Continuous Feed Inkjet Printer

RICOH
Pro VC60000

Pro VC60000

492 fpm full-color

Gain a competitive edge
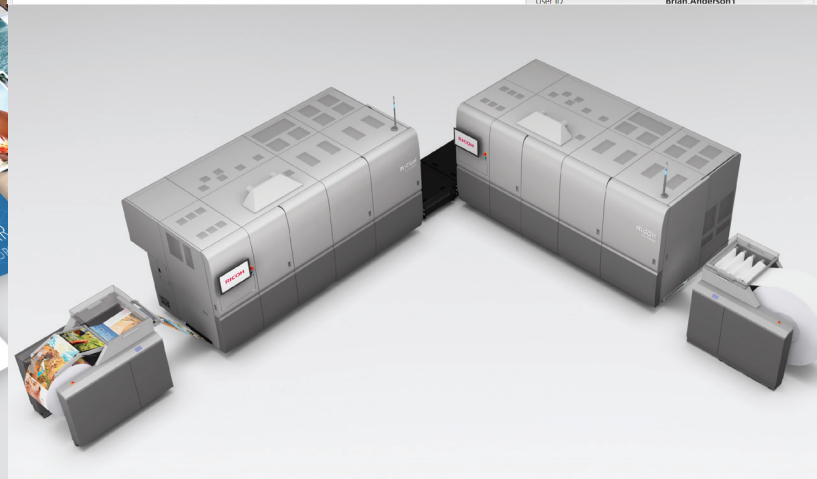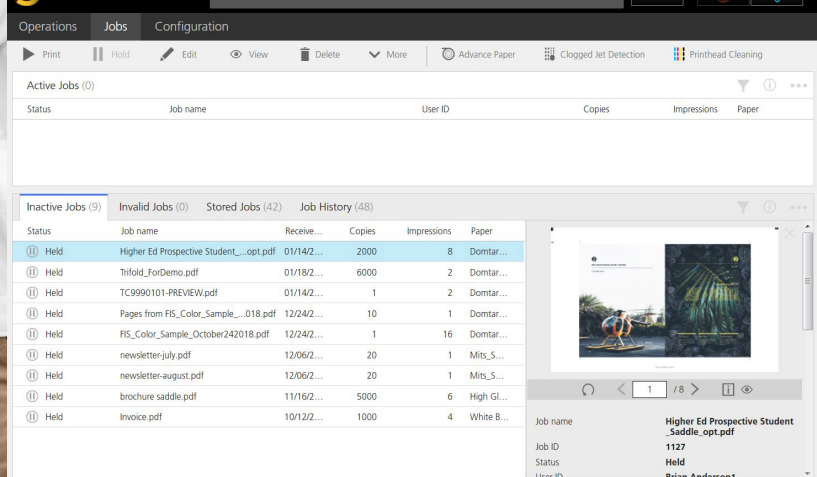## in the commercial print segment.

Not every print job is the same. Fortunately, neither is the RICOH Pro VC60000 continuous feed inkjet printer, a printing system that combines the power of data and print so you can add personalization and last-minute changes quickly, conveniently and with near-offset quality. Whether you're printing books, brochures, direct mail or other marketing collateral, you'll have the ability to customize every page, in any print job. It can also do things that your offset press can't, like replacing static images with variable data printing (VDP) jobs — helping you create more applications and revenue-generating opportunities.

The RICOH Pro VC60000 digital inkjet printing system is the result of decades of experience in the development and manufacturing of core inkjet technologies. It unites the quality of offset, the speed of continuous feed and the flexibility of digital technologies, giving you output you never thought possible.

- Ricoh's high-resolution drop-on-demand inkjet technology delivers only the exact amount of ink needed, achieving razor-sharp accuracy and smoother gradations on every page.

- Unique dynamic printhead positioning prevents plate misalignment, ensuring precise color registration throughout your entire run.

- Ricoh's high-density aqueous-based pigment inks, with options for our MICR and new Extended Gamut Inks, give you stunning print quality and excellent reliability.

- Support for traditional offset coated paper allows printing with no pretreatment or primer.

- Increased speeds of up to 492 feet per minute (150m/m) expedites high-performance productivity.

- A scalable, closed-loop web inspection system powered by artificial intelligence automates press make-ready and proactively improves settings, uptime and print quality for optimal output.

- Ability to print on paper weights up to 250 gsm and a constantly growing list of supported media helps you expand value-added print services and take on more jobs that were previously produced on offset.

- The intuitive HTML job management console enables managing your print operations from virtually any location.

Expand your print business into **new markets.**

Scalable and configurable

Configure the RICOH Pro VC60000 to fit your printing and finishing applications. You can add faster drying or protective coating units to safeguard output from scratching or running and further enhance production quality. Choose to install in an inline, L or simplex system configuration to accommodate other production shop equipment. Backed by Ricoh's extensive network of highly experienced digital inkjet support personnel, the RICOH Pro VC60000 enables customers to produce a whole new range of applications, reliably and efficiently, to position your business as a leader.

Make every job unique — and profitable

Ensure the right information is seen by the right people, right when they need it most. With the RICOH Pro VC60000, you can add dynamic personalized printing to every page and meet tight deadlines while adding value. Whether it's attaching critical billing messages to specific transactional documents, personalizing a direct mail piece or even custom-printing a booklet, you can deliver customized output to clients at incredibly fast speeds.

Execute jobs faster with ultimate control

The RICOH TotalFlow® Print Server R600A accepts a wide range of data streams — including PS, PDF, PDF/VT and AFP/IPDS. This allows you to complete even the most complex jobs, including variable addressing and variable images, with incredible speed and convenience. Customize the user interface with the features and options you need most. Shown as "Pods," they can be positioned anywhere on the display swiftly with drag-and-drop. Check status and errors with a single glance and make changes or schedule maintenance in only moments.

Production how you need it

Production runs vary wildly in size and scope. Produce direct mail, manuals, booklets and more using a wide range of paper stocks at 600 × 600 dpi with speeds up to 492 feet per minute (150 meters). For more demanding graphic applications, print at 1200 × 1200 dpi at speeds up to 164 feet-per-minute (50 meters). With long-lasting Piezo printheads and a generous 20 liters of ink per color, you'll have fewer interruptions. When you do need to replace a color, our on-the-fly ink replacement keeps the system up and running.

RICOH Pro VC60000

SYSTEM SPECIFICATIONS

Imaging Technology

Piezo Drop on Demand
Dynamic Variable Drop Size – @ 2 bits/drop
Stochastic Screening
Ricoh Print Heads – 10 print heads per color

Engine Technology

Color Inkjet	4 colors CMYK, MICR
Paper Path	Tight Web
Web Width	20.5" (520.7 mm)
	Printable Area – 20.5" (520.7 mm)
Paper Length	4" to 54" (101.6 to 1371.6 mm)
Machine Layout – Duplex	"L" or Inline Configuration

Engine Components

Base Unit*

Dimensions (WxDxH)	167.40" (4070 mm) x 79.72" (2025 mm) x 78.74" (2000 mm)
Weight	8531.9 lbs. (3870 kg)

*Based on one unit (two units per configuration)

Operating Environment

Temperature (recommended)	64.4 – 75.2° F (18 – 24° C)
Humidity (recommended)	40 – 60%

Productivity

Resolution/Print speed	600 x 600 dpi : 492 feet/min, or, 150 meters/min
	1200 x 600 dpi: 328 feet/min, or, 100 meters/min
	1200 x 1200 dpi: 164 feet/min, or, 50 meters/min

Inspection and Automation

Smart Start Feature
    Automates Print Head Cleaning and Press Make Ready
Record and Replay
    Images of last 30 minutes of print production
Printer Oriented Graphics
    Control for automated density verification, registration detection and jet out detection
2D Datamatrix Code Reading / Grading

    Optional Features

    OCR / MICR Verification and Grading
    1D / 2D Postal Code Verification and Grading
    User Oriented Graphics Control and Inspection
    Full Page Image Verification
    Label Verification
    Archiving Options

Media Support

Media Types	Plain, General Offset Coated* and Uncoated, IJ coated, IJ treated, Ground-Wood, Recycled
Paper Weight	40 gsm to 250 gsm

Supplies

Pro Ink Cartridge Black VC60000
Pro Ink Cartridge Cyan VC60000
Pro Ink Cartridge Magenta VC60000
Pro Ink Cartridge Yellow VC60000
Pro Ink MICR Cartridge VC60000

Finishing

Specification	3rd party finishing devices I/F specification: Type 1A/+
Finishing Solutions	Multiple partners provide a variety of unwind, rewind, cut, fold, dynamic perforation, vision systems and inline processing, including a solution for books

TotalFlow R600A Digital Front End

Architecture

Processor Architecture	Intel Xeon x64
OS	Linux

Physical Characteristics

Dimensions (WxDxH)	39.5" (1003 mm) x 24" (609 mm) x 49" (1245 mm)
Weight	716.5 lbs. (325 kg)

Data Stream Support

PostScript
PDF (APPE)
PDF/VT
IPDS

Job Submission

FTP
IPP
LPR
Raw Port
Operator Console
Virtual Printer/Hot Folder Support

Graphical User Interface

Display on each print engine
Login by Role: Admin, Operator, Maintenance or Customizable
Highly customizable user interface layout by role
Graphical Printer & Supplies Status
Operator Messages
Paper Catalog/Paper Setup

Job Management

Graphical Job Ticketing/Job Preview – Native JDF
    Banner
    Operator Comments
    Sides Printed
    Copies
    Rotate, Reduce/Enlarge, Image Alignment
    Special Marks
Job Imposition
Job Queue Management
    Submit
    Suspend
    Hold
    Process Next
    Delete Job
View Jobs
    Job Status
        Active
        Inactive
        Stored
        All Jobs
        Job History

Color Management

ICC Profile Support
Enhanced Color Management by Side and Object Type
Device Link Support
Spot color dictionaries (Pantone, Toyo, DIC, and HKS)
CMR Support (AFP/IPDS)

Software Support

Ricoh ProcessDirector for AIX, Linux or Windows
    Version 3.1 or later releases
TotalFlow BatchBuilder for Windows
    Version 1.1
InfoPrint manager for AIX, Linux, Windows
    Version 3.1 or later releases
Print Services Facility for AIX, Linux or Windows
    Version 3.1 or later releases

Note: For Linux SLES, or, Red Hat

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Adobe PDF

PDF/VT
PANTONE Digital Color
Adobe PostScript 3
Java POWERED

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