Color Production Printer

RICOH Pro C9100

Printer Copier Facsimile Scanner

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RICOH
imagine. change.

Pro C9100
110 ppm monochrome and full-color

Expand your business with high-volume, on-demand printing

Do you want to move your business forward? Move information faster? After all, you're trying to reach a moving target. People demand information immediately — and they want it tailored just for them. With the RICOH® Pro C9100 color printer, you can break though into the profitable world of high-volume digital production, transforming and delivering information just the way your customers want it. Choose from a wider range of media options, including oversized media, synthetics, textured prints and more to keep jobs in-house. Create personalized campaigns using variable data to help improve response rates. Take advantage of automated finishing to add a professional look. It's all part of creating your own hybrid workflow to capture more business. Finally, you have a high-powered digital printer to help produce faster, more diverse runs with near offset quality at an affordable price.

- Produce up to 130 ppm and transition between jobs effortlessly
- Impress customers with exceptional images at up to 1200 x 4800 dpi resolution
- Choose from more types of media and thicker stocks and tailor campaigns to your audience and budget
- Add in-line finishing to give every job heading out the door a professional look
- Automate your workflow to reduce production prep work and costly errors

Create high-speed, digital output quickly and affordably

Customize every campaign for every customer

Choose digital to help capture more revenue

Give your business and your customer exactly what each wants — more business. With the RICOH Pro C9100, you can produce a wider range of high-quality digital output to meet your customer's most specific needs. Targeted audiences? Connect with them directly using variable data printing (VDP). Smaller budgets? Create automated workflows and minimize prep work for more affordable printing on demand. Tight deadlines? Produce jobs at up to 130 ppm and transition to the next job quickly. Sophisticated campaigns? Customize each job with a wide range of media stocks and finishing options. Use this fast, powerful and versatile digital printer to deliver more jobs without compromising quality or your budget.

Tailor media to fit your audience

What works for one audience might not work for the next. So why treat them the same? Use traditional paper media, including thicker stocks up to 400 g/m², for presentations, postcards and envelopes. Add an oversized print tray or use the Multi-Bypass Unit to print two-sided signs, banners and point-of-purchase displays up to 27.5" and make a bigger impression with more people. Work with specialty media, including glossy, metallic, coated, transparent and other synthetics. With an elastic transfer belt and advanced toner transfer technology, you can even transfer images to textured materials like vellums and linens. Whatever you choose, images and text transfer with exceptional consistency in captivating color to grab an audience's attention every time. And it's easier than you might think. Simply preset or customize media settings for up to 1,000 profiles in the paper library to minimize prep work between jobs.

Move to the next job quickly

You can't afford to wait. So use the RICOH Pro C9100 to get critical information in front of audiences before somebody else does. Produce up to one million pages per month at up to 130 ppm to meet your tightest deadlines and transition between jobs quickly. With air-assisted feeding from up to eight vacuum-fed drawers and a straight belt paper path and integrated cooling system, worry less about jams, double feeds or overheating — even for your thickest stocks up to 400 g/m². When you load up all the available trays, you can increase paper capacity up to 18,100 sheets. Plus, since you can change consumables — including toner — on the fly, you can extend print runs even longer without interruptions to meet your customers' most challenging demands.

Manage more jobs with less effort

1 **SR5060 2,500-Sheet Booklet Finisher (Optional):** Create stapled and saddle-stitched booklets of up to 20 sheets with ease. Add an optional Booklet Trimmer Unit and Hole Punch Unit for specialty projects.

2 **SR5050 3,000-Sheet Staple Finisher (Optional):** Staple up to 100 sheets quickly at sizes up to 13" x 19.2". Want more flexibility? Add the optional Hole Punch Unit. (not shown)

3 **RB5020 Ring Binder (Optional):** Collate, hole punch, insert and close rings for up to 100-sheet documents automatically to minimize errors and reduce labor costs. (not shown)

4 **Plockmatic PBM 350/500 Booklet System (Optional):** Create booklets with up to 50 sheets of paper in-line or off-line with available three-sided trimming and square fold. Supports up to 300 g/m² coated or uncoated paper stocks. (not shown)

5 **SK5030 High-Capacity Stacker (Optional):** Keep jobs running continuously. Take advantage of this 5,000-Sheet Stacker with rollaway cart and quickly move large volumes of output to off-line binding or packing and shipping. It even includes a lock to help protect confidential documents.

6 **GB5010 Perfect Binder (Optional):** Glue and bind up to 200 sheets with three-edge trimming, including covers up to 300 g/m², for professional booklets. (not shown)

7 **FD5020 Six-Position Multi-Folding Unit (Optional):** Execute up to six types of folds, including Z-folds, half folds, gatefolds and more, to give your customers a wider range of finished documents. (not shown)

8 **GBC StreamPunch™ Ultra (Optional):** Create professional-quality documents with in-line punching for a wide media range up to 300 g/m². Accommodates tabs and can even "double-punch" for off-line cutting. (not shown)

9 **Full-Color SVGA Control Panel:** Transition between jobs effortlessly via fingertip control and animated guides from the post-mounted 10.4" LCD touch screen.

10 **Status Light Pole:** Know the moment maintenance is required, even if you're away from the device.

11 **Automatic Duplexing:** Save paper and help reduce costs without compromising print speed. (not shown)

12 **VCSEL and Active Toner Density Control:** Create output with brilliant colors and smooth gradations for sharper text and more precise reproductions.

13 **Oversize and Heavy Media Support:** Handle more types of media, including up to 13" x 19.2" standard paper sizes, a 27.5" oversize option, and heavy media (up to 150 lb. cover through the vacuum-fed trays and RT5100 LCIT), and keep more jobs in house. (not shown)

14 **Media Identification Unit:** Eliminate guesswork during print production prep work and easily associate media with the closest available match in your media library. (not shown)

15 **Paper Trays (Standard):** Print with fewer reloads via total paper capacity that starts at 4,400 sheets, thanks to 2 standard 2,200-sheet, vacuum fed paper trays. Add other optional paper sources to increase capacity to 18,100 sheets.

16 **Active Tray Indicators:** Find out which tray is currently being fed into the printer, so you can refill other paper sources without interrupting printing.

17 **RT5100 Vacuum Feed Large Capacity Input Tray (Optional):** Ensure paper feeds run continuously with a three-belt air-blasting tool that handles coated papers up to 150 lb. cover (400 g/m²). Add three LCITs to increase feeding capacity up to 18,100 sheets.

18 **BU5010 Bridge Unit:** Extend print runs and minimize interruptions by bridging three 4,400-Sheet Trays.

19 **Vacuum Feed Oversize Tray Type S3 (Optional):** Print up to 1,100 sheets of larger media up to 27.5" long to give customers more professional print options.

20 **CI5030 Cover Interposer Tray (Optional):** Feed pre-printed sheets for fast production of front and back covers.

21 **BY5010 Multi Bypass Tray (Optional):** Feed up to 550 sheets of specialty stocks, including an array of sizes up to 49", and expand what you can offer customers.

Improve workflow with powerful print controllers

Work faster with fewer errors to help make every job more efficient. Choose from the Fiery® E-43/ Pro 80 or Fiery® E-83/QX Color Controllers and create end-to-end automated workflows to expedite production printing. Or, you can opt for EFI's Fiery Server technology for even more capabilities that produce graphic arts quality at incredible speeds.

Turn every message into a showcase

High-quality output with energy efficiency

Everybody has information to share — but will anybody notice it? Break through the clutter with the RICOH Pro C9100. Captivate any audience with best-in-class reproductions at up to 1200 x 4800 dpi resolution. Achieve precise front-to-back registration for all media types during an entire print run. You don't have to worry about toner density either. Color gradations are adjusted automatically, even when switching between media types, so the last print remains as vivid as the first, from one run to the next. In addition, we use toner with a lower temperature melting point for better saturation. That means less waste and less energy. Plus, the system is ENERGY STAR® certified and meets EPEAT® Silver* criteria.

Control complex printing with ease and convenience

There's always another deadline looming. When you have the RICOH Pro C9100, however, you'll realize it's just another opportunity to drive business. Add the Fiery® E-43/Pro 80 or Fiery® E-83/QX Color Controllers for graphic arts quality output at incredible speeds, so you can transition to the next job quickly. In fact, you can get started while still on the first job. Rip one file while processing another without slowing production on either one. Preset print settings or use configurations from other print jobs to streamline production. You can even add up to 250 spot-color applications per page to meet the highest quality standards.
Don't worry, more speed won't lead to more mistakes. You can set up proofing touch points, so the right people can make informed decisions at the most opportune times to minimize delays or reprints.

Maintain quality from start to finish

Even the best print job can fall apart at the end if you don't have quality finishing solutions. With the RICOH Pro C9100, you can automate a wide range of finishing tasks and impress customers with faster turnarounds for even the most complex jobs. Choose from multiple folding options for brochures, direct mail and other collateral. Create books, in sizes up to 11" x 17", with your choice of booklet maker, folder and trimmers. Need to collate? Bind? Punch? Trim? We have that covered for you, too. Each finishing solution helps automate the process, so there's less manual labor and fewer errors.

*EPEAT rating is applicable only in the USA.

Produce high-quality print-on-demand jobs on time

Automate tasks to reduce manual errors

Manage jobs with incredible speed — often with only a few clicks — using embedded Fiery System FS150Pro software. Take advantage of EFI Command Workstation, HotFolders, Virtual Printers and the Ricoh TotalFlow™ portfolio to gather and share critical information on every job seamlessly, so the right people can make the right decisions during the production process. The Media Identification Unit allows you to maintain exceptional control regardless of who's operating the device. All you have to do is put media through the unit and the paper size, stock type and other key details are displayed automatically, so one user to the next — even those unfamiliar with the print process — can initiate an error-free run.

Be decisive and move jobs quickly

Every delay costs you money — so avoid them. The RICOH Pro C9100 helps you access critical information quickly, so you can be more informed when you need to make the split-second decisions on the production room floor. From the experienced operator to the new hire, your entire team can see print details and make adjustments from the raised SVGA color control panel featuring animated guides and fingertip control. Want to check for accuracy one more time? Fine-tune registration to ensure the entire run remains accurate.

Keep work flowing — with or without our help

Take charge when you need to and keep those deadlines and budgets in check. When consumables run low, you can replace toner and paper on the fly without interrupting the print run. A straight paper path with LED guidance makes clearing misfeeds easy. With Ricoh's TCRU (Trained Customer Replaceable Units) program, other key components, such as drums, rollers, fuser cleaning units and more can be swapped out in only moments without technical assistance. A status light pole alerts users when service is needed, so you can respond quickly even if you're across the room. For optimal color quality, you can work with our G7 Master Print Qualified experts to verify colors and even teach your staff how to gauge and use colors more effectively.

RICOH Pro C9100/C9110

SYSTEM SPECIFICATIONS

Engine Specifications

Configuration	Console
Process	4-drum dry electrostatic transfer system with internal transfer belt
Fusing	Oil-less belt-fusing method
Output Speed (FC/B&W)	Pro C9100 – 110 ppm
Max Monthly Volume	1,000K
Duty Cycle	1,750K
Resolution	1200 x 4800 dpi VCSEL
Warm-Up Time	Less than 420 sec.
Limitless Paper Supply	Supported
Paper Size	13" x 19.2"/13" x 27.5"
Maximum Printable Area	12.7" x 18.9" (323 mm x 480 mm) 12.7" x 27.2" (323 mm x 692 mm) (when using Oversize Tray Option)
Paper Weight and Type	1st and 2nd Trays: Vacuum Feed/Air Assist for 14 lb. Bond – 150 lb. Cover (52.3 – 400 g/m²); Plain Paper, Coated Paper, Recycled Paper, Preprinted, Letterhead, Pre-punched, Tab Stock, Translucent Paper, Envelope, Textured Paper, Label Paper 3rd – 8th Trays: Vacuum Feed/Air Assist for 14 lb. Bond – 150 lb. Cover (52.3 – 400 g/m²) Oversize Tray: 14 lb. Bond – 110 lb. Cover (52.3 – 300 g/m²) Bypass Tray Unit: 14 lb. Bond – 81 lb. Cover (52.3 – 216 g/m²) Duplex: 14 lb. Bond – 150 lb. Cover (52.3 – 400 g/m²)
Paper Weight Setting	Thick1 (52.3 – 63 g/m²), Thick2 (63.1 – 80 g/m²), Thick3 (80.1 – 105 g/m²), Thick4 (105.1 g/m² – 163 g/m²), Thick5 (163.1 g/m² – 220 g/m²), Thick6 (220.1 – 256 g/m²), Thick7 (256.1 – 300 g/m²), Thick8 (300.1 – 360 g/m²), Thick9 (350.1 – 400 g/m²)
Paper Capacity	Standard: 1st Tray: 2,200 sheets, 2nd Tray: 2,200 sheets Optional Vacuum Feed LCT 3rd – 8th Trays: 2,200 sheets for each tray Bypass Tray: 550 sheets
Power Source	208-240 V, Less than 60A (30A x 2), 50/60 Hz
Max. Power Consumption	Less than 9000 W
Typical Electricity Consumption (TEC)*	Pro C9100: 27.5 kWh/week

*Typical Electricity Consumption by ENERGY STAR program

Dimensions (WxDxH)	99.2" x 39" x 49" (2520 mm x 990 mm x 1500 mm) Height: 73.6" (1870 mm) when including status pole
Weight	Less than 2,200 lbs. (1,000 kg)

Printer Features

Fiery E43/Pro 80 Controller	
Fiery E83/QX Controller	
EFI Platform	FS150Pro
Configuration	External
Memory	E43: 2 GB x 2 E83: 2 GB x 8
CPU	E43: Intel i5-4570 (2.9 GHz up to 3.6 GHz with Turbo) E83: Intel Xeon (Quad-Core), Xeon E5-2637 (3.5 GHz up to 3.8 GHz w/Turbo)
HDD	E43: 1TB x 1 SATA E83: 1TB x 2 SATA / RAID 0 (for data); 500 GB SATA (for OS)
Operating System	Windows 7 Professional™ for Embedded Systems x64

Hardware Accessories

Vacuum Feed Large Capacity Input Tray (LCIT RT5100)

Dimensions (WxDxH)	41.5" x 28.7" 39.4" x (1054 mm x 730 mm x 1000 mm)
Weight	Less than 484 lbs. (220 kg)
Power Consumption	Less than 860 W
Power Supply	100 – 127 V
Paper Size	A5 (LEF)/5.5" x 8.5" – 13" x 19.2"
Paper Capacity	2,200 sheets
Paper Weight	14 lb. Bond – 150 lb. Cover (52.3 – 400 g/m²)

Vacuum Feed Oversize Tray Type S3

Dimensions (WxDxH)	When attached to the LCIT RT5100 the dimensions become 50.8" x 28.7" x 39.4" (1290 mm x 730 mm x 1000 mm)
Weight	Less than 88 lbs. (40 kg)
Paper Size	A5 (LEF)/5.5" x 8.5" – 13" x 27.5" Recommended output device for oversize media is the SR5050/SR5060 finisher.
Paper Weight	14 lb. Bond – 110 lb. Cover (52.3 – 300 g/m²)
Paper Capacity	1,100 sheets

Bridge Unit for LCIT RT5100 (BU5010)

Dimensions (WxDxH)	13" x 28.7" x 39.4" (330 mm x 730 mm x 1000 mm)
Weight	Less than 132 lbs. (60 kg)
Power Source	From LCIT RT5100
Paper Size	Width: 3.94" to 13" (210 mm to 330.2 mm) Length: 5.5" to 27.55" (420 mm x 700 mm)
Paper Weight	14 lb. Bond – 150 lb. Cover (52.3 – 400 g/m²)

Multi Bypass Tray Unit (BY5010)

Dimensions (WxDxH)	27.1" x 22.1" x 8.3" (690 mm x 561 mm x 210 mm)
Weight	Less than 44 lbs. (20 kg)
Power Source	From LCIT RT5100
Paper Capacity	550 sheets
Paper Size	5.5" x 8.5" – 13" x 27.5" Recommended output device for oversize media is the SR5050/SR5060 finisher.
Paper Weight	14 lb. Bond – 80 lb. Cover (uncoated) (52.3 – 216 g/m²)

3,000 Sheets Finisher with 100 Sheets Stapler (SR5050)

Dimensions (WxDxH)	39.2" x 28.7" x 44.3" (996 mm x 730 mm x 1126 mm)
Weight	Less than 246.4 lbs. (112 kg)
Power Consumption	Less than 150 W (excluding peak consumption)
Power Supply	120 – 240 V
Output Jogger	Standard
Staple Position Adjustment	Yes (Two-position staple only)
Proof Tray Stack Capacity	250 sheets (20 lb. Bond, 80 g/m²), A5 – 13" x 19.2"
Shift Tray Stack Capacity	3,000 sheets (A4 LEF, B5 LEF, 8.5" x 11" LEF), 1,500 sheets (A3, A4 SEF, B4, B5 SEF, 11" x 17" SEF, 8 1/2 " x 11" SEF, SRA4, 226 x 310 mm), 1,000 sheets 12" x 18", SRA3, 13" x 18", 12.6" x 18.5", 12.6" x 19.2", 13" x 19", 13" x 19.2", 310 x 432 mm)

Booklet Finisher (SR5060)

Dimensions (WxDxH)	39.2" x 28.7" x 44.3" (996 mm x 730 mm x 1126 mm)
Weight	Less than 246.4 lbs. (112 kg)
Power Consumption	Less than 150 W (Excluding peak consumption)
Power Supply	120 – 240 V
Output Jogger	Standard
Proof Tray Stack Capacity	250 sheets (20 lb. Bond, 80 g/m²)
Shift Tray Stack Capacity	2,500 sheets (20 lb. Bond, 80 g/m²)
Booklet Capacity	20 sheets/book

Cover Interposer Tray (CI5030)

Dimensions (WxDxH)	21.3" x 28.7" x 50.8" (540 mm x 730 mm x 1290 mm)
Weight	Less than 99 lbs. (45 kg)
Power Source	From mainframe
Paper Size	A5/HLT – 13" x 19.2"
Paper Weight	17 – 58 lb. Bond /110 lb. Index (64 – 216 g/m²)
Paper Capacity	200 sheets x 2 trays
Original Set	Face up, first sheet on top

Ring Binder (RB5020)

Dimensions (WxDxH)	34.2" x 28.7" x 39.8" (870 mm x 730 mm x 1010 mm)
Weight	Less than 308 lbs. (140 kg)
Power Consumption	Less than 400 W
Power Supply	100 – 240 V, 50/60 Hz
Paper Size	A4 LEF, 8.5" x 11" LEF
Paper Weight	20 – 40 lb. Bond, 90 – 110 lb. Index, 50 – 80 lb. Cover (64 – 216 g/m²)
Capacity of Ring Bind	2 – 100 sheets
Tab Stock	Supported

Perfect Binder (GB5010)

Dimensions (WxDxH)	42.9" x 31.1" x 54.6" (1090 mm x 791 mm x 1387 mm)
Weight	Less than 770 lbs. (350 kg)
Power Consumption	Less than 623 W
Power Supply	200 – 240 V, 50/60 Hz
Cutting Directions	3 edges, 1 edge, None
Booklet Size	Width: 7.9" x 11.7" (201 – 297 mm) Length: 5.5" x 8.5" 139.7 (210 mm)
Paper Weight	24 – 40 lb. Bond, 90 lb. Index, 50 – 110 lb. Cover (90 – 300 g/m²)

6-Position Multi-Folding Unit (FD5020)

Dimensions (WxDxH)	18.5 " x 28.7" x 39.4" (470 mm x 730 mm x 1000 mm)
Weight	Less than 165 lbs. (92 kg)
Power Consumption	Less than 240 W
Power Supply	120 V, 50/60 Hz
Single Sheet	Z-fold, Half fold, Letter fold, Double Parallel fold, Gatefold
Multiple Sheets	Up to 3 sheets, Half fold, Letter fold
Paper Size	Single Sheet: Up to 12" x 18" for Z-fold, Double Parallel, Gatefold; Up to 13" x 19" for Half fold Multiple Sheets: Up to 13" x 19" for Half fold; Up to 8.5" x 11" for Letter fold
Paper Weight	Single sheet: 64 – 105 g/m² Multiple sheets: 64 – 80 g/m²

Booklet Trimmer (TR5040)

Dimensions (WxDxH)	43.9" x 23.3" x 21.8" (1115 mm x 591 mm x 555 mm)
Weight	Less than 246.4 lbs. (75 kg)
Power Supply	120 V, 50/60 Hz
Trimming Type	One side edge
Trimming Capacity	1 – 20 sheets (2 – 40 pages after folding)
Paper Size	Up to 13" x 19.2"
Stack Capacity	1 – 5 sheets: 60 sets 6 – 10 sheets: 35 – 40 sets 11 – 20 sheets: 20 – 25 sets

Plockmatic Booklet Maker (PBM350/PBM500)

Speed (Online usage)	Maintain engine speed (actual depends on engine speed).
Standard Paper Sizes	A4, A3, B4, 8.5 x 11", 8.5 x 14", 11 x 17", 12 x 18", SRA3, SRA4, 9 x 12"
Paper Size (Minimum)	Width 206 mm / 8.1" Length 275 mm / 10.8"
Paper Size (Maximum)	Width 320 mm / 12.6" Length 457.2 mm / 18.0"
Paper Weight (Minimum)	64 g/m² / 16 lb. Bond Uncoated 100 g/m² / 28 lb. Bond Coated
Paper Weight (Maximum)	300 g/m² / 110 lb. Cover (350 g/m²*)

*350 g/m² supported on some media. Additional testing by the media at hand is required before any guarantees can be given. 350 g/m² is supported through the interface.

Belt stacker capacity	2 sheets: 200 sets 10 sheets: 90 sets 15 sheets: 35 sets 20 sheets: 25 sets 30 sheets: 15 sets 40 sheets: 12 sets 50 sheets: 10 sets
Input / Output Sheets	1 – 50 sheets (80 g/m² / 20 lb. Bond, equivalent), for PBM500 1 – 35 sheets (80 g/m² / 20 lb. Bond, equivalent), for PBM350
Input / Output Sheets	1 – 2 sheets
Off-line Use	Possible. PBM500 and PBM350 can be hand fed
Dimensions (LxHxD)	1420 x 970 x 700 mm / 55.9 x 35.4 x 27.6"
Power Source	100-230 V 50-60 Hz
Power Consumption	250 W
Noise Emission	62 dB

GBC StreamPunch Ultra

Punched Paper Sizes	10 fixed sizes (A5 – A3)
Punched Media Weight Range	20 lb. Bond – 140 lb. Cover (300 g/m² max)
Tab Punching	Yes
"Two-Up" Punching	Yes

High Capacity Stacker (SK5030)

Dimensions (WxDxH)	35.4" x 28.7" x 39.8" (900 mm x 730 mm x 1010 mm)
Weight	Stacker: 264 lbs. (120 kg); Rollaway Cart: 33 lbs. (15 kg)
Power Consumption	Less than 120 W
Power Supply	120 – 127 V, 50/60 Hz
Paper Capacity	5,000 sheets (SRA3, A4, LT size), Proof Tray: 250 sheets
Output Jogger	Standard
Rollaway Cart	Standard, Optional additional carts available

*Vacuum Feed LCIT RT5100 can accept either the BY5010 Bypass Tray OR Multi Bypass Oversize Sheet Tray – not both (see media size, weight and finish specs)

*If configuring BY5010 and RT5100 you must add Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3

Consumables

CMYK Toners	Yield: 52,000 pages/bottle*
Waste Toner Bottle	Yield: 220,000 pages
Staples	5,000/cartridge (for SR5050 and SR5060)
Ring Cartridge	75 sets/cartridge

*Based on 8.75% coverage (A4/LT)

TCRU Program	Supported

Workflow Solutions Supported

Ricoh Process Director Express™, Ricoh TotalFlow Prep, TotalFlow Print Manager/Production Manager, TotalFlow Path and TotalFlow BatchBuilder, Ricoh @Remote, EFI™ Digital StoreFront™, EFI Color Profiler Suite, EFI Fiery Graphic Arts Package Premium Edition, DirectSmile ,

EFI Fiery Central, Objectif Lune PlanetPress, PTI FusionPro™, PTI MarcomCentral™, CGS ORIS Lynx & PressMatcher

Specifications subject to change without notice.

For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

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