Digital Full Colour Production Printer

RICOH Pro C5100S/C5110S

☑ Copier ☑ Printer ☑ Scanner

RICOH
imagine. change.

Pro C5100S	Pro C5110S
65 ppm B/W Full Colour	80 ppm B.W Full Colour

RICOH Pro C5100S/C5110S
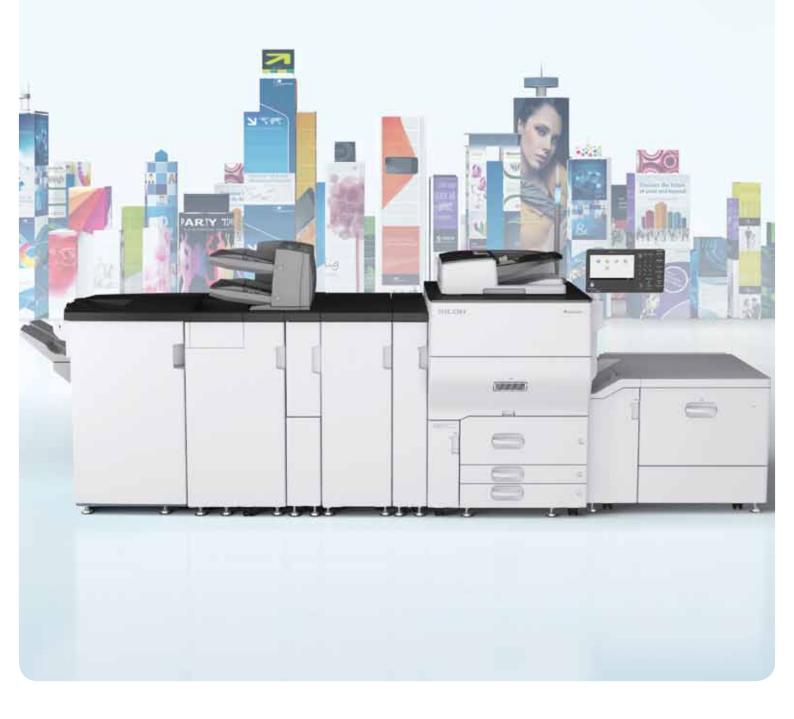
High Quality.
Broad Media Usage.
Ease of Use.
See where productivity meets profitability.

Designed specifically for high-quality, low-cost output in production environments, the RICOH Pro C5100S/C5110S colour digital printer combines incredible speed with intuitive controls and advanced capabilities. Use it to produce exceptional images with vivid colours and clarity on a wider range of media without compromising convenience, space or resources. Keep high-grade, professional jobs in-house and share them quickly and economically. This versatile, easy-to-use production printer can be used as a primary device in production settings or as an affordable, complementary system in CRD or print center environments.

- Print full-colour or black-and-white documents at up to 80 ppm
- Impress customers with colour image resolution up to 1200 x 4800 dpi
- Manage a wide range of media up to 13" x 19.2"
- Share documents quickly with innovative scanning capabilities
- Load up to 8,250 sheets for outstanding paper capacity
- Produce more projects in-house with advanced finishing options

Keep growing as you save space and reduce costs

High-speed colour and versatile performance for production environments

Innovative technology, superior quality

The RICOH Pro C5100S/C5110S prints documents with up to 1200 x 4800 dpi image resolution for professional-grade results. Take advantage of its revolutionary Vertical Cavity Surface Emitting Laser (VCSEL) technology for precise reproductions. It emits laser beams to adjust to sheet expansion and contraction, which minimizes colour shift. The printer automatically readjusts paper to align front and back registration for more accurate printing even during your longest print runs. It also includes an elastic fusing belt to ensure better, more consistent transfer and toner adhesion on specialty stocks.

Versatile controllers, proven performance

Choose from two Fiery print controllers to simplify print management in either Windows or Mac environments. The optional Fiery E-22B colour controller handles most CRD jobs and colour management tasks with ease while the optional Fiery E-42B colour server is designed to give users even more advanced control for high-quality performance that's usually reserved for larger, more expensive devices in high-end commercial print environments.

Powerful features, productive workflow

Move from one project to the next seamlessly with the RICOH Pro C5100S/C5110S printer. It offers an intuitive, post mounted control panel with easily identifiable icons for fast navigation to critical tasks and functions. It produces up to 80 colour prints per minute for impressive throughput in any environment. This workhorse is designed so trained users can easily replace key units and consumables themselves without technical assistance. Users can even replace toner in moments without interrupting print runs.

Designed to maximize your success

High productivity

- Runs at up to 80 pages per minute in B/W and colour
- Paper handling and print quality is improved by advance toner transfer technology and elastic fusing belt
- Delivers high productivity in low volume runs helping you meet tight delivery schedules

The latest laser technology

Our innovative VSCEL technology gives best in class resolution of up to 4800 dpi creating outstanding image quality. VCSEL has as many as 40 laser beams emitting simultaneously to give exceptionally accurate and smooth, professional image quality.

Seamless workflow

The RICOH Pro C5100S/C5110S lets you handle a wider range of printing, copying and scanning jobs to meet customer demands efficiently while helping to reduce operating costs. Use it to produce almost any print and copy job — from basic everyday monochrome output to colourful and complex visuals — quickly, with low costs per page. Scan and share documents in moments with convenient scan-to features. Save files to USB or SD cards and carry projects with you. With its combination of advanced features and compact footprint, it fits seamlessly into the most demanding production centers and in the smallest graphics departments where compelling prints and high efficiency are essential.

Extend your capabilities

Advanced image control

Enhance documents with rich, engaging colour. The RICOH Pro C5100S/C5110S uses proprietary PxP-EQ toner to expand colour density and saturation. As a result, it can deliver brilliant quality colour using a minimal amount of toner. Because the toner melts at lower temperatures, it requires less energy and minimizes operating costs. It also continually monitors image quality along with internal and external conditions so you can print highly visible material — including business cards, catalogs, invitations, direct mail and more — with incredible colour clarity and consistency.

Broad paper support

Print more types of jobs on a wider range of paper. The RICOH Pro C5100S/ C5110S can handle thicker paper stocks, up to 256 g/m^2 at duplexing speeds, and stocks up to 300 g/m^2 for standard printing. It allows you to print on up to 13" x 19.2" (SRA3++) sized paper as easily as smaller sizes, including textured, heavy-coated media and envelopes. The printer will accept almost any paper size automatically to streamline printing. Use its embedded Paper Library feature to access and adjust printing attributes in moments. With its total paper capacity of 8,250 sheets, it's the perfect system for your black-and-white and colour production needs.

Professional-grade finishing

Configure the RICOH Pro C5100S/C5110S to handle more robust jobs and bring previously outsourced projects in-house. Extensive stapling, hole punching, saddle stitching, booklet finishing and other related features are available to address pressing demands and quick turnarounds. Insert pre-printed front and back covers with a Cover Interposer. Take advantage of a Multi-Fold Unit to offer a variety of folding options. The system even offers a Buffer Pass Unit and Decurl Unit for the specialized requirements of production environments.

Optimize your environment

Maximized uptime

- Paper weight detection prevents mismatching of paper weight to setting which could cause incomplete fusing or downtime
- Multi-feeding detection avoids misfeeds of pre-printed paper – so print quality is assured and problems avoided
- Status Light Pole allows operation to be monitored from a distance
- Operation panel features animations that easily guide the user through the clearance process should a jam occur

Controlled administration and security

Protect your most valuable assets — including the RICOH Pro C5100S/C5110S — with a host of innovative features. The printer offers Ricoh's @Remote solution to simplify meter- and maintenance-related device management. Take advantage of authentication controls to help ensure only authorized users have access to key functionality and printed output. In addition, the device includes the standard Data Overwrite Security System (DOSS) that automatically overwrites any files on the hard drive to render them unreadable. HDD encryption adds another layer of protection against hackers.

Energy saving

Do more work using less energy. The RICOH Pro C5100S/C5110S offers several features to reduce typical energy consumption (TEC), including proprietary PxP-EQ low temperature toner. Standard one-pass duplex scanning saves steps and energy to maximize efficiency. In addition to the system's ENERGY STAR rating, many internal components are engineered with non-toxic, plant-based plastics to reduce the system's carbon footprint.

Take advantage of innovative features to improve productivity

1 **CI4010 and CI4020 Cover Interposers (Optional):** Feed pre-printed sheets from one or two sources for front and back covers.

2 **SR4100 2,000-Sheet Booklet Finisher (Optional):** Produce full-color booklets cost-effectively with the in-line Booklet Finisher. Also available with an optional Hole Punch Unit.

3 **SR4110 and SR4090 3,000-Sheet Finishers (Optional):** Choose from 65- or 100-sheet stapling with the ability to output documents up to 13" x 19.2". Add the optional Hole Punch Unit for even more flexibility.

4 **FD4000 Multi-Fold Unit (Optional):** Execute six different folds to create a variety of finished documents.

5 **Buffer Pass Unit (Optional):** Minimize toner adhesion on stacked, coated paper by cooling output prior to the media entering a finishing unit.

6 **Decurl Unit (Optional):** Promote more accurate stacking and higher throughput by reducing the risk of paper curling.

7 **100-Sheet Single Pass Document Feeder (Standard):** Copy and scan jobs more efficiently with single-passcolour duplex scanning — up to 220 ipm in duplex mode.

8 **Full-Colour WVGA Control Panel (Standard):** Navigate from job to job easily with fingertip control via the post mounted, intuitive touch screen.

9 Status Light Pole (Standard): Visually alert operators to changes in system status for prompt attention.

10 Automatic Duplexing (Standard): Save paper and filing space with standard automatic duplexing that runs at the same speed as one-sided output.

11 Oversize and Heavy Media Support: Accept 13" x 19.2" paper sizes and heavy media (up to 300g/m^2. Cover through the Bypass Tray and the RT4030 LCT) to give you many more options for in-house production.

12 Paper Trays (Standard): Standard paper sources include the tandem 2 x 1,250-Sheet Paper Tray, two 550-Sheet Paper Trays and 250-Sheet Bypass Tray for a total paper capacity of 3,850 sheets. With additional paper sources, this system can hold up to 8,250 sheets.

13 Active Tray Indicators (Standard): Indicator light shows which tray is in use, allowing operators to refill other paper sources while the system is running.

14 RT4030 and RT4020 Large Capacity Trays (Optional): The RT4030 2,200-Sheet LCT utilizes a straight paper path to help reliably feed up to 300 g/m^2 and up to 13" x 19.2" sheets. Choose the RT4020 4,400-Sheet LCT to handle paper sizes up to 8.5" x 11" and up to 216 g/m^2.

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GENERAL

Print/Copy Process:	4 drum dry electrostatic transfer system with internal transfer belt
Fusing:	Oil-less belt fusing method
System Memory:	320GB (160GB x 2)
Document Feeder:	100-Sheet SPDF with single-pass colour duplex scanning at up to 220 ipm
Control Panel:	Full-colour 9" WVGA touch panel
Copy Resolution:	600 dpi
Print Resolution:	1200 x 4800 dpi
Scan Resolution:	600 dpi
Scan Speed (FC/B&W):	Simplex: 120 ipm; Duplex: 220 ipm
Maximum Print Area:	Up to 323 x 480mm
Warm-Up Time:	Less than 299 sec.
Output Speed:	Pro C5100s: 65 ppm (FC/B&W) Pro C5110s: 80 ppm (FC/B&W)
Paper Capacity:	Tray 1: 1,250 x 2; Trays 2 – 3: 550 x 2; Bypass Tray: 250 sheets; Supports duplex; Total Standard/Maximum: 3,850/8,250 sheets
Paper Size:	Tray 1: A4; Trays 2 – 3: 5.5"x 8.5"– 13"x19.2"; Bypass: 5.5"x 8.5" – 13"x19.2", Envelopes
Paper Weight:	Tray 1 – 3: 52.3 – 256 g/m^2 Bypass Tray: 52.3 – 300g/m^2 Duplex: 52.3 – 256g/m^2
Maximum Monthly Volume:	150K
Duty Cycle:	300K
Power Requirements:	220-240V, 10-12A, 50/60Hz
Maximum Power Consumption:	Less than 2,400W
Dimensions (WxDxH):	835 x 880 x 1,230mm (including SPDF)
Weight:	Less than 261 kg

COPIER FEATURE

Resolution:	600dpi / 4bit
Quantity Indicator:	Up to 9,999
Reduction Ratios:	93%, 87%, 82%, 71%, 61%, 50%, 25%
Enlargement Ratios:	115%, 122%, 141%, 200%, 400%
Zoom:	From 25% to 400% in 1% step

SCANNER FEATURE

Resolution:	100 / 150 / 200 / 300 / 400 / 600dpi 200dpi as a default
Scan Speed (SPDF):	B/W: 120(simplex) / 220(duplex) (A4/LET LEF / 200dpi / 300dpi -1bit) Colour: 120(simplex) / 220(duplex) (A4/LET LEF / 200dpi-4bit / 300dpi-4bit)
Max Scan Area:	297 x 432mm

PRINTER FEATURE

CPU:	1.86GHz Intel® Celeron® Processor P4505
Standard:	USB Type A (back 2 ports, operational panel 1 port) USB Type B (1 port) Ethernet (1000 Base-T/ 100 Base-TX/ 10Base-T) SD slot
Standard:	IE1284 ECP, IEEE802.11a/b/g/n, Bluetooth
RAM:	2.5GB
Hard disk:	160GB x 2 (Usable area)
Network Protocol:	TCP/IP (Standard) IPX/ SPX (with NetWare option)

Network Operating Systems:	Windows XP/Vista/7/Server 2003/Server 2008/ Server 2008R2 Netware 6.5 with Netware option Unix: Sun Solaris, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX, Mac OS X v.10.2 or later SAP R/3, NDPS Gateway IBM iSeries/AS/400-using OS/ 400 Host Print Transform
Printer Languages:	Standard: PCL5c, PCL6(XL), PDF, XPS Optional: Adobe PostScript3, IPDS
Printer Resolution:	1,200 dpi x 4,800 dpi

COLOUR CONTROLLER (OPTION)

Fiery E-22B

Configuration:	Embedded
CPU:	Intel Processor G850 2.9GHz
Memory:	2GB
HDD:	500GB
DVD-ROM Drive:	N/A
Operating System:	Linux
Network Protocol:	TCP/IP (IPv4, V6).SMB
PDL:	PS 3 PCL 5c PCL 6
Supported Data Format:	PDF, TIFF, JPEG
VDP:	Fiery Free Form v.1
Print Resolution:	1200dpi 2 bit
Font:	PS3: 136+2MM PCL: 80
Network Interface:	Ethernet 1000Base-T/100Base-TX/10Base

Fiery E-42B

Configuration:	Optional (external)
CPU:	Intel i5-2400 3.1GHz
Memory:	4GB
HDD:	1TB
DVD-ROM Drive:	Supported
Operating System:	Windows 7 Professional for Embedded System x32/64
Network Protocol:	TCP/IP (IPv4, v6) SMB
PDL:	PS 3 PCL 5c PCL 6
Supported Data Format:	PDF, TIFF, JPEG
VDP:	PPML v2.2 Fiery Free Form v.1/v.2.1 PDF/VT-1 PDF/VT-2
Print Resolution:	1200dpi 2bit
Font:	PS3: 136 + 2MM PCL: 80
Network Interface:	Ethernet 1000/100/10base-T

OTHER OPTIONS

Ricoh Compact Digital Light Production Printer with optional Plockmatic Bookletmaker, Booklet Finisher (3,000 sheets), GBC, EFI Light CTL, EFI Server CTL, Cover Feeder, 2-source Cover Interposer, Multi Folding, Buffer Pass Unit, Decurl Unit, A4/LT LCT, A3/DLT LCT and Output Tray

WORKFLOW SOLUTIONS

EFI™ Color Profiler Suite, EFI™ Fiery® Graphic Arts Package Premium Edition, EFI™ SeeQuence Compose, SeeQuence Impose, SeeQuence Suite, DirectSmile®, Objective Lune PlanetPress, Objectif Lune PrintShop Mail, Ricoh TotalFlow: Prep, Print Manager, Production Manager & Path.

ENVIRONMENTAL INFORMATION

Pro C5100S/C5110S comply with Energy Star 1.1 standards.

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