RICOH
imagine. change.

Continuous Feed Inkjet Printer

RICOH Pro™ VC40000

☑ Printer

RICOH Pro VC40000

225 m/min.

Full colour
Black & white

Create new value for your business.

With clients seeking elevated quality and demanding ever faster turnaround times, your success hinges upon your ability to deliver personalised print communication at speed.

Redefining standards in the transactional and direct mail space, the RICOH Pro VC40000 delivers compelling colour and black & white output at speeds of up to 225 metres per minute.

- Produce personalised print communication cost effectively.
- Elevate productivity by printing at speeds of up to 225 m/min.
- Explore new applications with a choice of dye and pigment inks.
- Enhance agility by utilising uncoated offset and inkjet media.
- Optimise capacity by running dedicated CMYK and K-only lines.
- Save ink by parking colour printheads when printing in B&W.
- Powerful RICOH TotalFlow® Print Server drives print process.
- Native IPDS™ maximises efficiency in AFP™ environments.

Versatile production platform.

Optimised for high speed transactional and direct mail applications, the RICOH Pro VC40000 is a next generation continuous feed inkjet printer. Available in colour and mono configurations, the cutting-edge technology allows you to produce personalised communication quickly and cost effectively. Streamlined makeready processes and fast throughput speeds allow you to rapidly expedite transactional work, while innovative features, like *Variable Page Length* printing, reduce unit costs.

- Transactional print delivered at speeds of up to 225 m/min.
- Streamlined makeready processes minimise job setup times.
- Save Paper mode enables printing during ramp-up.
- Increase agility by printing on regular uncoated media.
- *Variable Page Length* mode (PDF only) saves paper.

Vibrant and affordable print.

Raising standards in the transactional and direct mail space, the RICOH Pro VC40000 produces vibrant and affordable print communication. Expressing finely modulated droplets of ink, dynamic drop on demand printheads deliver crisp text, fine lines, and seamless halftones. When enhanced quality is required, it is easy to engage High Quality mode. Expanding your print horizons to include higher value applications, such as book printing, the RICOH Pro VC40000 supports dye and pigment inks.

- Innovative drop on demand technology delivers superior results.
- Integrated Hunkeler web inspection system option monitors quality.
- Each dot on every page can be dynamically assessed.
- Engage *High Quality* mode for enhanced detail.
- Explore new applications with dye and pigment inks.

Rapidly expedite transactional print and direct mail.

Adaptable platform meets diverse print needs.

Configured to meet your needs.

With its adaptable design, the RICOH Pro VC40000 caters to diverse print needs while optimising floor space. Variable setup options include simplex, dual simplex, and duplex lines that deliver vibrant colour and/or crisp monochrome output. Integrating seamlessly into your existing production environment, the press can be installed in L, H, and inline configurations with space saving liquid cooled chiller rollers operating in parallel. The high capacity ink station is easily accessible and supports wall side installation.

- The press supports a diverse range of production needs.
- Supports 4/4, 4/1 and 1/1, colour and monochrome.
- Economical simplex engine also available for mono applications.
- Compact L, H, and inline configurations optimise space.
- Optional exhaust filter enables ventless installation.

Intuitive operating system.

The RICOH Pro VC40000 doesn't just deliver superior results; its user-friendly design enhances productivity. The colour touchscreen interface seamlessly controls the RICOH TotalFlow® Print Server and can be customised to accommodate operators with varying levels of experience and expertise. A built-in scanner automates routine tasks such as printhead cleaning and print quality adjustments. Management tools, job setup screens, and maintenance menus are accessed via the same intuitive interface.

- RICOH Pro VC40000 operating system enhances productivity.
- Built-in scanner automates routine tasks, like printhead cleaning.
- Intuitive interface controls the RICOH TotalFlow® Print Server.
- The interface can be customised to accommodate different skill levels.
- Easily add shortcuts to frequently used information and tasks.

User-friendly design enhances productivity.

Performance you can rely on.

Ricoh's Pro VC continuous feed platform has earned an enviable reputation for reliability. The RICOH Pro VC40000 builds on this reputation, incorporating industrial grade printheads that deliver consistent results, time and time again. Tight web rollers maintain media tension throughout the print process to ensure precise colour and side-to-side registration. And to minimise ink consumption, the colour printheads can be safely parked during monochrome printing.

- RICOH Pro VC40000 produces consistently reliable results.
- Industrial grade printheads enhance durability and quality.
- Tight web ensures precise colour and side-to-side registration.
- Chiller rollers cool the media to ensure optimal performance.
- Colour printheads can be parked during monochrome printing.

Powerful digital front end.

Ricoh's high performance digital front end simplifies complex, data-driven transactional work. The RICOH TotalFlow® Print Server R600A effortlessly processes native data streams, such as PS, PDF, PDF/VT, AFP/IPDS, and JDF/JMF, without compromising file fidelity. The robust platform can be expanded to keep pace with increasingly complex applications, enabling you to reduce costs by completing diverse projects, including variable on demand print orders, faster and without mistakes.

- Powerful RICOH TotalFlow Print Server R600A digital front end.
- Supports PS, PDF, PDF/VT, AFP/IPDS, and JDF/JMF data streams.
- Native IPDS™ maximises efficiency in AFP™ environments.
- RIP, Hold, and Print, with image and separation preview.
- Print server can be expanded to keep pace with new applications.

Integrate and automate diverse workflows.

Streamline end to end workflows.

RICOH ProcessDirector™ automates end to end workflows, reducing costs and ensuring 100% output integrity. Powerful data management tools connect to other solutions, including web to print and composition, making it easy to edit and update jobs on the fly, track individual job components at a page level, and create the reporting framework required for regulated communications. Its scalable design accommodates business growth, enabling quick adoption of new applications.

- Optional cross-platform application streamlines complex workflows.
- Easily integrate disparate systems into a single, centralised workflow.
- Capture, transform and manage data, information and processes.
- Deliver personalised communications across multiple channels.
- Track jobs and meet audit requirements with piece-level reporting.

Our partnership extends beyond the production floor.

Class-leading services and support.

We deliver everything your business needs to be more competitive, more efficient and more profitable. From implementation services to business development and beyond, we are here to support you. Our streamlined escalation process guarantees swift resolution of technical issues. Our robust delivery network ensures that parts and consumables are readily available. Our skilled technicians operate under performance metrics aligned to your operational needs.

- Class-leading hardware, software, technical and business services.
- Expert integration of new technologies and existing workflows.
- Print expertise encompassing pre-press, printing, finishing, and beyond.
- Highly effective global supply chain and parts management.
- Escalation process ensures timely response, diagnosis and resolution.

RICOH Pro VC40000

SYSTEM SPECIFICATIONS

RICOH Pro VC40000 Digital Press

Imaging Technology

Print System	Drop on demand (DOD), piezoelectric printheads
Colours	4-colour (CMYK configuration) or 1-colour (K only configuration), 2 bits per spot, dynamic variable drop size at every point on the page, stochastic screening
Resolution/Speed	600 x 600 dpi CMYK @ 120 m/min
	600 x 450 dpi CMYK @ 150 m/min
	600 x 400 dpi CMYK @ 180 m/min
	600 x 300 dpi CMYK @ 225 m/min*
	600 x 600 dpi K-only @ 180 m/min
	600 x 300 dpi K-only @ 225 m/min*
	*Maximum 180 m/min when using pigment ink.
Print Width	150~520 mm
Page Length	101.6-1,371 mm
Paper Width	165-520 mm
Paper Weight	40-250 gsm*
	*Maximum print speed 100 m/min with media over 157 gsm.
Paper Types	Uncoated, inkjet treated, inkjet coated, pinless and pin-fed

Engine Components

Base Unit	
Dimensions (WxDxH)	3,240 x 1,870 x 1,1971 mm
Weight	2,750 kg

Power Requirements

Connection:	208–240V, 102A per engine
Power Consumption:	Idle: 16kWh, 51kBTU/hr
	Printing: 63kWh, 216kBTU/hr*
	*75-90 gsm paper, 120m/min, dryer temperature of 60° C

Operating Range

Temperature:	Recommended:18~24° C
Humidity:	Recommended: 40–60%
Sound Power Level:	Not applicable
Radiated Sound Pressure:	Printing: <80 dBA
(ISO11200)	Idle: <80dBA
Dryer:	Single-drum dryer per engine
Dryer Temperature:	Range: Up to 90° C
	Ventilation: Optional
Ink:	Dye and pigment ink, 2 18L cartridges for each colour, replace on the fly
Controller:	RICOH TotalFlow R600A Digital Front End
Data Stream Support:	Postscript Level 3, PDF 1.7, PDF/VT, IPDS (IS3)
Connectivity:	Gigabit Ethernet

POWERED **BY**

Adobe PDF Print Engine

with Mercury RIP architecture

CERTIFIED BY ADOBE FOR ITS MERCURY RIP ARCHITECTURE

Enables digital printers to process their jobs in a fast and flexible manner, boosting RIP speed to an outstanding level.

RICOH TotalFlow R600A Digital Front End

Architecture

Processor Architecture:	Intel Xeon x64
OS:	Linux
Weight and Dimensions:	325 kg / 1,003 x 609 x 1,245 mm (WxDxH)

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, Service or Custom)
Highly customisable user interface layout by role
Graphical Printer & Supplies Status
Operator Messages
Paper Catalogue/Paper Setup

Job Management

Graphical Job Ticketing
Job Preview - Native JDF
Banner
Operator Comments
Sides Printed
Copies
Rotate, Reduce/Enlarge, Image Alignment
Special Marks

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 AIX, Linux, or Windows
Version 3.22 or later
RICOH InfoPrint Manager for AIX, Linux, Windows
Version 4.12 or later
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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