

Continuous Feed Inkjet Press

RICOH Pro VC40000

RICOH
imagine. change.



Speed, efficiency and high-quality output for transactional and direct mail markets.

Pro VC40000

738
fpm

Full-color & B&W



The expertise of Ricoh

Since 1973, our relentless pursuits of innovation has made us an invaluable partner for many businesses across the commercial printing industry. Our deep experience and network of architects, developers, engineers, consultants and project managers, allow us to assess, recommend and implement the most effective processes, workflows and support for your business.

With future-forward products and expert professional services, Ricoh helps you get the most out of your inkjet investment.

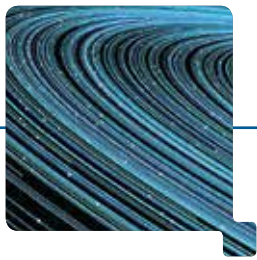
Drive growth with increased precision, greater power and enhanced speed

The RICOH Pro VC40000 continuous feed inkjet printer gives commercial and transactional printers the speed, flexibility and image quality needed to meet the demands of current customers and win new business. Print at speeds up to 738 feet per minute (225 meters per minute) and monthly volumes up to 55 million impressions to create a range of sought-after applications from direct mail to brochures to billing statements and more. Take advantage of a powerful digital front-end that simplifies workflows and offers enhanced color management tools — all backed by one of the largest production support organizations in the industry.

Proven high-volume inkjet printing technologies go to work for you



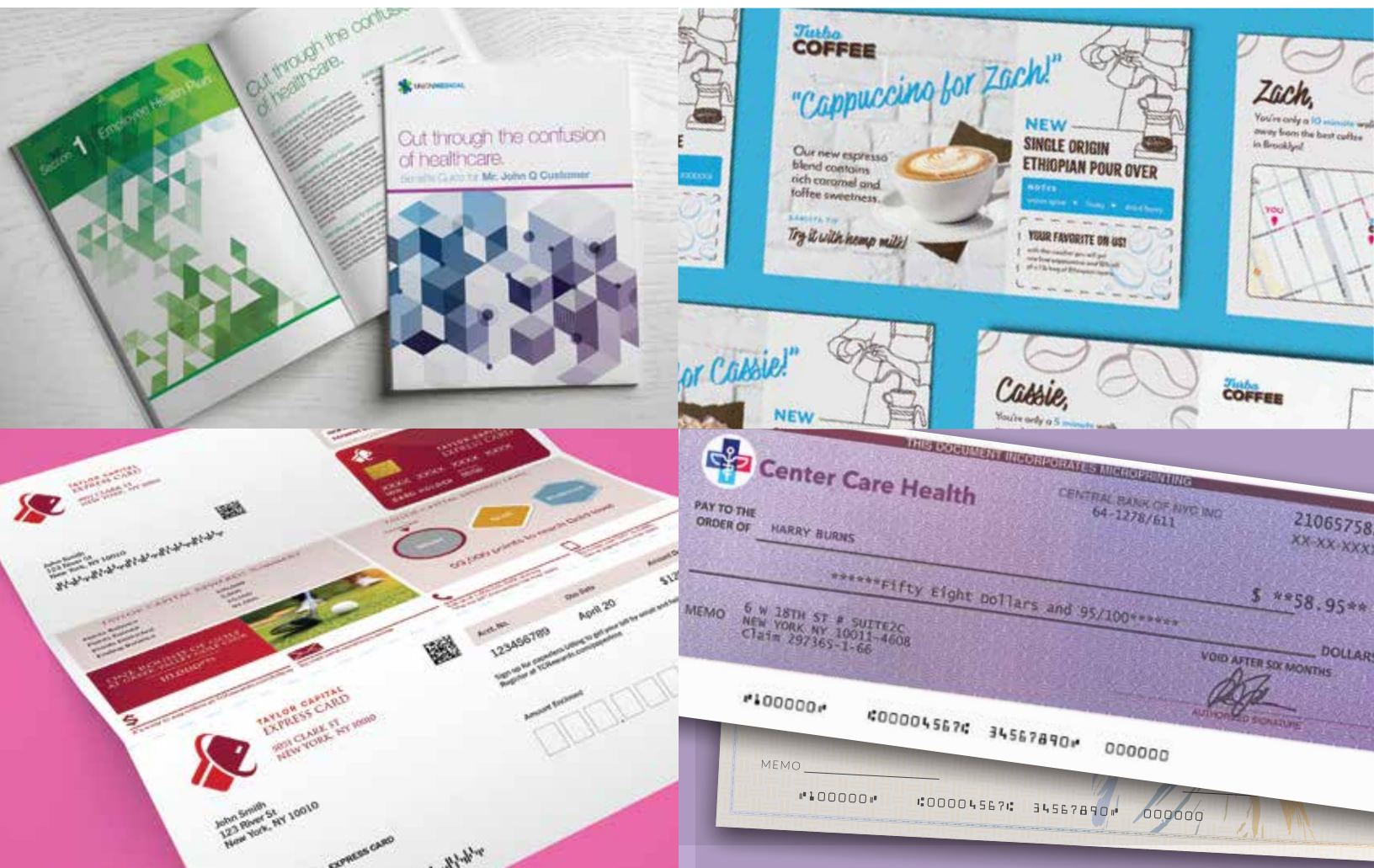
- A modern and scalable design remains ready for updates and enhancements to keep you technology-forward and protect your investment.
- Ricoh's Variable Drop Technology delivers only the exact amount of ink needed, resulting in accurate and consistent color.
- Support for printing on uncoated, inkjet-treated and inkjet-coated papers up to 600 dpi.
- A digital front-end powerful enough for the most complex variable data jobs.
- Advanced cleaning mechanisms and dropdown printheads for easy maintenance, optimal performance and system longevity.
- Furnishes a secure print environment to safeguard confidential data information for trusted transactional clients.
- Supports third-party finishing for a complete end-to-end printing solution.
- Inline cooling and a built-in auto-adjustment scanner deliver remarkable results.

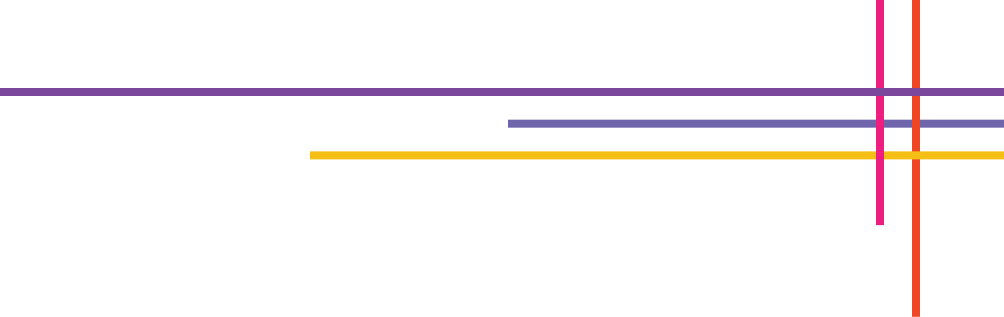


Media flexibility for high-value applications

The RICOH Pro VC40000 prints with impact, precision and clarity to help you stand apart from competitors – all while offering an impressive range of media support with weights from 40 to 250 gsm and sizes from 6.5" to 20.5" (165 to 520 mm) with a maximum repeatable printing area of 20.5" × 54".

This cost-effective combination gives you the ability to create a wide array of applications — including personalized communications, MICR applications, direct mail, booklets, statements and sales collateral — while built-in technology ensures optimal system performance.





Reliable performance delivers exceptional output

The RICOH Pro VC40000 drives the pace of your operations to new levels of productivity. Achieve fine lines, consistent color and crisp text throughout print runs with advanced color management tools. The robust control unit, ICC profiles, interface color settings and automatic color adjustments all contribute to effortless and consistent color quality. Further protecting image integrity is the internal drum dryer, with its low-temperature drying, minimizes paper distortion.

Proven printhead technology

The RICOH Pro VC40000's printheads have a long track record of proven performance, supporting both monochrome and full-color printing with drop-on-demand technology. An optional fifth printhead array may be engaged for fluid or security inks. The use of variable drop sizes results in higher perceived resolution, boosting the 600 × 600 dpi, while a tight web and advanced steering control enable precise registration.

Advanced digital front end simplifies complex production

The RICOH Pro VC40000's digital front-end (DFE) has been optimized to deliver advanced workflow management, making the production of dynamic, data-driven output even easier. The RICOH TotalFlow® Print Server R600A features a user-friendly interface, enabling operators to benefit from Ricoh's extensive experience in mission-critical variable data processing. Native support for common file types includes PS, PDF, PDF/VT and AFP/IPDS along with JDF and advanced color management.

Reassurance while maximizing your ROI

Ricoh's service and support organization includes more than 1,000 production-dedicated technicians and a nationwide parts distribution system that makes service and repair fast and reliable. The ability to quickly diagnose and resolve issues ensures that disruptions to your workflows are minimized and customer deadlines protected.

"We knew we wanted to deliver unmatched image quality, speed and throughput, but the platform's versatility is what blew us away. The Pro VC40000, combined with RICOH ProcessDirector, is just as incredible whether it's producing billing statements, policy documents or brochures." — John Pierce, IT Director, External Communications, Progressive.

Flexible and scalable to fit your precise needs

Configuration options, including compatibility with several workflow monitoring and management software tools, give you the best results possible.



1 Unwinder

Fully integrated unwinder allows support for roll widths up to 20.5".

2 Status Light Pole

Know the moment maintenance is required, even if you're away from the press.

3 Graphic User Interface

All-in-one dashboard lets you supervise print jobs, create parameters and easily save jobs to recall, reducing errors and powerful enough to RIP the most demand jobs.

4 Turn Bar Unit

Allowing for either I (Inline), L (Left-angle), or Dual Simplex configurations to fit any environment, the Turn Bar Unit easily rotates the paper in preparation for the second engine to print on the back side of the paper web.

5 High-Capacity Ink Delivery System°

Best-in-class color printheads equipped with dye or pigment-based inks remain static during monochrome printing and deploy for full color (with an optional MICR printhead).

6 Steering Mechanism°

The tight web and advanced steering control enable precise registration alignment within pages and front-to-back.

7 CIS (Contact Image Sensor) Scanner°

Built-in high resolution scanner for automatic printhead adjustment, ensuring alignment and uniformity.

8 Drying Technology°

Powerful energy-efficient drying technologies make exceptional quality possible on an array of stocks and applications.



9 Heat Ducts°

Internal tubes conduct heat away from the engine drum to maximize print quality.

10 Chill Rollers

Before entering the second engine, Chill Rollers cool each sheet to minimize print quality issues.

11 Barcode Camera°

Ensure data integrity and registration between pages 1 and 2.

12 Rewinder

Fully integrated rewinder allows support for roll widths up to 20.5."

Your inkjet experience will be smooth right from the start, with a partnership that begins on day one.

Onboarding and implementation determine how quickly and how well you go to market. Our Core Inkjet Services Team follows a step-by-step process to ensure a successful rollout. Led by a dedicated project manager, they will design and validate your workflow, educate you on paper profiling and confirm your files are running properly. Post implementation, tap into the RICOH Partner Team for additional training, app development, hardware maintenance, color adjustment and more.

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SYSTEM SPECIFICATIONS

Engine Technology

Print System	Drop on demand (DOD), piezoelectric
Color	4-color (CMYK), 2 bits per spot, dynamic variable drop size at every point on the page, stochastic screening, Optional K-Only Monochrome Configuration
Resolution/Speed	600 x 600 dpi @ 394 ft/min (120 m/min) 600 x 450 dpi @ 492 ft/min (150m/min), 600 x 400 dpi @ 590 ft/min (180m/min), 600 x 300 dpi @ 738 ft/min (225m/min), 600 x 600 dpi Monochrome Only @ 590 ft/min (180m/min)
Print Width	5.9 – 20.5 inches (150 – 520 mm)
Page Length	4 – 54 inches (101.6 – 1,371 mm))
Paper Width	6.5 – 20.5 inches (165 – 520 mm)
Paper Weight	40 – 250 gsm*

*Over 157 gsm, maximum print speed is 328 ft./min (100 m/min)

Paper Types	Uncoated, inkjet-treated, inkjet-coated, pinless and pin-fed
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Engine Components

Base Unit*	
Dimensions (WxDxH)	127.6" (3240 mm) x 73.6" (1870 mm) x 77.6" (1971 mm)
Weight	6063 lbs. (2750 kg)

Power Requirements

Connection*	Low Voltage: 208 – 240V 102A per engine High Voltage: 380 – 415V, 69A per engine
Power Consumption	Idle: 16kWh, 51kBTU/hr Printing: 63kWh, 216kBTU/hr

*Typical printing conditions for 20-24lb bond paper at 394 ft/min, dryer temperature 60° C

Operating Range

Temperature	Recommended: 64.4° F – 75.2° F (18 – 24° C)
Humidity	Recommended: 40 – 60%
Noise	85dB
Dryer	Single-drum dryer per engine
Dryer Temperature	Range: Up to 194° F (90° C) Ventilation: Optional
Ink	Dye and pigment ink, 2 18L cartridges for each color. Replace on the fly

Controller	TotalFlow R600A Digital Front End
Data Stream Support	Postscript Level 3, PDF 1.7, PDF/VT, IPDS (IS3)
Connectivity	Gigabit Ethernet

Software Support

Ricoh ProcessDirector™ for Linux or Windows	Version 3.11 or later releases
RICOH Production Analytics	
RICOH Supervisor™	
RICOH TotalFlow™ Producer	
RICOH Auto Color Adjuster	
RICOH InfoPrint Manager™ for AIX, Linux, or Windows	Version 4.12 or later releases

Note: For Linux SLES or RHEL

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

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)	

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



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