WE ARE WORKFLOW

**Professional Workflow and Output Management System
PRISMAproduction**
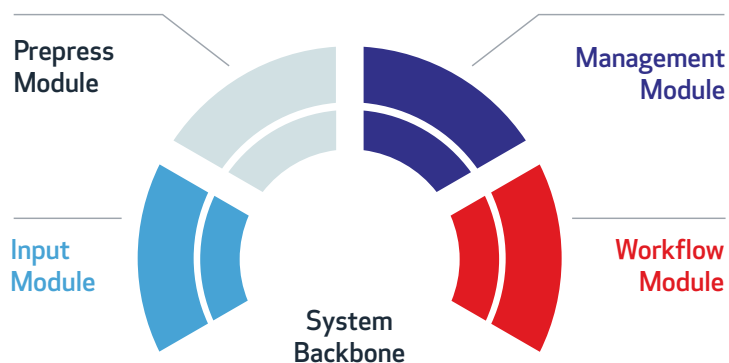
SMART CHANGE STARTS HERE.

PROFESSIONAL WORKFLOW AND OUTPUT MANAGEMENT SYSTEM
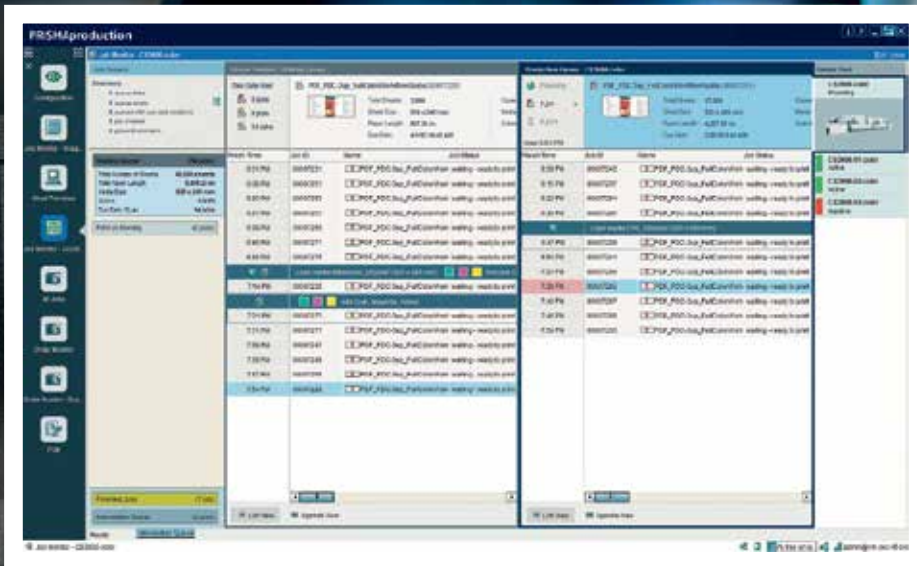
PRISMAproduction

Take control of your production.
Maximize flexibility.
Improve turnaround times.
Reduce production costs.

With increased pressure to reduce costs and turnaround times in print environments, efficient management of your entire production workflow has become indispensable. You need to accommodate the varying needs of your customers in a flexible and reliable way while optimizing the utilization of your multivendor equipment. A professional output and workflow management solution designed for the highest functional and automation requirements, for example PRISMAproduction, is essential.

PRISMAproduction is a highly productive, high-performance workflow and output management system for the commercial and corporate printing marketplace. It centralizes and accelerates your print management, giving you an extra competitive edge.

Prepress
Module

Management
Module

Input
Module

Workflow
Module

System
Backbone

WE ARE WORKFLOW

Easy-to-use and clear job management

PRISMAproduction: MODULAR, FLEXIBLE, AND SMART
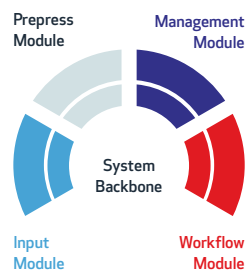

ERP

Mainframe

Office

Web2Print

Offset

MIS

Other workflows

Data stream & Job ticket
AFP
Line data
PDF
Postscript
PPML
TIFF
PCL
VIPP
PCL
LCDS
Metacode

Control Information JDF/JMF

PRISMAproduction

Prepress Module

Management Module

System Backbone

Input Module

Workflow Module

IPDS
Postscript
PDF
PCL
LCDS

Control Information JDF/JMF

ProStream
ImageStream
JetStream
ColorStream
VarioStream
varioPRINT
ImageRUNNER
ImagePRESS
Other printers

Other workflows
Post-processing

THE INDUSTRY-LEADING WORKFLOW AND OUTPUT MANAGEMENT SOLUTION

STREAMLINE YOUR WORKFLOW

PRISMAproduction – the core of your print operations

PRISMAproduction can be integrated into existing environments and processes to build the core of your print operations. The single high-performance platform meets the requirements of processing transactional, promotional, and mailing applications as well as brochures, books or newspapers—giving print professionals full flexibility to grow their service portfolio. For a transparent and central analysis of your print production, the centralized accounting capabilities of PRISMAproduction come into play. The system keeps track of all job-related information in a central database, features clear dashboards, and can generate both generic and customized accounting reports. Dedicated user interfaces, for example the Graphical Floor Plan, can be accessed via mobile devices to give you full overview of your operations and to help you detect problems even if you are not at your desk.

If you have to meet service level agreements and tight deadlines, it is essential to have a security net. This can be provided by the PRISMAproduction smart inter-connectivity option to mirror print jobs fully automatically in real time. In case of disaster, the jobs can be executed on a mirror server to ensure a high level of availability and timely delivery.

PROFESSIONAL WORKFLOW AND OUTPUT MANAGEMENT SYSTEM

Take control of your production

With applications becoming more complex, involving increasing demands for data security and a greater variety of preparations, you need to have a system which offers full control of every process in your workflow. With PRISMAproduction, control of your entire workflow is available through a single, high-performance environment for data input, prepress tasks, print management, and workflow design. PRISMAproduction is the ideal solution for retaining control and improving utilization.

Maximize flexibility

Given the rapidly changing demands of the markets, production printing facilities must become as flexible as possible. PRISMAproduction can help you meet this challenge. Thanks to its modular and scalable architecture, its individual options, and easy configuration, additional functionality and performance can be added step-by-step. PRISMAproduction covers today's demands and also prepares for the future.

Improve turnaround times

With each new job, the available "print window" becomes smaller, resulting in urgent demand for shorter turnaround times. With the ability of PRISMAproduction to automate every workflow step such as preflight, data conversion, data enrichment, page composing, or even processes beyond printing, you can accelerate your production management, better meet your deadlines, and grow your business.

Reduce production costs

In your effort to reduce costs, you may well be searching for a solution that:

- Eliminates your stock of pre-printed forms without expensive application changes.
- Increases the utilization of your post-processing equipment, even with very short run lengths.
- Provides an efficient way of running print production even with a wide variety of data types, including vendor proprietary formats.

If so, look no further. All these cost-critical questions, and many more, are addressed and resolved by Canon's core platform for high volume production printing—PRISMAproduction.

STREAMLINE YOUR WORKFLOW

PRISMAproduction – WORKFLOW AND OUTPUT MANAGEMENT SYSTEM

Handle any data type with the Input Module

The Input Module of PRISMAproduction features individual options to process data streams from pre-press workflows, MIS, mainframes, ERP, or many other environments. JDF/ JMF-based connectors enable the seamless integration of PRISMAproduction into offset workflows. The input processes can be fully automated for higher efficiency.
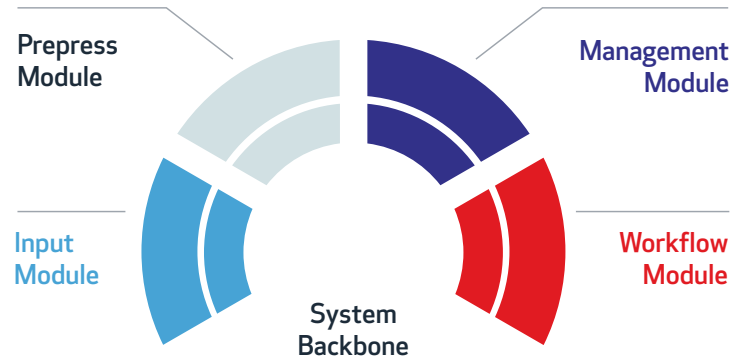
The smart batching capabilities automatically group incoming orders so that even runs down to a copy of one can be produced in a cost-effective manner while ensuring high productivity.

Native datastream support and a wide variety of converters allow print service providers, commercial printers, or corporate print centers to handle any incoming jobs: PDF, AFP, line data, PCL, Postscript, and PPML; even legacy and proprietary formats such as LCDS, RDO, or VIPP are supported. For PDF workflows, the intuitive Job Editor lets you define job tickets with just a few clicks.

Optimize files for high-performance production printing – with the Prepress Module

With the Prepress Module, print professionals can optimize files for best performance and best quality through fully automated and integrated functionality. Avoid unnecessary downtimes due to improper print data thanks to the industry-unique AFP pre-flighting and the fully integrated PDF pre-flight and make-ready option.

The Print File Enhancer permits last-minute changes to be applied to print files without having to go back to the original applications. Add barcodes, texts, or images with just a few mouse clicks. If you would like to eliminate pre-printed stocks, then take a closer look at the easy-to-implement pre-printed form replacement option for migrating to white paper and printing in full color without having to reprogram the original applications.

The Professional Document Composer lets you add a powerful and comprehensive solution for imposing and composing books, brochures, leaflets, and any other graphic arts applications.
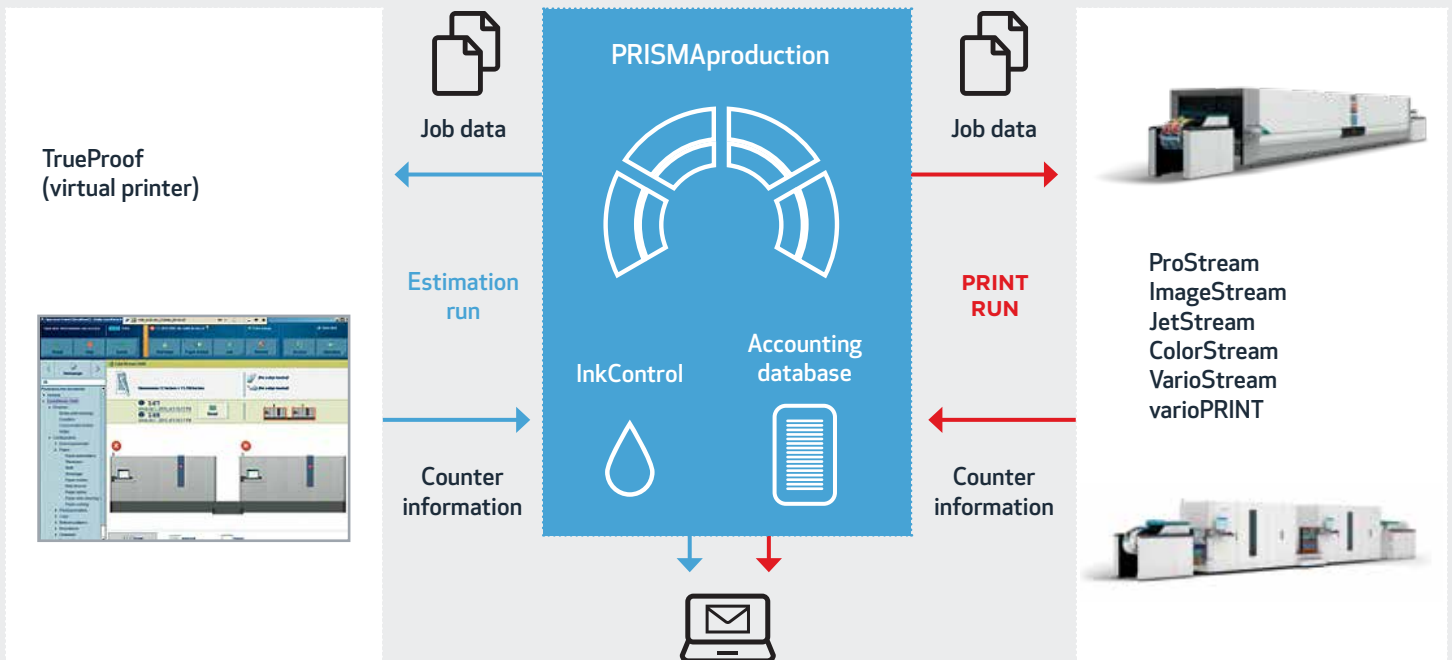
Drive all your production printers – with the Management Module

With the Management Module, print professionals can drive all their production devices from one single output management system with the highest level of security. It is designed to support Canon's high-performance production printers such as the ImageStream, ColorStream or JetStream, VarioStream and varioPRINT series, and it can also handle production printing systems from other vendors. Furthermore it has virtually no limit in output performance or number of connected printers. This ensures high productivity and permits service level management and monitoring.

Specifically developed to meet the requirements of the Graphic Arts market, the Job Monitor lets you easily manage a large variety of jobs with different color and media requirements. The intuitive user interface enables you to optimize job planning to meet delivery times.

INKCONTROL – INK USAGE ESTIMATION AND REPORTING

TrueProof (virtual printer)

Job data

Estimation run

Counter information

PRISMAproduction

InkControl

Accounting database

Job data

PRINT RUN

Counter information

ProStream
ImageStream
JetStream
ColorStream
VarioStream
varioPRINT

The Job Monitor provides information about necessary printer adjustments (e.g. load paper) required to process jobs in the planned order and the resulting predicted finish time. The sequence of jobs can easily be changed via drag-and-drop to optimize the production cycle, and express jobs can easily be managed.

Print professionals will also greatly benefit from the InkControl option, a powerful feature that permits job-specific ink consumption to be estimated and reported. InkControl works hand-in-hand with Canon inkjet device controllers to supply print service providers with precise and just-in-time reports on estimated and actual ink consumption, thus facilitating the quotation process and simplifying the analysis of ink usage overheads.

Maximize automation and efficiency – the Workflow Module

Automated processes are crucial for efficient and secure production. The Workflow Module offers a powerful graphical interface for the design of sophisticated production workflows based on business rules.

The module can utilize all PRISMAproduction options and also includes connectivity to third party software to manage tasks across the whole document output process. The Workflow Module enables automation to be maximized—from raw data input up to a ready-to-print or ready-to-deliver file. Fewer manual interventions save time and reduce errors, and automated job information exchange ensures the immediate availability of required parameters, structured workflows, and conditions that help to streamline the entire print operation.

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