

Continuous Feed Inkjet Printer

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RICOH Pro™ VC40000



A production platform to build your business on

Emerging requirements in the transactional and direct mail market segments include higher colour quality and faster turnaround times. Additionally, print buyers increasingly request print on demand (POD), short runs and personalisation or customisation. The Ricoh Pro VC40000 addresses these requirements for service bureaus, in-plant printers and commercial printers. Positioned between the Ricoh IP5000 and the Ricoh Pro™ VC60000 continuous feed inkjet printers, the Pro VC40000 offers a growth opportunity either as an upgrade from the IP5000 or as a new system.

With the Pro VC40000 in your operation, you can remain cost competitive while you:

- Build a foundation for growth that enables you to attract new customers while strengthening current relationships.
- Improve productivity and throughput so you can meet tight turnaround times as well as take on more jobs.
- Deliver the consistent high quality that helps your customers achieve their objectives.
- Maintain market relevance with technology upgrades and product enhancements.
- Partner with a vendor whose consultative approach assures you that you are making the right investment to enable your success.

Speed, quality and reliability

- **Tight web** keeps the paper under tension throughout the printing process to facilitate the colour to colour and side to side registration.
- **Chiller turn bar** with seven cooling rollers between print engines to cool the sheet before entering the second engine to minimise print quality issues.
- **L or inline** system configurations.
- **Full colour or mono printing** with 4/4, 4/1 or 1/1, with CMY head parking.
- **Maximum print productivity** on uncoated, IJ treated and IJ coated papers at 600 dpi.
- **Halogen lamp heated dryer systems.**
- **TotalFlow print Server R600A** comes standard with 8 blades; configurable to 14 blades.
- **Four print heads** assembled into five inch print head modules to prevent banding and ensure printing stability.
- **Aqueous based inks** fed from 18 L cartridges.



Capitalise on new revenue opportunities while you contain costs

Deliver consistent high quality results

Print quality is key to producing vivid, compelling materials that capture attention and engage readers. The Pro VC40000 offers a unique combination of technologies, including the latest inks, that provide consistent high quality and great uniformity. Print head technology has evolved to support improved print quality with 600 dpi resolution and dynamic variable drop size. A tight web and advanced precise registration within pages and front to back. The internal drum, low-temperature dryer minimises paper distortion, thereby reducing a common quality concern.



Simplify colour management

The Pro VC40000 produces the colour results your customers require every time, even across multiple devices. We will provide the necessary tools to allow you to create your own profiles and help you understand how to get the most from the system. This can include bespoke colour profiles for different papers and even for different customers so that you can produce the optimum result every time. Our colour management experts can assist with colour matching, colour calibration, conformance to colour standards, staff training and more.



Operate confidently with reliable performance

The Pro VC40000 is part of a continuous feed inkjet family that has demonstrated exceptional dependability in the most demanding production print environments for years. Reliability is built into the platforms in several ways, including a rugged design; best-in-class engines; and proven print head technology. The life of the colour print heads is extended because they remain stationary during monochrome printing – an approach that also reduces ink consumption. Additionally, compared to competitive systems, the print heads require fewer and shorter operator interventions for tasks such as cleaning.



Ricoh Pro VC40000

System specifications

Print System	Drop on demand (DOD) one-path print system: 32-inkjet head module (each colour is 8 print head modules)
Colour	4-colour (CMYK), 4 drop sizes
Resolution	Up to 600 x 600 dpi
Printing Speed	Up to 120 m/min
Printing Width	150 to 520 mm
Page Length	4" to 54"
Paper Width	165 to 520 mm
Paper Weight	40 to 250 gsm*
Paper Type	Uncoated, Ink Jet Treated, Ink Jet Coated
Dryer Temperature	25° C (idle) to 90° C (printing)
Engine	Dimensions: 3,240 x 1,870 x 1,971 mm
Control Unit	Dimensions: 620 x 1003 x 1245 mm
Chiller Roller Unit	Dimensions: 860 x 1070 x 300 mm
Chiller Unit	Dimensions: 470 x 1180 x 1290 mm
Operating Environment	Temperature: Temperature: 18° C to 24° C Humidity: 40 to 60%
Ink Cartridge Station	Dimensions: 850 x 1350 x 1200 mm
Productivity	120 m/min.: 1,616 ipm A4 lpm = 2-up duplex impressions/min.
Operating Range (Temperature)	Recommended: 18–24° C
Operating Range (Humidity)	Recommended: 40–60%
Dryer	Single-drum dryer per engine Air intake and exhaust
Dryer Temperature	Range: 0° C up to 90° C (maximum) Default: 25° C (idle), 80° C (printing)
Ink Cartridge	2 x 18L cartridges for each colour Total eight cartridges One ink cartridge system supports both engines in a duplex configuration

*Some conditions apply

TotalFlow R600A Digital Front End

Architecture

Processor Architecture . . . Intel Xeon x64
OS Linux

Data Stream Support

PostScript
PDF (APPE)
PDF/AVT
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 Customisable
Highly customisable 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

Colour Management

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

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

Partner with a vendor whose consultative approach assures you that you are making the right investment

As you evaluate a new continuous feed inkjet system, you want to be sure you're making a good choice that allows you to migrate work as quickly and easily as possible. That's why we created a seven-step process to understand your current business and print applications, as well as your future business requirements. The process includes checks and balances that help us identify the considerations that might affect your purchase decision. This rigorous approach carries over to planning your implementation so you feel confident about your investment. After installation, we follow up regularly to confirm that we and our products continue to meet your expectations, and we provide insights and guidance based on our experience with hundreds of customers and industry-specific applications.

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About Ricoh

Ricoh is a global digital technology specialist with 30 years of developing, innovating and manufacturing office image equipment, production print solutions, document management systems and IT services. It is known for the quality of its technology, the exceptional standard of its customer service and sustainable initiatives that help businesses be more productive and profitable.

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