Ricoh Pro C901/C901s
Graphic Arts +

Production Printer
✓ Printer  ✓ Copier  □ Facsimile  ✓ Scanner

monochrome and full-color

RICOH
imagine. change.
The power to meet any high-volume challenge

Trust the RICOH® Pro C901/C901s Graphic Arts + to deliver exceptional quality and performance no matter how large or complex your applications. Robust engine construction provides the reliability and durability your production-class environment needs. Wide media versatility and professional in-line finishing options expand the range of jobs that you can accept. Powerful EFI Fiery print controllers offer advanced color and job management tools to execute sophisticated document assembly and VDP workflows with ease. The RICOH Pro C901s adds integrated full-color scanning, copying, and document storage to meet image capture and print-on-demand requirements. Both systems also employ Ricoh's next-generation oil-free imaging technologies to produce output with near-offset quality while minimizing costs.

The RICOH Pro C901/C901s Graphic Arts + — it's up to any challenge.
Maximum productivity for high-volume environments

Quality, flexibility and productivity
Print at 90 ppm regardless of media type, weight or when duplexing — and always at 1200 x 1200 dpi (productivity may be affected with paper weights between 300–350 g/m²). Ricoh’s PxP™ chemical toners and oil-free fusing technology deliver near-offset results with smaller, more uniform toner particles for sharper images and better fills with a matte finish. Quickly replace high-capacity toner bottles and reload paper trays while running for uninterrupted performance. Achieve consistent image quality with advanced image stabilization, single direction development, mechanical paper registration, enhanced fusing technologies, automatic calibration adjustments, and more.

Wide variety of media handling features
Execute full-bleed printing with support for media up to 13” x 19”. Expand capacity with up to 7 media pick points and a maximum of 11,000 sheets. Create durable direct mail, cards, menus, and booklet covers with support for heavy and textured media — even duplex onto stocks up to 350 g/m². The new Paper Library feature lets you apply settings by selecting a preset or custom media type to optimize quality and minimize mistakes (integrates with Fiery Paper Catalog on a connected EFI controller). Ensure precise paper feeding with Air-Assist Feeding technology while built-in De-Curling, Paper Registration, and Skew Control provide accurate registration. Configure your system with professional in-line finishing options to fully automate binding, punching, and stacking for up to 13,000 pages.

Production-class construction and performance
Handle the toughest workloads and diverse workflows with maximum reliability and dependability. The welded steel frame provides exceptional strength to handle up to 350,000 impressions per month. Reduce costs and maintenance requirements with long-lasting supplies and consumables. Each toner bottle is replaced individually in seconds and yields up to 67,000 pages at a realistic 8.75% coverage factor. Operate at peak efficiency with Trained Customer Replaceable Units (TCRUs) that maximize system uptime by enabling trained customers to replace key imaging components without waiting for service. Process volumes of hardcopy originals with a full suite of image-capture, digital copying, print-on-demand, and electronic document distribution functions. Command attention with an elevated Operator Call Light that’s visible from any point of view.
Professional Inline Finishing Capabilities: Choose from a variety of finishing options to design a complete end-to-end document production solution that matches your applications. In-line finishing maximizes system speed and reduces labor costs, allowing your staff to be more productive and your business more profitable. The SR5000 Finisher (shown) brings production-level finishing to high-volume environments with 100-sheet multi-position stapling, optional hole punching, plus a 3,000-sheet Shift Tray for long periods of unattended operation. For more advanced finishing needs, the RICOH Pro C901/C901s offers these professional binding options:

- **RB5000 Ring Binder**: Automatically punches, collates and applies your choice of two ring sizes to 50-100 sheet documents.
- **SR5020 Booklet Finisher**: Offers multi-position stapling of up to 100 sheets, stacking of up to 2,500 sheets, saddle-stitch finishing and folding — plus an optional Trimmer Unit for a flush finished edge.
- **GBC StreamPunch Pro**: Provides a variety of interchangeable die sets to punch pages individually, then bind off-line.
- **GB5000 Perfect Binder**: Hot glues books up to 400 pages with cover, and three sided trim.
- **Full Automatic In-line Booklet Maker**: Ricoh’s partnership with Plockmatic International AB provides in-line finishing, folding and 3-side trimming of booklets up to 30 sheets.

High-Capacity Stacker: Enable longer unattended jobs with a 5,000-sheet stacking capacity. Add a second optional High Capacity Stacker unit in a tandem configuration to provide an enormous 10,000-sheet stacking capacity. Each stacker includes one roll-away cart to easily move large volumes of output up to 350 g/m² for off-line binding or packing and shipping. For added security, the stacker door can be locked when printing valuable documents such as financial instruments, voting ballots, diplomas, and coupons.

Simplified Toner Replenishment: Easily replace high-yield toner bottles in one step. Featuring a sub-hopper design, users can replace supplies while the system is running for non-stop productivity.

Main Unit: Maximize productivity at 90-ppm/ cpm. Solidly built for lasting value, this heavy-duty engine provides 1200 dpi image quality and supports media up to 350 g/m². Ricoh’s integrated @Remote diagnostic solution automates meter reading and enables proactive service and support for maximum uptime.
5 Elevated Operator Call Light: Visually alert operators to changes in system status for prompt attention.

6 User-Friendly Job Programming: The intuitive control panel features a full-color 10.4" touch-screen LCD and clearly organized function keys for simplified operation. Easily manage system functions and job queues, and with the Pro C901s, control copy/scan settings and preview document storage/print-on-demand tasks right at the device.

7 High-Speed Full-Color Scanning with 100-Sheet ADF: Quickly capture hardcopy originals for copying, editing, storage, or electronic document distribution. The Automatic Document Feeder scans stacks of images as fast as 75 originals-per-minute in full-color, grayscale, or black & white to put users in total control of file size and image quality for every application. (Standard on the RICOH Pro C901s only.)

8 4,000-Sheet Large Capacity Tray with Air-Assist Feeding: Dual 2,000-Sheet drawers accept media up to 13" x 19" for the production of full-bleed pages with space for crop marks and color bars. Built in Air-Assist technology provides reliable feeding of very thin as well as coated stocks up to 350 g/m² in weight. (Standard on the RICOH Pro C901s, optional on the RICOH Pro C901).

9 500-Sheet Multi-Bypass Tray: Conveniently feed stocks for inserts, colored pages, special media, or short-run jobs without changing an in-line paper source. The Multi-Bypass Tray rests on an optional 13" x 19" Large Capacity Tray.

10 Secondary Large Capacity Tray (Optional): High-volume environments can add a second 4,000-Sheet Large Capacity Tray to raise media capacity to a maximum of 11,000 sheets for a virtually limitless supply. This option is required for configuration with the 500-Sheet Multi-Bypass Tray. Customers with 8.5" x 11" print-only workflows and mixed-media requirements can substitute the Letter Large Capacity Tray with three trays totaling 4,550 sheets.
Proven workflow solutions for every application

The brain behind the brawn
Ricoh’s premier Next Generation Architecture Controller is the brain behind the Pro C901/C901s. This powerful integrated controller is dedicated to maintaining optimal image quality and peripheral performance, managing media supplies, and enabling communication with administrators to securely configure network and device settings. In the RICOH Pro C901s, the Next Generation Architecture Controller also manages the system’s robust scanning, copying, and document storage and distribution feature sets.

Total control over processing and printing
Choose from two powerful EFI Print Controllers to suit your workflow, featuring the latest Fiery System FS-100Pro software. Streamline workflows with the latest job management tools such as EFI Command Workstation 5.4, HotFolders, Virtual Printers, plus Fiery JDF support for job ticketing standards, and more. Achieve precise color matching with other output devices or proofing applications with ColorWise Pro Tools and the Fiery Graphic Arts Package.
Manage complex assembly jobs with utilities such as Fiery Impose and Compose to simplify the production of paginated documents, define gang-up styles and delivery options, and more. Access a complete suite of embedded Fiery scanning and document distribution capabilities for paperless workflows.

Optimize performance for color-critical applications
Production environments with more sophisticated applications can step up to the EFI Fiery E-82 Print Controller to manage every job with graphic arts quality and exceptional speed. Leverage the Quad-Core architecture to speed the processing of large jobs or simultaneously RIP one file while processing another. Achieve precise color management with the standard Graphic Arts Package Premium Edition and other professional-grade tools for color calibration, matching, and proofing.
Specify up to 250 Spot Colors per page, identify ICC profiles, and choose from a number of improved color simulation methods for exact color reproduction. Generate error-free PDFs from any file with Adobe® PDF Print Engine (APPE 2.5). Eliminate missing graphic elements caused when files include tables, multiple layers, or text builds.
### EFI Fiery E-42 Print Controller Specifications

<table>
<thead>
<tr>
<th>Configuration</th>
<th>External Print Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Version</td>
<td>Fiery System FS-100Pro</td>
</tr>
<tr>
<td>CPU</td>
<td>Intel i5-2400 3.1GHz</td>
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<tr>
<td>Print Resolution</td>
<td>1200 x 1200 dpi</td>
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<tr>
<td>Memory</td>
<td>2GB x 2 DDR2</td>
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<tr>
<td>Paper Tray</td>
<td>1 TB</td>
</tr>
<tr>
<td>DVD RW Drive</td>
<td>Drive Supported</td>
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<tr>
<td>Operating System</td>
<td>Windows 7 Professional for Embedded Systems x32/x64</td>
</tr>
<tr>
<td>Network Protocols</td>
<td>TCP/IP (IPv4, IPv6), SMB</td>
</tr>
<tr>
<td>Standard Interface</td>
<td>1000/100/10Base-Tx2 Ethernet</td>
</tr>
<tr>
<td>Printer Languages/Drivers</td>
<td>PostScript 3, PCL 5c, PCL 6</td>
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<tr>
<td>Fonts</td>
<td>PCL: 80 fonts, PostScript 3: 136 + 2 MM fonts</td>
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</table>

### EFI Fiery E-82 Print Controller Specifications

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<tr>
<td>System Version</td>
<td>Fiery System FS-100Pro</td>
</tr>
<tr>
<td>CPU</td>
<td>Intel Xeon (Quad-Core) Xeon E5-2643 3.3GHz x 2</td>
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<tr>
<td>Print Resolution</td>
<td>1200 x 1200 dpi</td>
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<tr>
<td>Memory</td>
<td>2 GB x 4</td>
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<tr>
<td>Paper Tray</td>
<td>1TB x 2 SATA / RAID 0 (For data) 500GB x 1 SATA (For OS)</td>
</tr>
<tr>
<td>DVD RW Drive</td>
<td>Supported</td>
</tr>
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<td>Adobe PostScript 3</td>
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### Imposition & Document Management Utilities

- Mixed Media, Paper Catalog, Tab Shift, Insert Tab, Booklet Maker 4.0, Impose
- Composition, Fiery Graphic Arts Package
- Premium Edition, HDD Kit, FACI/Furniture Kit, Color Profile Suite
- Fiery Color Wise 4.0
- Fiery FreeForm
- Fiery VD Resource Manager

### Software Utilities

- Web Image Monitor, @Remote
- Web Image Monitor, @Remote

### Next Generation Architecture Controller Specifications

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<tr>
<td>System Version</td>
<td>Fiery System FS-100Pro</td>
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<tr>
<td>CPU</td>
<td>Intel Pentium M 1.4 GHz</td>
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<td>Memory</td>
<td>Pro C901: 1.5 GB RAM Standard</td>
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<tr>
<td>Hard Disk Drive</td>
<td>Pro C901s: 2.5 GB RAM Standard</td>
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<tr>
<td>Standard Interfaces</td>
<td>640 GB Hard Disk Drive standard</td>
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<tr>
<td>Protocol Support</td>
<td>0/100Base-TX Ethernet x 2, USB 2.0, SD Card Slot x 2, Counter Interface Slot</td>
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<tr>
<td>Scanning</td>
<td>Network: TCP/IP, Scan-to-Email: SMTP, POP3, Scan-To-Folder: SMB, FTP, NCP</td>
</tr>
<tr>
<td>Optional Utilities</td>
<td>FACI/Furniture Kit, HDD Kit, Color Profile Suite</td>
</tr>
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</table>

### VDP Support

- Fiery Fiery FreeForm
- Fiery VD Resource Manager
- Faci/Furniture Kit, HDD Kit, Color Profile Suite

### Color Management & Proofing Utilities

- Fiery Graphic Arts Package
- Fiery Color Wise 4.0
- Fiery Fiery FreeForm
- Fiery VD Resource Manager

### Next Generation Architecture Controller Specifications

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### Scanning

- Fiery Scan (Scan-to-Email/FTP/SMB/ Hold Queue-1/fax/Mailbox), Fiery Remote Scan
- Compose, Fiery Graphic Arts Package
- Premium Edition, HDD Kit, FACI/Furniture Kit, Color Profile Suite

### Software Utilities

- Web Image Monitor, @Remote
- Web Image Monitor, @Remote

### Information

- **Ricoh Pro C901/C901s**
- **Graphic Arts +**
Ricoh Pro C901/C901s Graphic Arts +
SYSTEM SPECIFICATIONS

General Specifications
Print Engine with Next Generation Architecture Controller: 2 x 1,000-Sheet Tandem Tray, 1 x 500-Sheet SADF, 2 x 2,000-Page Large Capacity Tray, and 10.4" LCD Touch Screen Operation Panel

Pro C901s Configuration
Print Engine with Next Generation Architecture Controller: 100-Sheet Automatic Document Feeder, 2 x 1,000-Page Tandem Tray, 1 x 500-Page SADF, 2 x 2,000-Page Large Capacity Tray, and 10.4" LCD Touch Screen Operation Panel

Input & Finishing Accessories
Automatic Document Feeder (ADF) [Standard on C901s only]

- Original Capacity
  - 100 sheets or stack less than 12mm
- Original Size
  - 5.5" x 8.5" to 13" x 19"
- Original Feeding Speed
  - 75-ppm in B&W / 55 ppm in Color
- Original Weight
  - Simplx: 11 - 34 Bond (42 – 120 g/m²)
  - Duplex: 14 - 28 Bond (52 – 105 g/m²)

Original Feeding Modes
Face up, top page scanned first

Scanning Modes
Face up, top page scanned first

RT5030 Letter Size Large Capacity Tray [Option for Pro C901 only]

- Total Capacity
  - 3 Trays / 4,550 sheets
- Tray Capacity
  - 3rd Tray: 2,000 sheets / Up to 130 lb Cover
  - 4th Tray: 2,000 sheets / Up to 130 lb Cover
- Media Size
  - Width: 8.1" – 12.6"; Length: 10.8" – 18"

RT5050 13" x 19" Large Capacity Tray

- Total Capacity
  - 2 Trays / 4,000 sheets
- Tray Capacity
  - 3rd Tray: 2,000 sheets / Up to 130 lb Cover
  - 4th Tray: 2,000 sheets / Up to 130 lb Cover
- Media Size
  - Width: 5.5" x 8.5" to 13" x 19"

BY5000 Multi Bypass Tray

- Capacity
  - 500 sheets
- Media Size
  - Width: 5.5" x 8.5" to 13" x 19"
- Media Weight
  - 16 Bond: 80 – 120 lb Cover (60 – 216 g/m²)

SR5000 3,000 Sheet Finisher w/100-sheet Stapler

- Proof Tray
  - Stack Capacity
    - Up to 500 sheets (8.5" x 11"
    - Media Size
      - Width: 8.1" – 12.6"; Length: 10.8" – 18"
  - Media Weight
    - 16 Bond: 80 – 120 lb Cover (60 – 350 g/m²)
- Shift Tray
  - Stack Capacity
    - Up to 500 sheets (8.5" x 11"
    - Media Weight
      - 16 Bond: 80 – 120 lb Cover (60 – 350 g/m²)
- Staple Capacity
  - Staple Position
    - On Top, Bottom, 2 Staples, Top Staple
- Staple Punching
  - Optional 2/3 Hole Punch Unit
- Hole Punching
  - Optional 2/3 Hole Punch Unit

Scanner Specifications
[Available for Next Generation Architecture Controller] (Available for Pro C901s only)

- Scan Resolution
  - TWAIN Scanning: 100 – 1,200 dpi (B&W and Color)
- Scan Modes
  - Scan to Files: BMP, JPEG, TIF, TIFF (Multi-Page), PDF (Multi-Page), Multi-page (Maximum Compression), JPEG Compression
- Scan Modes
  - SD/USB, Window, FTP, Web, Tray, RJ-Connect, Fax, Web/Txt, Photo, Multi-Page, Photo, Scan to Folder
- Max. Scan Area
  - 11" x 17" for B&W, 8.5" x 11" (4R) – 11" x 17" (A3)
- Scan Speed
  - 75 scans per minute (B&W & F/C, LR: 150 ppd)
- Scan Image Density
  - Auto (Medium) and Manual (7 levels)
- Scan Modes
  - Scan-to-Email with (LDAP support), Scan-to-USB, Scan-to-File, Scan-to-Folder (SMB/FTP/NCP), Scan-to-UPL, Scan-to-URL, Network TWAIN Scanning

Cooper Specifications
[Available for Pro C901s only]

- Scanner Type
  - Full-color CCD Array
- Original Types
  - Photos, Books, and 3D objects
- Document Feeder
  - 100-sheet ADF, 1-page ADF
- Multiple Coapers
  - 1 – 9,999
- First Copy Out Time
  - 13.5 seconds or less
- Copy Resolution
  - 1200 x 1200 dpi
- Multi-speed Copy
  - 60-cpm (F/C, LTR) (ADF 1 to 1)
- 80-cpm (B&W, LTR) (ADF 1 to 1)
- Magnification
  - 25% – 1600% in 1% increments
- Copier Features
  - Taper Reduction / Enlargement ratios

Security Specifications
[Using Next Generation Architecture Controller]

- HDD DataOverwrite Security
  - Encryption
    - User Authentication
      - User Codes, Copy Counter, Counterfeit Prevention

Additional Accessories
- Bridge Unit
  - For tandem RT5050 connection
- Buffer Pass Unit
  - Cools paper to prevent toner adhesion
- Tandem Tray Converter
  - Feeds 11" x 17" via Tray 2
- Tab Sheet Unit
  - Feed tab stocks via Tray 2
- Counter Interface Unit

Consumables
- C/M/Y/K Toner Cartridges
  - Yield: 220,000 pages/bottle
  - Waste Toner Bottle
  - *Declared yield values based on 8.75% image coverage factor.

Optional Uptime Components

- TRU Kit
  - Trained Customer Replacement Parts

Remote diagnostic
Remote troubleshooting

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