# CL5000

THE RICOH **color printer** SERIES

Aficio®

RICOH®
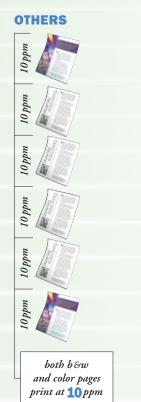
# RICOH®

## The Ricoh® Aficio® CL5000 Color Printer makes your workgroup more productive

Printing speed is important, but it needs to be combined with automated features that leave documents finished and ready to distribute.

- **36 ppm black & white/10 ppm color output** – one of the fastest workgroup laser printers on the market.

- **On-line document finishing** – measuring productivity doesn't end at pages printed per minute and the CL5000 produces collated and stapled documents with no user intervention.

*With a first print out time of less than 18 seconds for full color and 7½ seconds for BW, chances are that the CL5000 will be waiting for you to pick up the document.*

**Optimized Output Speed**

|OTHERS|CL5000|
|---|---|
|10ppm|10ppm|
|10ppm|36ppm|
|10ppm|10ppm|
|10ppm|36ppm|
|10ppm|10ppm|
|10ppm|36ppm|

*both b&w and color pages print at 10 ppm*

*only color pages print 10 ppm, and b&w at 36 ppm*

## Enhance your image

The CL5000 produces vibrant full color images with exquisite detail, smooth tonal transitions, and crisp text. All of your documents will stand out with a professional finish.

- Enhanced **1800 x 600 dpi** reproduces highlight and shadow detail with astounding results.

- **Ricoh's ultra-fine toner** and innovative elastic transfer belt ensure even coverage on solids, and maximum adhesion between toner and substrate so your prints always look their best.

- **Fine Line mode** in the RPCS driver optimizes the printing reproduction of ultra-fine lines as in CAD drawings, so that it prints out sharply and clearly.

## Paper handling... it's all about versatility

The CL5000 handles all standard papers and media used in applications for the general office. Imagine, one printer that meets your full range of needs.

- Paper sizes from **5¹/₂″ x 8¹/₂″on up to 12″ x 18″** and weights from **16 lb. Bond to 90 lb Index**.

- **Automatic duplexing** saves paper and produces professional looking documents.

- The **500-sheet finisher** automatically sorts collates, and staples documents up to 30 pages. Or install the **4-bin mailbox** and route documents to any bin, each of which holds up to 125 sheets.

- With the CL5000, there are no interruptions to reload paper because it supports three separate trays with a **maximum capacity of 1,350 sheets**.

## Expanding your network

The CL5000 comes standard with **10/100 BaseTX Ethernet and USB 2.0 port**, which support the most common protocols including TCP/IP, IPX/SPX, AppleTalk, and NetBEUI. The **Internet Printing Protocol v.1.1 (IPP)** is also supported, which enables remote employees to print to a CL5000 over the Internet.

Two versatile networking options are available with the CL5000. First, there is the **IEEE 1394 interface**, a high-speed serial interface that is capable of transfer rates of up to 400 Mbps and is quickly becoming a standard on PCs. Next, there is the **IEEE 802.11b Wireless LAN interface,** eliminating the need to be tethered to the network for printing.

**Print 11 x 17 Full Bleed on 12 x 18 Paper for Fast Two Page Color Proofs**

*A wide range of applications, from newsletters to stationery, at the click of a mouse.*

Ricoh's SmartNetMonitor is a desktop utility that constantly provides the status of the CL5000 – if printing is in progress or complete, or if a particular paper tray is empty. Furthermore, SmartNetMonitor through the **Recovery Printing** feature, enables you to automatically switch to another networked Ricoh printer if the CL5000 is unavailable. SmartNetMonitor also features **Parallel Printing**, which enables you to coordinate the printing capacity of multiple CL5000's on the same network.

The **high-capacity toner cartridges** won't need to be replaced very often, but when they do, users can just slide them out from the front and plug in a new one. And the CL5000 fuser oil is in a spill-proof container, so there's no mess!

**optional 500-sheet finisher**

**optional 4-bin mailbox**

**optional duplex unit**

## Combining convenience with ease of use

The CL5000 was designed for ease of use and simple maintenance. Next, the CL5000 comes standard with three page description languages (PDL) to suit every need: Adobe PostScript 3; PCL 5c emulation; and, Ricoh's RPCS. Each PDL is intuitive and menu driven, so that all operations are a simple mouse-click.

Automated features like **automatic page-detection** and **automatic tray switching** enable users to send different types of documents and not worry about paper orientation or size in a specific tray. The CL5000 automatically adjusts image orientation to fit the paper or will switch to an alternate paper tray if the default tray runs out of paper.

**bypass tray**

**standard 250-sheet tray**

**optional 500-sheet trays**

Aficio®

# THE RICOH AFICIO
# CL5000

## General Specifications      Part # 400691

| | |
|---|---|
| **Configuration:** | Desktop printer |
| **Technology:** | Dual laser beam, electrophotographic printing and mono-component toner development |
| **Resolution:** | 600 x 600 dpi, 2 bits/pixel; 1800 x 600 dpi enhanced |
| **Printing Speed:** | Full-color: 10 ppm (8 ¹⁄₂" x 11"); 4 ppm (Thick media) Black-and-White: 36 ppm (8 ¹⁄₂" x 11"); 6.5 ppm (Thick media) |
| **Duplex Print Speed:** | More than 95% of the simplex imaging speed |
| **First Print Speed:** | Less than 18 seconds full color; less than 7.5 seconds black & white |
| **Dimensions (WxDxH):** | 25.0" x 26.4" x 18.5" (636 x 670 x 470mm) Note: Dimensions include bypass tray and controller box |
| **Weight:** | 130 lbs. (59kg.) Note: Includes starter toner cartridges and maintenance kits |
| **Input Capacity:** | 100-sheet bypass tray 250-sheet tray Up to 1,350 sheets total capacity |
| **Output Capacity:** | Standard: 400 sheets (250 sheets of 11" x 17") Optional 500-sheet finishing unit Optional 4-bin mailbox: 125-sheets x 4 bins |
| **Paper Sizes:** | Trays: 5 ¹⁄₂" x 8 ¹⁄₂", 7 ¹⁄₄" x 10 ¹⁄₂", 8" x 13", 8 ¹⁄₂" x 11", 8 ¹⁄₂" x 14", 11" x 17", A3, A4, A5, A6, B4, B5, B6 Bypass tray: 5 ¹⁄₂" x 8 ¹⁄₂" to 12" x 18", Com 10, Monarch, C6, C5, DL envelopes, and custom sizes (90 x 148mm to 305 x 457mm) Optional trays: 5 ¹⁄₂" x 8 ¹⁄₂" to 11" x 17" (100 x 48mm to 297 x 432mm) |
| **Paper Weight:** | Trays: 17 to 28 lb. Bond (64 to 105g/m²) Bypass Tray: 17 Bond to 90 lb. Index (64 to 163g/m²) Optional Trays: 17 to 34 lb. Bond (64 to 128g/m²) |
| **Paper Types:** | Plain paper, Card Stock, OHP, envelopes, labels For recommended media, consult your Ricoh representative |
| **Duplex Printing:** | Optional |
| **Power Consumption:** | 1,500W or less Energy Star Mode: 35W or less |
| **Warm-up Time:** | Less than 99 seconds |

## Controller Specifications

| | |
|---|---|
| **CPU:** | RM5261 250 MHz |
| **Printer Languages:** | Adobe PostScript 3, PCL 5c emulation and Ricoh RPCS (Refined Printing Command Stream) |
| **Fonts:** | PCL 5c: 35 Intellifonts, 10 TrueType fonts, 1 Bitmap font (31 fonts can be downloaded using Agfa Font Manager) Adobe PostScript: 136 Adobe Type 1 fonts |
| **Memory:** | 64MB RAM; expansion up to 384MB Note: Standard 64MB must be removed to install maximum 384MB RAM |
| **Standard Interfaces:** | 10/100 BaseTX Ethernet; USB 2.0, IEEE 1284 compliant Parallel port |
| **Optional Interface:** | IEEE 1394, IEEE 802.11b |
| **Network Protocols:** | TCP/IP, IPX/SPX, NetBEUI, AppleTalk, IPP (Internet Printing Protocol) For Unix support, visit www.ricoh-usa.com/download |
| **Management Utility:** | SmartNet Monitor, Web Status Monitor, Print Utility for Mac |
| **Driver:** | PCL 5c: Win 95/98/Me/NT4.0/2000/XP PS: Win 95/98/Me/NT 4.0/2000/Mac 8.6, 9.x, 10.1.x/Unix RPCS: Win 95/98/Me/NT 4.0/2000/XP |

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## Controller Options

**Hard Disk Drive (20 GB minimum)**      Part # 001405MIU
HDD is necessary for the Locked Print (Secure Printing), Sample Print and permanent font downloading. Either HDD or total 128MB memory recommended for Electronic Sorting function.

**IEEE 1394 Interface Board Type 4510**      Part # 400745
| | |
|---|---|
| **Included Cables:** | 2.0m 6pin to 6pin cable, 2.0m 6pin to 4pin cable |
| **Hardware Specifications:** | 6 pins; 2 ports available |
| **Data Transmission Speed:** | 100/200/400 Mbps |
| **System Requirements:** | Windows 2000 Professional/Server with Service Pack 1 Minimum 128MB memory is required. |

**Memory Options:**
144-pin DIMM; SDRAM (PC133 compliant)
64MB    (Part #001178MIU)
128MB   (Part #001179MIU)
256MB   (Part #001180MIU)

**User Account Enhancement Unit Type B**      Part # 400570
Up to 400 user codes
Requires SmartNetMonitor 5 or higher

**IEEE 802.11b Wireless LAN Interface Type A**      Part # 400779
**Data Transmission Speed:** 1/2/5.5/11 Mbps
Note: Cannot be used simultaneously with 10/100 BaseTX Ethernet must be manually selected at printer control panel.
Part # will change to 402001 in Feb 03

## Optional Paper Handling Accessories

| | | |
|---|---|---|
| **Paper Input Options:** | 500 sheets x 1 tray Up to two trays can be installed | Part # 400709 |
| **Automatic Duplex Unit:** | Paper Sizes: 5 ¹⁄₂" x 8 ¹⁄₂" to 11" x 17" (A3 to A5) Paper Weights: 17 lb. to 28 lb. Bond (64 to 105g/m²) Note: Requires installation of Interchange unit. | Part # 400700 |
| **500-sheet Finisher:** | Paper Sizes: 8 ¹⁄₂" x 11" to 11" x 17" (A3 to A4) Paper Weights: 17 to 34 lb. Bond (64 to 128g/m²) Normal mode capacity: 500 sheets letter, 20 lb. Bond, 250 sheets legal, 11" x 17" Staple Capacity: Up to 30 sheets Note: Requires installation of Interchange unit. Cannot be installed simultaneously with 4-bin Mailbox. | Part # 400712 |
| **4-bin Mailbox:** | Paper Type: Plain, 8 ¹⁄₂" x 11" to 11" x 17" (A3 to A4) Paper Weight: 16 to 34 lb. Bond (60 to 128g/m²) Stack Capacity: 125 sheets per bin Note: Requires installation of Interchange unit. Cannot be installed simultaneously with 500-sheet Finisher. | Part # 400706 |
| **Interchange Unit:** | Required with installation of Auto Duplex Unit, Finisher or 4-bin Mailbox | Part # 400703 |

## Supplies   Yields are based upon 5% coverage on letter size

| | |
|---|---|
| Black Toner Type 110 @ Approx. 18,000 pages | Part # 885325 |
| Cyan Toner Type 110 @ Approx. 10,000 pages | Part # 885328 |
| Magenta Toner Type 110 @ Approx. 10,000 pages | Part # 885327 |
| Yellow Toner Type 110 @ Approx. 10,000 pages | Part # 885326 |
| Black Development Unit Type 5000 @ Approx. 120,000 developments | Part # 400722 |
| Color Development Unit Type 5000 @ Approx. 60,000 developments | Part # 400723 |
| Fusing Unit Type 5000 @ Approx. 120,000 pages | Part # 400724 |
| Fusing Oil Type 5000 @ Approx. 30,000 pages | Part # 400720 |
| Waste Toner Bottle 1 Type 5000 @ Approx. 50,000 developments | Part # 400719 |
| Waste Toner Bottle 2 Type 5000 @ Approx. 120,000 developments | Part # 400868 |
| Photo Conductor Unit @ Approx. 120,000 developments | Part # 400721 |
| Ricoh Staples Type G | Part # 410133 |

Specifications and external appearances are subject to change without notice. For maximum performance and yield, we recommend using genuine Ricoh parts and supplies. Print speed may be affected by network, application or PC performance. Products are shown with optional features.

- **250-Sheet Paper Tray**
- **100-Sheet Bypass Tray**

- **Optional Duplex Unit**

- **4-Bin Mailbox**
- **500-Sheet Tray x 2**

- **Optional 500-Sheet Finisher**
- **500-Sheet Tray x 2**

# RICOH®
## Image Communication

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Printed in U.S.A on recycled paper because Ricoh cares.

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