RICOH
imagine. change.

High Speed Continuous Feed
Inkjet Printing System

RICOH Pro™ VC80000

☑ Printer

RICOH Pro
VC80000

150 m/min. Full Colour

Welcome to the future of high speed inkjet printing.

Imagine a future where artificial intelligence and process automation enhance productivity and ensure premium quality from the first print to the last. With Ricoh's new high speed inkjet platform, you can enjoy the benefits of automated production, dynamic quality control, and advanced production floor integration.

Supported by intelligent self-learning tools, the RICOH Pro VC80000 delivers impeccable results with minimal intervention. And despite its compact size — the duplex engine measures less than nine metres — its state of the art, liquid cooled print heads deliver flawless 1200 dpi output at speeds of up to 150 metres per minute.

Meticulously crafted to meet the evolving needs of the commercial print industry, the RICOH Pro VC80000 seamlessly automates your production workflow. Reducing your dependency on individual skill sets and subjective interpretation, the RICOH Pro VC80000 sets new standards for quality and productivity.

Finally, an alternative to offset printing that effortlessly combines the advantages of digital printing with the affordability, image quality, and speed you've come to expect.

The NEW RICOH Pro VC80000.

Drive productivity and quality through automation.

- Optimise production of direct mail, commercial print, books, and publications.
- Deliver flawless 1200 dpi output at speeds of up to 150 metres per minute.
- Boost productivity by executing makeready tasks before your workday begins.
- Enhance satisfaction and reduce waste by dynamically addressing quality issues.
- Increase efficiency with seamless integration of third party systems.
- Release valuable floorspace and reduce operational expenditure.

Expand your digital portfolio.

With the new RICOH Pro VC80000, you can produce high value, personalised, and data-driven applications effortlessly — from direct mail and commercial print to books and publications — using a wide range of coated and uncoated media. Surpass client expectations with our photo-realistic colours and pin sharp 1200 dpi resolution without the need for post-coating. With 300 gsm paper support and a 584 mm web, you can embrace new media and new applications.

- Effortlessly generate personalised, high value print output.
- Great results across a wide range of coated and uncoated media.
- Print anything from 40 gsm inserts to 300 gsm postcards.
- 584 mm web for efficient production of books and publications.
- Optional Undercoater is designed to enhance quality on offset stock.

Meet and exceed your clients' expectations.

Excite your clients with vibrant output.

Our wide gamut inks boast a superior pigment to water ratio, enhancing adhesion and expanding the colour spectrum. The 'next gen' print heads vary drop sizes at pixel level for smooth halftones and optimised ink usage. Liquid cooling maintains stable image quality in extended print runs. Teamed with anti-cockling and advanced drying technologies, the Ricoh Pro VC80000 enables you to produce outstanding high coverage jobs, even on lighter stocks.

- High capacity, wide gamut inks optimise quality and reduce costs.
- Liquid cooled 'next gen' print heads ensure image stability.
- Addressable nozzle architecture enables real time jet out compensation.
- Variable Piezo Drop on Demand technology enhances fine details.
- Integrated anti-cockling technology prevents media wrinkling.

Automate time-consuming processes.

Designed to address the changing needs of the print industry, the RICOH Pro VC80000 seamlessly automates labour intensive production processes. Transforming production efficiency, the Smart Start feature executes time-consuming press calibration and makeready tasks before the working day begins. Settings for all media types are dynamically applied. And to optimise resources, head cleaning and quality control can be scheduled to run unattended.

- Seamlessly automate time-consuming pre-production processes.
- Intelligently deploy resources and reduce unproductive downtime.
- Execute makeready tasks in advance of the working day.
- Switch seamlessly from one job to the next.
- Automate unattended head cleaning and quality control.

Simplify complex workflows and reporting needs.

Increase throughput and capacity.

Running at speeds of up to 150 metres per minute, and with the drying power to match, the RICOH Pro VC80000 significantly increases production capacity. Our revolutionary 'firefly' dryers — small, individually heated rollers that rapidly disperse and recover heat — accelerate the drying process, delivering an impressive throughput speed on coated media. Ramping up as media and finishing systems come online, the press dynamically optimises production processes.

- Reduce production turnaround times and increase capacity.
- Ricoh's revolutionary 'firefly' technology accelerates drying.
- Astonishing 50% increase in throughput speed of coated media.
- Up to 150 metres per minute throughput on coated media.
- Prints even as the press comes up to speed.

Release space and minimise operational costs.

Not content with setting new, highly automated standards for quality and productivity, the RICOH Pro VC80000 minimises operational costs by releasing floor space and reducing energy consumption. Measuring less than nine metres from end to end, the duplex engine is 50% smaller than some comparable models and boasts exceptional energy efficiency. Connect with our business experts today to explore how the RICOH Pro VC80000 can energise and optimise your business.

- Impeccable 1200 dpi digital output elevates quality.
- Unparalleled 150 m/min. throughput speed increases capacity.
- Automated production processes reduce manual workload.
- Compact footprint releases valuable floor space.
- Low energy consumption reduces operating costs.

Effortlessly manage production workflows.

With our future ready tools managing your production workflows, you are free to focus on your clients' requirements. The RICOH TotalFlow® Print Server R900A DFE simplifies print management. It supports a variety of native data streams and powers effortlessly through complex jobs, such as variable imaging. RICOH Supervisor™ interprets operational data to provide organisation-wide visibility. And RICOH ProcessDirector™ connects seamlessly with other systems to manage the wider workflow.

- Streamline production workflows with our future ready tools.
- Tackle complex jobs, including variable addressing and imaging.
- Automate checks and proactively schedule service support.
- Gain invaluable insights into device utilisation.
- Inform and optimise your operation processes.

Enhance quality and eliminate waste.

The RICOH Pro VC80000 actively monitors quality, dynamically adjusting colours and registration for flawless output. Inline spectrophotometric analysis ensures consistent colour reproduction, and the RICOH Pro Automation Suite streamlines production by adjusting front-to-back registration and providing real time jet out compensation. The RICOH Pro VC80000 press learns as it goes, using analysis from the AI-powered closed-loop web inspection system to drive continual improvement.

- Reduce your reliance on manual checks and processes.
- Ensure that every print is of consistently high quality.
- Inline spectrophotometer dynamically adjusts colour balance.
- RICOH Pro Automation Suite adjusts front-to-back registration.
- Real time jet out compensation ensures optimum quality is maintained.

Fly higher with the RICOH Pro VC80000

RICOH Pro VC80000

SYSTEM SPECIFICATIONS

RICOH Pro VC80000 Digital Press

Imaging Technology

Printing Method:	Piezo Drop on Demand inkjet technology
Print Heads:	VC80000 'Next Gen' liquid cooled print heads 11 dual print heads per colour
Process:	4 colours (CMYK)
Paper Path:	Tight Web
Web Width:	406 mm to 584 mm
Non Printing Area:	6.35 mm from edges
Machine Layout:	Duplex inline

Productivity

1200 x 600 dpi:	150 metres per minute (4 colours)
1200 x 1200 dpi:	93 metres per minute (4 colours)

Media Support

Media Types:	Offset Coated, Offset Uncoated, Inkjet Treated
Media Weights:	40 gsm to 250 gsm (standard) 40 gsm to 300 gsm (with RICOH Pro Heavy Paper Option Type V10)

Inspection and Automation

RICOH Pro Scanner Gen II (standard)	Inline spectrophotometer and Smart Start feature
Premium PQ Upgrade (option)	Tight colour registration and premium print quality stability
Automation Suite (option)	Automated front-to-back registration and print quality correction

Options

Heavy Media Kit
Premium PQ Upgrade
Automation Suite
Undercoater
RICOH Unwinder/Rewinder

Finishing

Multiple partners provide a variety of unwind, rewind, cut, fold, dynamic perforation, vision systems and inline processing, including a solution for books.

Weight and Dimensions

Base Unit:	3,500 x 2,300 x 2,550 mm (W×D×H) / 6,500 kg
Unwinder:	1,300 x 1,670 x 1,105 mm (W×D×H) / 810 kg
Rewinder:	1,300 x 1,677 x 1,105 mm (W×D×H) / 1,030 kg
Undercoater:	800 x 1,650 x 1,950 mm (W×D×H) / 650 kg

Operating Environment

Temperature / Humidity:	18 – 24° C / 40 – 60%

Supplies

RICOH Pro VC80000 Ink Container Black Type J
RICOH Pro VC80000 Ink Container Cyan Type J
RICOH Pro VC80000 Ink Container Magenta Type J
RICOH Pro VC80000 Ink Container Yellow Type J
RICOH Pro VC80000 Undercoat Container Type J
Cleaning Fluid Type V1
Waste Fluid Bottle for Undercoat Type V1

RICOH TotalFlow R900A Digital Front End

Architecture

Processor Architecture:	Intel Xeon x64
Operating System:	Linux
Weight and Dimensions:	609 x 1,003 x 1,245 mm (W×D×H) / 295 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

Graphical User Interface

Display on each print engine
Login by role
(Admin, Operator, Service or Custom)
Graphical Printer & Supplies Status
Operator Messages
Substrate Catalogue/Substrate Setup

Job Management

Graphical Job Ticketing
Job Preview
Job Imposition
Job Queue Management
View Jobs

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/IPDS)

Software Support

RICOH ProcessDirector™ for Linux or Windows
Version 3.12 or later
RICOH TotalFlow® BatchBuilder for Windows
Version 2.4 or later
RICOH Supervisor™
RICOH InfoPrint Manager for AIX, Linux, Windows
Version 4.12 or later

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