Continuous Feed Inkjet Printer

RICOH
Pro VC40000

RICOH
imagine. change.

Pro VC40000

590 fpm

Full-color & B&W

Create new value
for your business

Quality is at the core of compelling print that captures attention. Breaking new ground in the transactional and direct mail space, the RICOH Pro VC40000 delivers crisp text and fine detail with high-precision printing at speeds of up to 590 feet per minute and an impressive range of media support. This combination gives you the ability to cost-effectively create a wide breadth of applications — including personalized communications, MICR applications, direct mail, booklets, brochures and sales collateral — while built-in technology ensures optimal system performance.
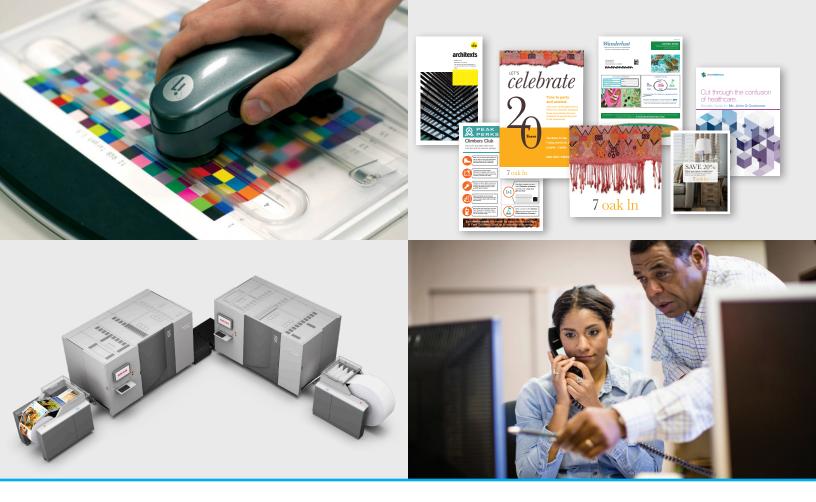
Gain a competitive advantage with the efficiency and reliability of the RICOH Pro VC40000:

- Printing speeds up to 590 feet per minute improve productivity, throughput and the capacity to deliver on-demand jobs and meet SLAs.

- Ricoh's Variable Drop Technology delivers only the exact amount of ink needed, resulting in predictable, accurate and consistent color.

- Support for printing on uncoated, inkjet-treated and inkjet-coated papers at 600 dpi gives your business more agility.

- Inline cooling for maximum print quality, powerful drying that supports high-coverage applications and a built-in auto-adjustment scanner let you deliver exceptional materials that elevate your clients' engagement with their customers.

- A modern flexible, scalable design supports continuous enhancements to help you stay technology-forward and protect your investment.

- Advanced cleaning mechanisms and drop-down printheads support easy maintenance, optimal performance and system longevity.

- A digital front-end powerful enough for the most demanding jobs facilitates efficiency and productivity.

- Color printheads equipped with dye or pigment-based inks remain static during black-and-white printing and deploy for full color (with an optional MICR printhead) expand to meet requirements as needed.

With over 50 years of inkjet leadership, **Ricoh is a true partner** that provides ongoing support and consultative services that enable your success.

Accuracy, efficiency and added value

Deliver high quality and fast turnarounds. With the RICOH Pro VC40000, operators can put jobs into production with minimal setup, while a touchscreen interface makes it easy to run them accurately. A built-in high-resolution scanner automates printhead cleaning and makes quality adjustments, reducing the need for manual intervention. Different workflows can be integrated, so they won't slow you down, even in mixed environments.

Reliable performance, optimized for your needs

Reliability is built into all aspects of Ricoh's continuous feed inkjet systems, including in the use of industrial-strength materials, proven paper transports and printhead technology. The life of the color printheads is extended as they remain stationary during monochrome printing, which also reduces ink consumption significantly. Compared to those of competing systems, the printheads require fewer and less time-consuming operator maintenance tasks. A configurable design allows L, H, inline and dual-simplex system configurations that fit your space. Also available in a monochrome-only configuration.

Effective marketing for less

With technology that manages ink consumption without compromising quality, the RICOH Pro VC40000 lets you meet customers' on-demand needs for marketing that makes an impact. Pioneering variable drop-size technology optimizes each dot to create crisp lines and smooth halftones, avoiding flaws like moiré patterns produced by fixed drop-size systems. What's more, Ricoh's color management experts can help you fine-tune ink usage to control costs and optimize production as well as assist with color matching, calibration and conformance to standards.

Support and services to maximize your ROI

Ricoh's rigorous approach to implementation lets you start running revenue-producing production as quickly as possible. Sustain success with Ricoh's dedicated production print service organization, one of the largest in the country. Our escalation and alert process results in timely response and resolution, while a nationwide network ensures that parts are readily available. After installation, we follow up regularly to confirm that we and our products continue to meet your expectations. After all, Ricoh's success is based on your success.

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	600x600 dpi @ 394 ft/min (120 m/min)
	600x450 dpi @ 492 ft/min (150m/min),
	600x400 dpi @ 590 ft/min (180m/min),
	600x600 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

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

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 3.2 or later releases
TotalFlow BatchBuilder for Windows
      Version 1.1
InfoPrint Manager for AIX, Linux, or Windows
      Version 4.5 or later releases
Print Services Facility for AIX, Linux or Windows
      Version 3.1 or later releases

Note: For Linux SLES or Red Hat

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

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