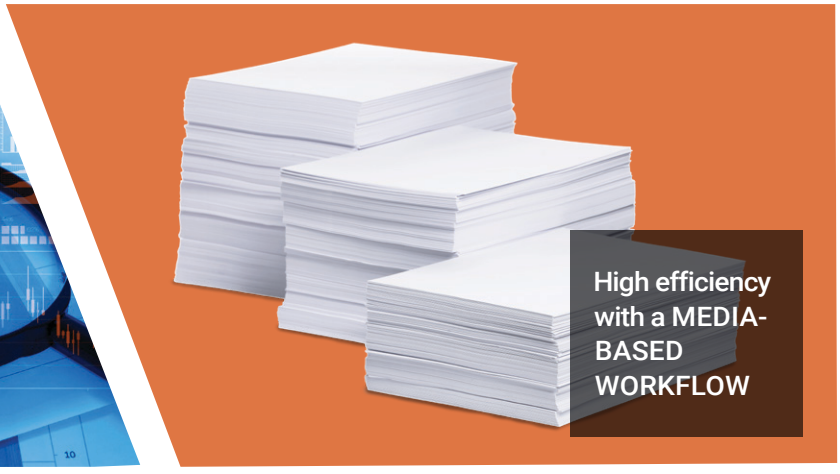












[1] For details on specific model support, see page 12.
[2] Requires an account in PRISMA Home.

TAKE CONTROL OF YOUR WORKFLOW

It's a familiar scenario in today's printing landscape: Flawless results are expected with impossible deadlines. Operators of varying skill must efficiently produce complex documents in both black-and-white and color, and all while trying to control rising costs and production bottlenecks.

The PRISMAsync family of print servers can help streamline production by making printing operations more intuitive and uniform. Operators can manage and run jobs through multiple presses with simplicity, which helps drive throughput. Countless aspects of those jobs, from composition to media to production to finishing, can be easily managed—even those inevitable last-minute changes.

PRISMAsync print servers can not only help boost production capacity, they can help lower cost and increase profitability. Employees feel supported and empowered to do their best. The PRISMAsync print server delivers the high-performance, deadline-driven printing that can help grow your business and drive future success.

- **High-Performance Print Server**
- **Optimized Color Controls**
- **Media-Based Workflow**
- **Remote Job Management**



Digital presses shown with optional accessories.

STREAMLINE YOUR WORKFLOW

A Flexible Approach

Whether your operation has multiple departments or just one person handling prepress through finishing, you need an efficient workflow process. PRISMAsync print servers deliver the flexibility to help optimize productivity and performance, whether you prefer a structured or ad hoc workflow.



Ad Hoc Workflow

The PRISMAsync print server offers flexible control, even if everything is done by the same person. Job parameters, impositioning, and color editing—even at the page level—can be made directly at the press console.

Structured Workflow

In an operation with separate prepress and print production departments, the PRISMAsync print server is the single point of control for your digital press, providing amazing support to your print operators. Key tasks are distributed to allow prepress staff to focus on job preparation and print operators to concentrate on output quality and productivity. With clearly delineated tasks, people can become highly skilled and efficient.

The configurable user interface feature enables system administrators to disable editing capabilities. They can also define the roles and access rights to PRISMAsync functionalities, to help match your operation's workflow.





OPERATOR SUPPORT

Plan Ahead

Stay in control of your daily workload with up to eight hours of plan-ahead production with Job Scheduler. This will intuitively display time to completion of jobs and upcoming interventions for media, toner, and staples from the local UI panel or from PRISMAremote Manager.

Manage Production Remotely

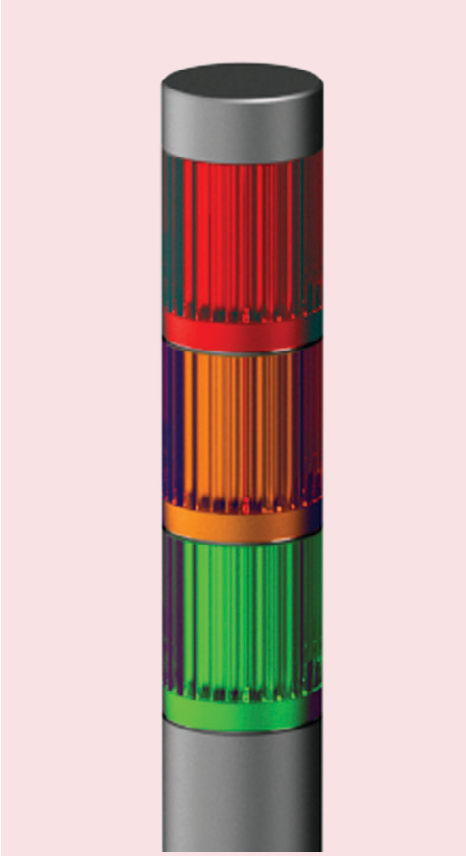
PRISMAremote Manager is a multipress scheduler and management console that provides control over your fleet of PRISMAsync-driven digital presses. This web-based tool helps keep your presses running, with work properly prioritized. Easily submit jobs, perform necessary prepress activities, and monitor your fleet—all from a remote workstation.[3]

Monitor Press Status

The Operator Attention Light[4] displays the press status from a distance in line with the Job Scheduler. It signals upcoming operator interventions, such as loading media, so that the appropriate actions can be taken to minimize a halt in production.

On the Go

With PRISMAremote Monitoring,[5] print shop managers are able to receive notifications for key tasks from the press to a compatible smartphone to help them react quickly when an event occurs while away from their fleet.



[3] The remote workstation must be connected to the same network as the digital press. An HTML5-compatible web browser with JavaScript and WebSocket support is required.

[4] For details on specific model support, see page 12.

[5] Setup and data transfer outside of your network and Google® or Microsoft® are required. For details, please contact your Canon Authorized Representative.

HELP IMPROVE EFFICIENCY



MEDIA DRIVEN WORKFLOW

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.

ADVANCED IMPOSITION[6]

When complex jobs arrive that require custom layouts, the Advanced Imposition license helps to make this process simple and efficient. Directly from the intuitive UI, an operator can set up custom multiple-up and booklet job layouts, set final trim sizes, set the page order, and even add trim marks—all while viewing the edits in real time.

POWERFUL VDP

PRISMAsync print servers provide powerful variable data printing support with record-based editing and management. They're also compatible with many industry-standard VDP workflows, including PDF/VT1 and PPML.[6]

[6] For details on specific model support, see page 12.

POWER UP YOUR BUSINESS





Protect Your Investments

PRISMAsync print servers offer a CIP4-compliant JDF/JMF[7] interface for JDF/JMF to enable smooth integration of PRISMAsync-driven presses with various web-to-print or prepress tools that communicate via JDF/JMF.

DPlink[8] and KDKlink[8] easily integrate PRISMAsync-driven Canon digital production presses into Xerox® FreeFlow® MakeReady and Kodak® Smartboard environments, without losing job ticket settings or media attributes.[9]

Data to Drive Your Business

To help reduce costs and optimize productivity, print site managers should know the performance metrics of their presses. PRISMAlytics Dashboard[10] can help enable fact-based decisions for workflow optimization based on actual press data. It can help site managers find ways to reduce turnaround time, waste, and costs, which can lead to better press usage and resource management.

- Usage Details: Provides relevant key performance indicators related to engine operation.
- Timeline: Helps pinpoint areas for improvement, which can be turned into actionable data.
- Trends: Benchmarks operation over time and against historical performance.

Perfecting Preparation

PRISMAprepare[8] document preparation solution helps accelerate make-ready from composition through production. PRISMAprepare is an easy-to-use, all-in-one document preparation solution that helps you optimize the composition, content, image, color, layout, media, and production make-ready aspects of every job. It helps streamline your prepress workflow, reduce the time needed to prepare documents, lower your production and labor costs, and minimize waste.

Now, tasks like creating booklets, impositioning, creating single- or double-sided tabs, color splitting, and composing documents for variable data printing (VDP) can be done easily and cost-effectively. And, since the software uses open standards, you have the ability to print to any digital press accepting PDF and Adobe® PostScript® files, protecting your previous investment.

[7] Certified by PIA. Professional Services required for customized solution. Please contact your Canon Authorized Representative for supported workflows.

[8] Optional software.

[9] Not all job ticket features are supported on all engine configurations; please check with your Canon Authorized Representative.

[10] Requires an account in PRISMA Home.

INTELLIGENT COLOR MANAGEMENT



Intuitive Controls

PRISMAsync print servers are equipped with an advanced, intelligent color management system powered by Adobe's industry-leading Color Management Module. This integration helps ensure that output is accurate and predictable, while also offering the flexibility to make precise, qualitative adjustments. It allows print providers to meet the exacting color demands of even the most discerning customers.

Standardize and Automate

The PRISMAsync print server incorporates an in-RIP G7 calibration method.[11] Without a need for third-party software or complex procedures, print professionals can quickly and easily calibrate and profile their PRISMAsync-driven imagePRESS color presses to achieve a near-neutral print condition.[12] With additional automation provided by the imagePRESS V Family Inline Spectrophotometers (ILS), profile creation can become even easier. The same ILS can be used to bring efficiency to verification of your customized profiles and color validation to numerous industry standards. This level of efficiency helps ensure your color is accurate, with minimal production interruptions.

Smart Color Control

Using powerful but intuitive color management capabilities, the PRISMAsync color controller gives you professional color output at every level, from color presets to advanced expert functionalities. In addition, intelligent media handling through your entire workflow ensures reliable output quality. Media with similar color behavior are grouped in media families, automatically linking them to the appropriate color output profiles, to help reduce mistakes and produce great quality.

Managing color can be a challenge, but the PRISMAsync print server incorporates a host of tools that helps to make these routine procedures be completed quickly and easily.[11]

- Automated Color Tasks
- Embedded profiler
- Idealliance G7 Grayscale Test
- Idealliance G7 Targeted Test
- Color Validations Tests
- Pixel Precise Preview
- Color Presets
- Spot Color Editing
- Color Mappings
- Realistic Preview
- APPE Trapping
- Digital Moiré Reduction
- Color Control Bars
- Information Bars

[11] For details on specific model support, see page 12.

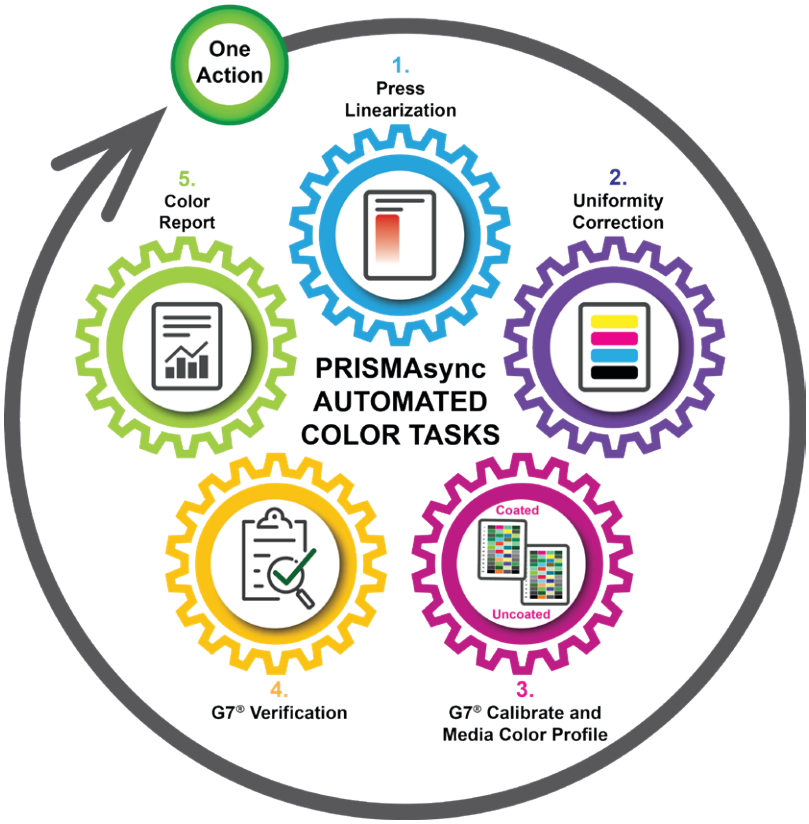
[12] For requirements regarding G7 conformation, please consult a Canon Authorized Representative.

POWERFUL COLOR CONTROLS

Precise Color Toolsets

Easily review and adjust print jobs before a run. The PRISMAsync print server offers flexible color correction capabilities, such as CMYK curve editing and Digital Moiré Reduction, with immediate visual feedback via Pixel Precise Preview. The PRISMAsync color library editor allows discrete control over spot colors—even at tint levels—in one-percent increments.





Optimized Color Automation

Not all files are created equal, and it isn't necessary for output to always achieve the same look and feel. For maximum efficiency, however, repetitive tasks should be standardized and automated as much as possible. PRISMAsync allows the definition of multiple Color Presets and Trapping Presets, each for a specific use. Presets are defined once and can be easily applied to any incoming job from prepress, automated workflows, or the print driver.

And with Automated Color Tasks, press operators can combine multiple color calibration processes and actions into one step, including press linearization, density uniformity, G7 calibration, media profiling, and verifying G7 conformance. This helps provide high accuracy while also reducing labor cycles and allowing operators to attend to other critical tasks.

HELP PROTECT YOUR PRESSES

Help Address Security Challenges

Canon provides multilayered security solutions that help protect devices, data, and document output. From guarding the device against unauthorized entities to help minimize the risk of cyberattacks to controlling access by each user, Canon actively incorporates features and functions that meet today's challenges.

Keep Software Integrity

PRISMAsync print servers can be equipped with the optional Integrity Checker,[13] which uses Trellix Embedded Control to manage, continuously track, and validate the applications that are running on the print server, thus helping to minimize risks.

User Authentication

The PRISMAsync print server provides two methods of password-based user authentication. These can help control who's given access to a press and the settings they're allowed to use.

- System administrators can control access to jobs, configuration settings, remote tools, and IT settings by creating groups or predefined roles.
- For environments where many users may need access to a digital press, the print server can connect to an LDAP server and users can just enter their network credentials.





PROTECT

White-listing application to help safeguard the integrity of the PRISMAsync software.[13]

DELETE

Dispose of electronic data and prevent unwanted recovery of confidential documents.[13]

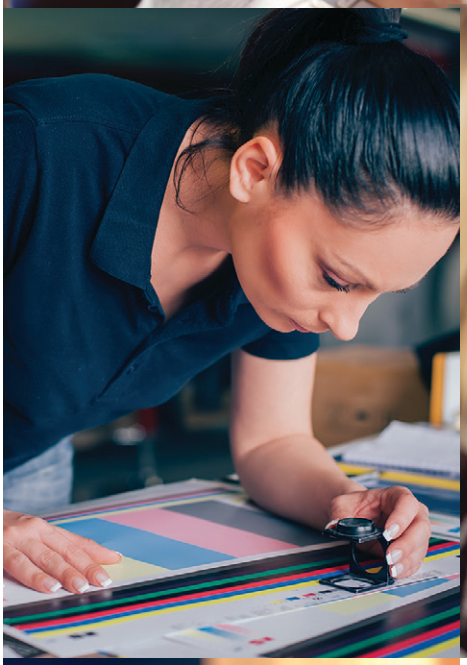
CONTROL

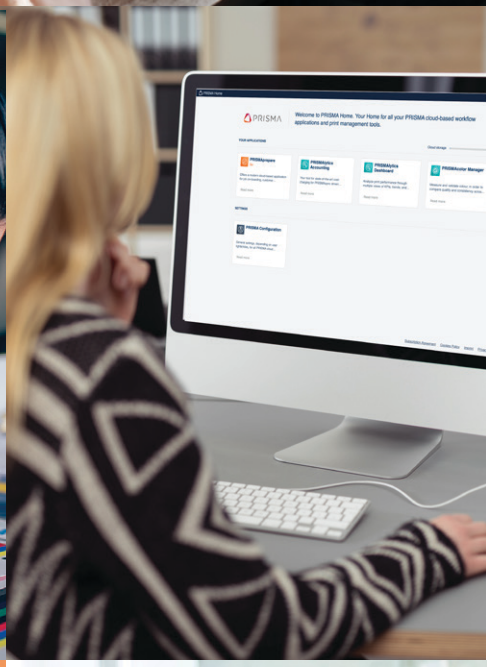
Limit and control access to devices and settings to authorized employees.[13]

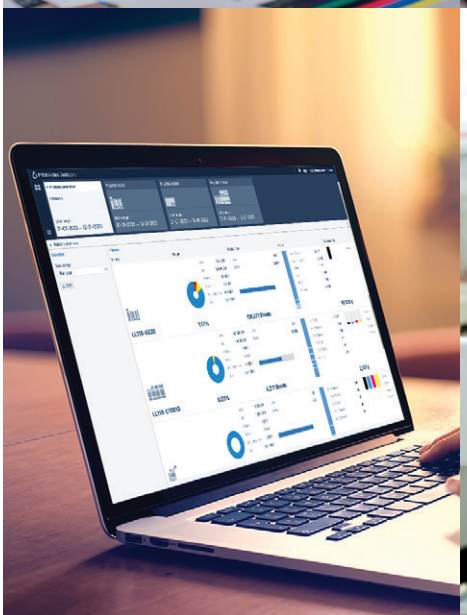
[13] For details on specific model support, see page 12.

A PEOPLE-CENTRIC DESIGN











Intuitive Operation

Tasks are made clear through a highly visual user interface, one with a common design throughout the entire suite of PRISMA workflow solutions. An intuitive interface for searching, sorting, and filtering of jobs means production environments can bring new efficiency to daily workloads.

A Consistent Experience

From one easy-to-use interface, operators can initiate simple jobs such as scan-to-file or more complex jobs such as mixed media. Whether performing tasks for color or monochrome PRISMAsync-driven presses, the experience is unified. Consistent operation helps to reduce mistakes and increase throughput.

Empowering Your Presses

PRISMAsync print servers efficiently and effectively drive Canon sheet-fed digital production presses, including these models:

- imagePRESS V900 II series
- imagePRESS V1000
- imagePRESS V1350
- varioPRINT 140 series QUARTZ
- varioPRINT 6000 series TITAN

SPECIFICATIONS

		imagePRESS V900 II series		imagePRESS V1000	imagePRESS V1350	varioPRINT 140 series QUARTZ	varioPRINT 6000 series TITAN
	PRISMAsync Generation	Mark 11	Mark 11 LP	Mark 11	Mark 11	Mark 10	Mark 10
Job/Press Management	**Scheduler** Plan ahead for upcoming operator intervention.	Standard	Standard	Standard	Standard	Standard	Standard
	PRISMAremote Manager Upload and monitor jobs remotely.	Standard	Standard	Standard	Standard	Standard	Standard
	Advanced Imposition Set up custom imposition layouts.	Optional	Optional	Optional	Standard	Optional	Optional
	DocBox Create folders for intuitive job storage.	Standard	Optional	Standard	Standard	Optional	Optional
	Page Programmer Perform page level job edits.	Standard	Optional	Standard	Standard	Optional[14]	Optional[14]
	Multiple Queues/Hot Folders Automatically assign tasks to routine jobs.	Standard	Standard	Standard	Standard	Optional	Standard
	PRISMAremote Monitoring Receive preventative notifications to a phone.	Standard	Standard	Standard	Standard	Standard	Standard
	PRISMAlytics Dashboard[15] Analyze press trends and performance.	Standard	Standard	Standard	Standard	Standard	Standard
	PRISMAprepare Document makeready and composition software.	Optional	Optional	Optional	Optional	Optional	Optional
	Operator Attention Light View the press status from a distance.	Standard	Optional	Standard	Standard	Optional	Standard
Image Quality	**Advanced Color Management** DeviceLink, Color Simulation, Embedded Profiler, Color Mappings, Color Bars, Info Bars	Standard	Optional	Standard	Standard	N/A	N/A
	Automated Color Tasks Combine routine color calibration processes into one task.	Standard	Standard	Standard	Standard	N/A	N/A
	Embedded Profiler Support for media calibration, color profiling, and profile verification.	Standard	Optional	Standard	Standard	N/A	N/A
	APPE Trapping Enables reduction in the visibility of a misregistration between colors.	Standard	Optional	Standard	Standard	N/A	N/A
	i1Pro3 Spectrophotometer	Standard	Optional	Standard	Standard	N/A	N/A
PDL	**PostScript 3**[16] **and PDF**[17]	Standard	Standard	Standard	Standard	Standard	Standard
	PCL 6	N/A	N/A	N/A	N/A	Standard	Standard
	IPDS	N/A	N/A	N/A	N/A	N/A	Optional
	Adobe PDF for IPDS	N/A	N/A	N/A	N/A	N/A	Optional
	Transactional PCL 6	N/A	N/A	N/A	N/A	N/A	Optional
	PDF/VT1	Standard	N/A	Standard	Standard	Standard[18]	Standard
	PPML 1.5, 2.1, 2.2	Standard	N/A	Standard	Standard	Optional	Optional
Security	**Integrity Checker** Enables ability to continuously track and validate changes to the PRISMAsync software.	Standard	Standard	Standard	Standard	Optional	Optional
	Removable Hard Disk	N/A	N/A	N/A	N/A	Optional	N/A

[14] Page Programming is included with the DocBox license.

[15] Requires an account in PRISMA Home.

[16] Adobe PostScript level 3: CPSI version 3020.

[17] PDF1.7, PDF/X (PDF/X means PDF/X-1a:2001, PDF/X-1a:2003, PDF/X-3:2002, PDF/X-3:2003, PDF/X-4).

[18] Optional for the varioPRINT 115 model.

Canon

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