G700/G500

THE RICOH AFICIO G700/G500 FOR BUSINESS

THE RICOH

Color Printer
series

GelSprinter ™

Aficio ®

RICOH ®

GelSprinter technology

the *fast*, **affordable**
printing innovation for business

Color Printer for Business

Color printers usually fall into one of two categories: slow photo application inkjet printers with little to no paper-handling capability, or fast laser printers with total ownership costs that can add up quickly. Now – with the introduction of the revolutionary RICOH® Aficio® G700 and G500 printers – a whole new color category exists. One with the speed of laser printing but with minimal cost.

- *High-quality printing on plain paper*

- *High-speed black & white and color printing*

- *Fast, economical duplexing (optional for the G500)*

- *Ample standard paper capacity: 201 sheets - G700 200 sheets - G500*

- *Cost-efficient Level Color mode*

- *Optional input tray (max. 701 sheets for the G700 only)*
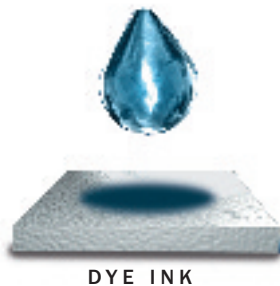
- *Optional network print server*

A technology combination you won't find anywhere else

The combination of fast-drying viscous ink, revolutionary wide print heads, and a reliable transfer belt-feeding system, makes the G700 and G500 printers unlike anything on the market today.

GelSprinter viscous ink revolution

Now you can print on plain paper with ink that is anything but ordinary. Unlike other inkjet printers, which use dye-based or pigment-based inks, the G700 and G500 printers use a fast-drying viscous ink. Using viscous ink you can:
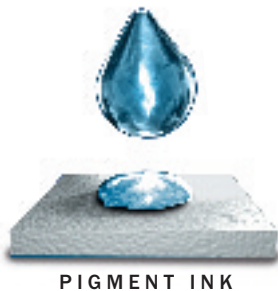
• Produce laser-like quality prints on plain paper
• Print in duplex mode without bleeding through
• Highlight text with less ink smearing and smudging
• Produce more durable waterproof and sunlight-resistant prints.

GelSprinter Viscous Ink

GelSprinter Belt-Feeding System

GelSprinter Wide Print Head

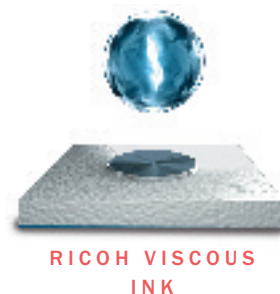## The difference is in the ink

Dye ink
Upon contact with paper, dye-based ink permeates the fibers and bleeds, causing blurred images.

DYE INK

Pigment ink
Pigment-based ink takes longer to dry and fix to the paper.

PIGMENT INK

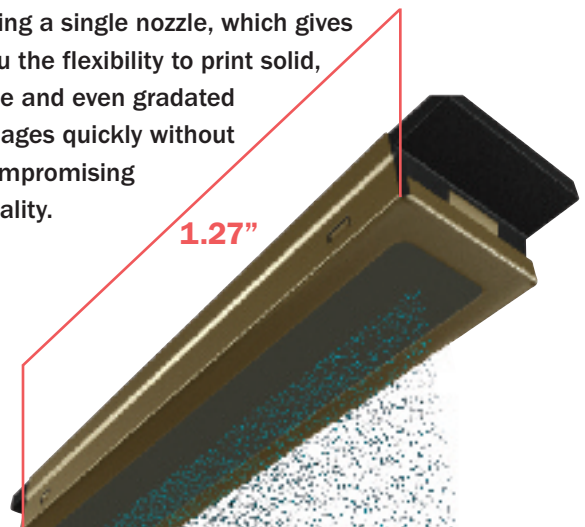### GelSprinter Viscous ink
Liquid viscous ink dries as soon as it comes into contact with paper, dramatically reducing blurs and bleeding.

RICOH VISCOUS INK

GelSprinter powerful, wide print heads

New, wider print heads are the driving force behind the G700 and G500 printers. They not only allow for the use of viscous ink, but also distribute ink to a larger area with more power than typical inkjet technologies — meaning you can achieve both high-speed and high-quality prints on plain paper from the same affordable system. Plus, with these unique print heads, ink drop size can be controlled using a single nozzle, which gives you the flexibility to print solid, fine and even gradated images quickly without compromising quality.
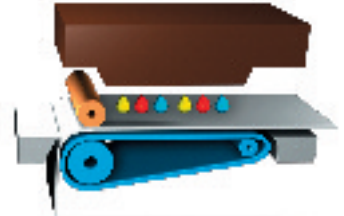
1.27"

GelSprinter Reliable Belt-Feeding System

The electrostatically-powered belt-feeding system provides benefits not found in other inkjet printers. The belt-feed design...

- Keeps paper secure as it moves through the system, resulting in less curling and rippling, and, ultimately, less misfeeds, even with duplex mode
- Allows for a wider print area through the use of static electricity that holds each sheet of paper firmly in place *(Conventional inkjet printers use rollers to grab each sheet of paper reducing the amount of printable area)*
- Provides fast, affordable duplexing typically found only in more expensive laser printing technology.

Roller-Feeding System

GelSprinter Belt-Feeding System

The GelSprinter belt-feed system holds paper securely and accurately in place for clearer printing to a wider page area.
Typical roller-feeding systems leave the front and back paper edges hanging loose, making it difficult to print clearly near the page margins. Rollers can also create rippling, which causes paper jams at high-feed speeds.

The value of color for the price of black & white

The G700 and G500 printers feature Level Color, a print mode that automatically reduces the ink thickness of graphics and images while maintaining normal thickness for text. The result is clear, easy-to-read text combined with eye-catching color graphics and images at a cost per print that is about the same as black & white.

Features that put you first

The G700 and G500 printers are designed for business users on a budget.

- Separate ink chambers ensure ink is completely used before a cartridge change is required
- Print heads are designed to last for the life of the printer and never need replacement
- Ricoh RPCS driver lets you easily configure and monitor the printer from your PC.
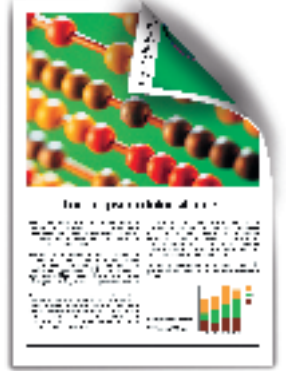
Connect to greater printing flexibility

The Ricoh RPCS Raster driver speeds printing via standard USB 2.0 or optional 10/100Base TX connectivity. And, to make managing print workloads as easy as possible, the G700 and G500 printers are equipped with five quality print modes: High Quality, Standard/Quality priority, Standard/Speed priority, High Speed Draft and Level Color.

GelSprinter technology
the fast, affordable printing innovation for business

GelSprinter viscous ink is quick dry, water-resistant, and can be printed on plain paper
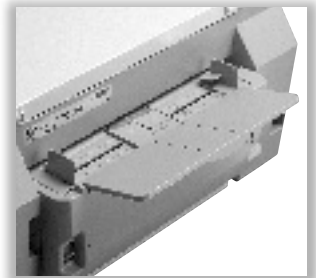
GelSprinter electrostatic belt-feeding system delivers better reliability, wider printable area, and proper alignment even for duplex prints

GelSprinter wide print head is 1.27 inches long and provides fast printing even when duplexing

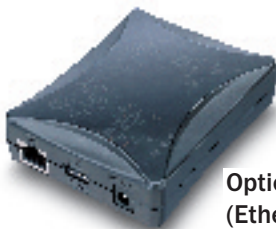Standard 200-sheet paper cassette (G700 and G500)

Individual color cartridges maximize ink use and minimize replacement costs

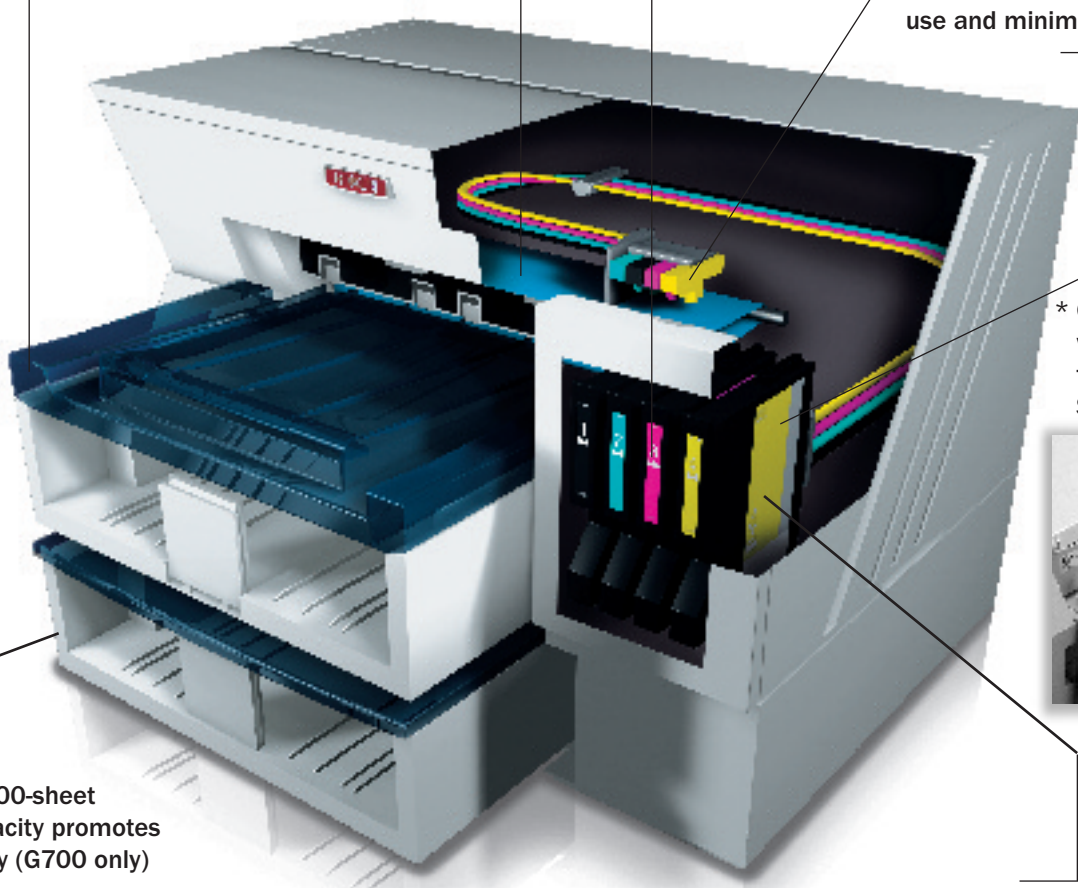* Optional Duplex Unit with Bypass Tray for G500 (1 sheet); Standard for G700

Optional 500-sheet paper capacity promotes productivity (G700 only)

Revolutionary viscous ink creates crisp black & white and vibrant color prints on plain paper (High-yield print cartridge is available only for G700)

Optional print server for networking (Ethernet 100Base-TX/10Base-T)

THE RICOH AFICIO
G700/G500

Specifications

Main Unit	G500	Part# 402274
	G700	Part# 402272

Configuration:	Desktop
Technology:	Piezo Inkjet System
Resolution:	True 1200 x 1200 dpi / 600 x 600 dpi / 300 x 300 dpi (2bit) Max. 3600 x 1200 dpi equivalent
Printing Speed*:	Aficio™ G500: 19 prints per minute B/W and color (Simplex) Aficio™ G700: 20 prints per minute B/W and color (Simplex) *Speed depends on the type of document and print mode selected. *Duplex printing speed is approximately 85% of Simplex speed.
First Print Speed:	Aficio™ G500 (B/W and color): 7.5/10 second or less Aficio™ G700 (B/W and color): 6/9 seconds or less
Dimensions (W X D X H):	Aficio™ G500: 15.87" x 17.32" x 8.58" (403 x 440 x 218 mm) Aficio™ G700: 19.29" x 18.47" x 8.58" (490 x 469 x 218 mm)
Weight:	Aficio™ G500: 22 lb. (9.8 kg) Aficio™ G700: 24 lb. (11 kg)
Warm-up Time:	30 seconds or less
Power Source:	100-120 V, 50/60 Hz
Power Consumption:	Aficio™ G500: 30 W Aficio™ G700: 35 W
Energy Saver Mode:	6 W or less
Duty Cycle:	Aficio™ G500: Up to 5,000 pages per month Aficio™ G700: Up to 10,000 pages per month
Paper Capacity:	Up to 201 sheets (G500) Up to 701 sheets (G700) Aficio™ G500: 200-sheet paper feed unit; 1-sheet bypass tray (optional as part of the duplex unit) Aficio™ G700: 200-sheet paper feed unit; 1-sheet bypass unit (standard as part of the duplex unit.)
Output Capacity:	150 sheets (face up)
Paper Size:	8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4, B5
Paper Weight:	16 – 28 lb. bond (60 – 105 g/m2)
Acceptable Paper Types:	Plain paper, inkjet plain paper, recycled paper, transparencies, envelopes (bypass tray only)
Safety Regulations:	UL60950, FCC Class B

Controller Specifications

CPU:	TMPR4955 AFG, 200 MHz
Printer Language:	Ricoh RPCS Raster
Memory:	Aficio™ G500: 8 MB Aftico™ G700: 16 MB
Standard Interfaces:	USB 1.1/2.0
Network Protocols:	TCP/IP, IPX/SPX
Drivers*:	RPCS: Windows® 95/98/Me/NT4.0/ 2000/XP/Server 2003* *To connect with Windows 95 / NT4.0 PC requires Network connection via optional print servers.

Options

Network Print Server: - Part # 002348MIU	
Silex PRICOM R-9100U	Ethernet 100 Base-TX/10 Base-T
Paper Feed Unit* - Part# 402276 *Only available for the G700	
Paper Size:	8.5" x 11", 8.5" x 14", 5.5" x 8.5", A4, A5, B5
Paper Weight:	16 – 28 lb. bond (60 – 105 g/m2)
Capacity:	500 sheets
Duplex Unit* - Part# 402275	
Paper Size:	8.5" x 11", 5.5" x 8.5", A4, B5 *Standard with the G700; Duplex is not available when paper is fed from Bypass Unit
Paper Weight:	16 – 28 lb. bond (60 – 105 g/m2)
Bypass Tray*:	Paper Size: 8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4, B5 Envelope: C5, C6, DL, COM10, Monarch Paper Weight: 16 – 43 lb. bond (60–163 g/m2) Capacity: 1 sheet *Bypass tray is part of the duplex unit; If the bypass tray is required for the G500, the duplex unit must be purchased.

Consumables*	Ricoh Part No.	Yield
Black Cartridge High Yield	402280	2,900 prints @ 5%
Cyan Cartridge High Yield	402279	2,000 prints @ 5%
Magenta Cartridge High Yield	402278	2,300 prints @ 5%
Yellow Cartridge High Yield	402277	2,300 prints @ 5%
Black Cartridge	402284	1,450 prints @ 5%
Cyan Cartridge	402283	1,000 prints @ 5%
Magenta Cartridge	402282	1,150 prints @ 5%
Yellow Cartridge	402281	1,150 prints @ 5%

*G700 and G500 ships with starter cartridges at 800 prints for Black Cartridge and
500 prints for Color Cartridges @ 5 %; Please note that yield is based on standard
(Speed Priority) mode. High-yield cartridges are available for G700 only.

*Specifications subject to change without notice.

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