



Printers for Endless Possibilities

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# ComColor FW5230

## The power of inkjet. Ultimate speed and efficiency.

Inkjet printers require no heat when printing unlike laser printers. ComColor FW5230 boasts ultra-fast print speed combined with a fast first print time to streamline printing, helping make busy work environments more efficient. Its ultimately low power consumption prevents paper from curling to reduce paper jams. And because output requires no cooling, pages can be sent immediately after printing to any of your optional finishers, vastly reducing production times.

### Advancements all around

#### High productivity for any workplace

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With print speeds at 120 ppm, duplex scanning and a rich feature set, ComColor FW5230 brings a new level of productivity to any workplace. You'll also appreciate its modest footprint — the ideal choice where space is at a premium. Affordable on-demand, full-color printing ensures smooth operation to increase efficiency.

#### Superb efficiency for high volume printing

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ComColor FW5230 is the right choice for low-cost color printing. Superb high-speed output combines with outstanding flexibility for cost-efficient in-house printing. It also goes easy on the environment thanks to the energy-saving design.

#### Excellent usability for every work environment

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The easy to use and intuitive user interface of ComColor FW5230 makes anyone a master of efficiency. Management and maintenance tasks are also simplified, ensuring speedy workflows and reduced downtime.

# High productivity for any workplace

## Ultra high-speed printing at 120 ppm

The amazingly fast print speed of 120 ppm in full-color allows ComColor FW5230 to significantly quicken high-volume print jobs.



Print Time for 1,000 A4-size Color Sheets (A4/letter-size, long-edge feed simplex)

<b>ComColor FW5230</b>	<b>Approx. 8 minutes</b>
Typical office laser printer	25 minutes*

\* At 40 ppm

Duplex printing shares this efficiency, reaching up to 120 ppm. Thanks to high-precision paper-feed control, ComColor FW5230 prints at the same speed for both simplex and duplex documents to boost productivity. The responsive first print time of only 5 seconds means less waiting for both short print runs and high-volume jobs.

The optional one-pass duplex scanner drastically enhances processing speed for scanning. You can load up to 200 sheets for quick scanning and copying of large documents.

## Compact design to fit any workplace

The compact print head and tray-free design make for a small footprint, allowing installation of ComColor FW5230 almost anywhere.



Two paper-feed trays are easily accessible and hold 500 sheets\* each while the standard tray handles 1,000 sheets.\* This equals a paper capacity of 2,000 sheets\* in a slim body.



\* When using plain paper or recycled paper (85 gsm (23-lb bond))

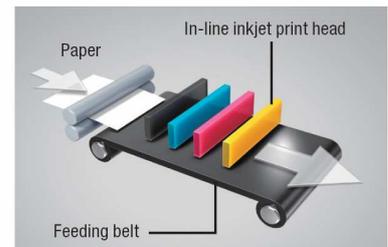
## Reliability

### The RISO inkjet advantage – FORCEJET technology

#### Your assurance of quality and reliability

Instant-drying ink complements the high-speed, duplex printing capability. This specially developed, oil-based ink is also fade-resistant and water-resistant, and minimizes paper curling. Stable paper feeding ensures the reliable performance necessary for high-speed printing. Paper-feed speed is intelligently controlled according to how much ink is emitted from the print head. Also, multiple sensors help ensure high levels of reliability.

ENGINE TECHNOLOGY  
**FORCEJET™**

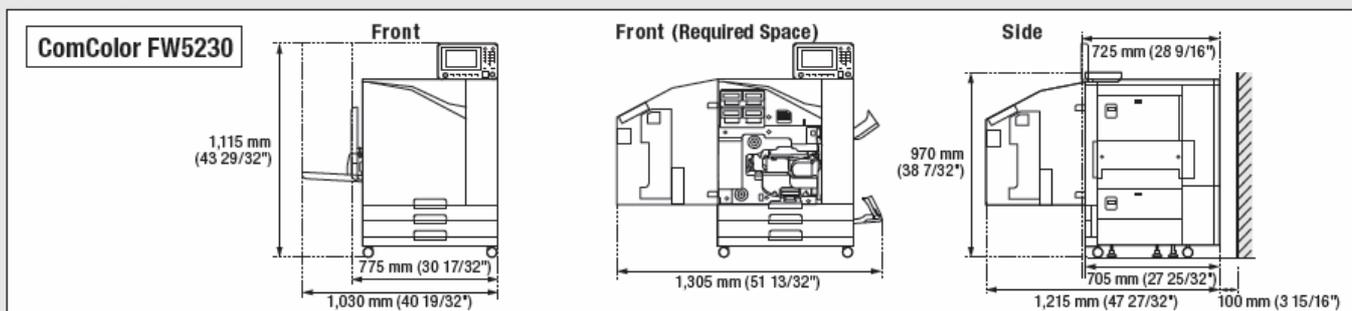


## Durability

### Tough body for reliable operation

High-speed, high-volume printing requires a durable body. ComColor FW5230 is tough enough to print millions of sheets.

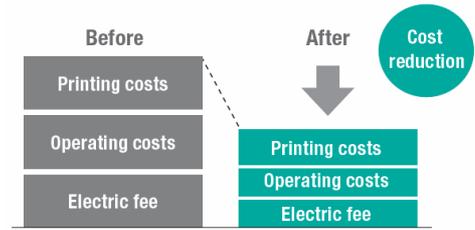
### Dimensions



# Superb efficiency for high volume printing

## Low-cost color printing

ComColor Standard — RISO's original color profile — accurately controls the amount of ink ejected from the print head depending on document type and media. This maintains image quality and optimizes ink usage, ultimately lowering operating costs. Short print runs can now be performed inexpensively and efficiently in-house.



## On-demand, full-color printing

White paper solution decreases waste, as it allows printing on-demand as and when required. ComColor FW5230 also supports variable-data printing, eliminating the need for pre-printed stock. Less outsourcing shortens turnaround time and lets you make last minute changes to documents.



## Intelligent design for flexibility and efficiency

A simple paper-feed mechanism with no heating function supports a wide range of media, from plain paper and envelopes to cards. Paper is less likely to curl as no heat is applied during printing, thereby minimizing paper jams. Operation time can be reduced for long print runs by inserting slip sheets to facilitate sorting, add covers and program printing.

The energy-efficient printing process offers smooth, economical operation. Unlike toner-based printers, ComColor FW5230 employs an imaging process that eliminates ozone and toner emissions.



## More energy-saving functions

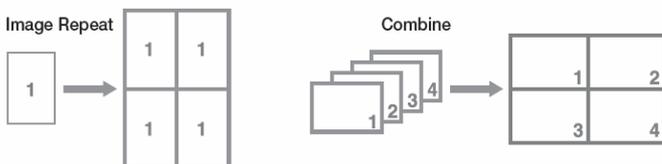
### Power schedule mode

This function allows you to automatically turn on and off the power of the machine at a specified time. Up to 10 sets of combinations of start or end time and day of the week can be registered. Never worry about forgetting to turn the printer off after working hours or over the weekend.

### Save paper

#### Image Repeat and Combine

Combine multiple copies of the same page or multiple sheets onto a single printed page to save paper. This conveniently condenses bulky, multi-page documents into an easy-to-read format.

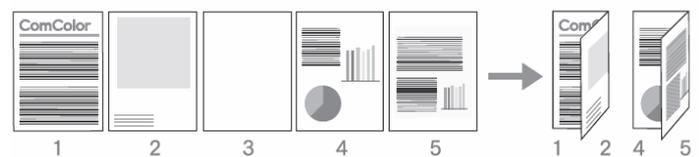


### Sleep mode

Set when the printer enters sleep mode after the last print job to further decrease power consumption. This mode keeps power consumption to a minuscule 4W, further enhancing savings on electricity bills.

### Blank Page Detection

Also, when required you can automatically omit blank pages in documents, saving both time and paper to further reduce running costs.



Note: This function is only available when using the printer driver. Pages with a header/footer will not be recognized as blank even if there is no page data.

# Excellent usability for every work environment

## Designed for simple operation

An easy-to-view touch panel with instantly recognizable color icons makes printer operation simple for anyone. The tilt panel ensures excellent viewing at any angle up to 90 degrees, expanding installation flexibility. Scan preview windows show scanned images before saving data, ensuring less scan failures. For added convenience when printing and copying, frequently used functions can be saved as Favorites.

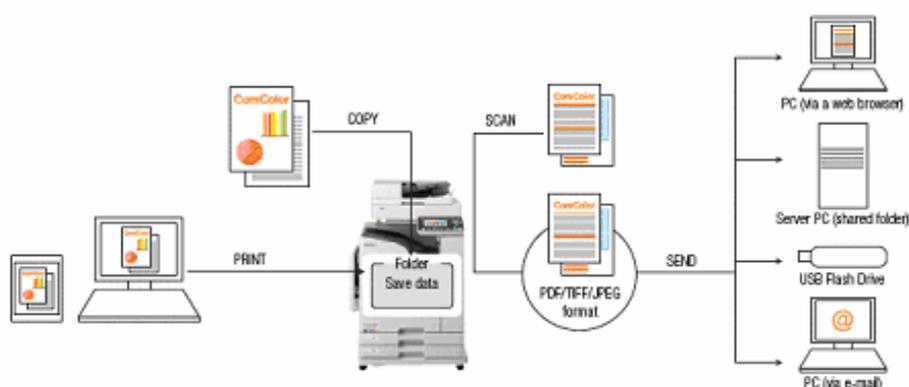


## Expanded usability

The optional PS kit supports a variety of operating systems, and PDF files can be printed directly from USB flash drives, while RISO Print-S application allows printing from smart devices. ComColor FW5230 offers reliable support for any work environment.



## ComColor functions and output modes



## Useful scanner functions

The optional Scanner HS7000 can save scanned data over the network to a PC, as an attachment to e-mail, or onto a hard disk of a networked RISO machine.

Multi-page documents can be saved in PDF format as either separate files or combined into one file. Documents can be saved as PDF, TIFF, JPEG and PDF/A (suitable for long-term storage) formats.



## Easy management for administrators

Up to 1,000 users can be registered. Connecting to an internal directory with LDAP authentication ensures quick configuration for a large number of users. The optional IC Card Authentication Kit enables user management using an IC card. Other maintenance tasks can be performed simply and speedily.



# Optional accessories to customize your workflow

## Face Down Finisher F10

Compact finisher exclusively for offset stacking and stapling finished prints.

### Applicable Paper Size

#### Without offset

Maximum: 340 mm × 550 mm (13 3/8" × 21 5/8")

Minimum: 90 mm × 148 mm (3 9/16" × 5 27/32")

#### Offset output

Regular sized paper width: 182 mm × 257 mm - 297 mm × 431.8 mm (7 3/16" × 10 1/8" - 11 11/16" × 17")

Irregular sized paper width: 131 mm × 148 mm - 305 mm × 550 mm (5 3/16" × 5 27/32" - 12" × 21 5/8")

**Paper Weight** 46 gsm to 210 gsm (12-lb bond to 56-lb bond)

**Tray Capacity** Height up to 108 mm (4 1/4")

### Maximum Number of Sheets for Staples

50 sheets\* A4, B5 (JIS), Letter

25 sheets\* A3, B4 (JIS), Ledger, Legal, Foolscap

**Paper Weight for Staple** 52 gsm to 210 gsm (14-lb bond to 56-lb bond)

### Staple Position

1 at front side (angle stapling)

1 at rear side (angle stapling)

2 at center (parallel stapling)

**Power Consumption** Max. 100 W

**Print Speed** (long-edge feed, simplex)

**Without offset** 120 ppm

**Offset output** 105 ppm

\* When using plain paper or recycled paper (85 gsm (23-lb bond))



## Scanner HS7000

The auto feeder enables copying and scanning of

duplex originals of up to 200 sheets\*<sub>1</sub> at a time.

### Copy Functions

**Writing Resolution** Standard: 300 dpi × 300 dpi

Fine: 300 dpi × 600 dpi

**Copy Paper Size** Maximum: 303 mm × 432 mm (11 15/16" × 17")

**First Copy Time** Monochrome/Color: 7 sec or less\*<sub>2</sub>

**Copying Speed** 70 ppm (Simplex/Duplex)\*<sub>3</sub>

### Scan Functions

**Scanning Speed** Monochrome/Color: 100 ppm\*<sub>4</sub>

**Network Interface** Ethernet

1000BASE-T/100BASE-TX/10BASE-T

**Data-saving Format** Monochrome: TIFF, PDF

Grayscale/Full Color: TIFF, JPEG, PDF

**Power Consumption** Max. 100 W

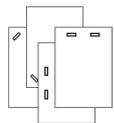
\*<sub>1</sub> 80 gsm (21-lb bond) or less

\*<sub>2</sub> When copying A4/Letter long-edge feed, using Color Priority Mode

\*<sub>3</sub> When copying A4/Letter long-edge feed, using Auto Document Feeder

\*<sub>4</sub> RISO KAGAKU standard original, A4/Letter long-edge feed,

300 dpi, JPEG or PDF, when stored to main unit hard drive, using Auto Document Feeder



Staple



Offset stacking

## Multifunction Finisher FG10

Intelligent inline functions performed automatically simplify the finishing process.

**Stapling** Stapling options include: One corner staple or two staples for up to 100 sheets\* of paper.

**Punching** Holes can be punched through documents. Choose two/three holes in the U.S., or two/four holes elsewhere.

**Folding** Various automatic folding options are available [inward; outward; for A3/ledger-to-A4/letter sheet footprint reductions; and two-fold for up to five sheets making a 20-page booklet].

### Booklet making

Automatic saddle stitch stapling of up to 60 pages (15 sheets).

\* When using plain paper or recycled paper (85 gsm (23-lb bond)) for A4, Letter, and B5



## Folder Unit FG10

Folder Unit FG10 supports A4 tri-fold\*<sub>1</sub>.

Mixed-size

documents using A3-size and A4-size

bundles by Z-folding the A3-size sheets\*<sub>2</sub>.

\*<sub>1</sub> Does not support tri-fold or Z-fold for multi-page documents.

\*<sub>2</sub> When using an application that supports mixed-size printing. Supports Ledger/Letter-size, A3/A4-size, and B4/B5-size combinations.



Z-fold



Z-fold mixed



Inward tri-fold



Outward tri-fold



Staple



punch



Offset stacking



Half-fold



Booklet (half-fold)



Booklet (half-fold with staple)

## RISO Auto-Control Stacking Tray II

The paper guides automatically open to the correct width to match the paper in use.

### Paper Size

Maximum: 320 mm × 432 mm (12 9/16"×17")

Minimum: 90 mm × 148 mm (3 15/16"×5 13/16")

**Tray Capacity\*** 1,000 sheets

\* When using plain paper or recycled paper (85 gsm (23-lb bond))



## Wide Stacking Tray

### Paper Size

Maximum: 340 mm × 550 mm (13 3/8"×21 5/8")

Minimum: 90 mm × 148 mm (3 9/16"×5 13/16")

**Tray Capacity\*** 1,000 sheets

\* When using plain paper or recycled paper (85 gsm (23-lb bond))



## PS Kit FG10

When the PS Kit is installed, several functions useful for more efficient use —

such as Tray Selection Per Page, Color Profile, Form Overlay — are available.

**PDL\*** PostScript Level3 (CPSI:3019), PCL 5c, PCL 6 (PCL XL)

**Installed Fonts** PS: 136 Roman fonts PCL: 88 Roman fonts

\* Page Description Language

## IC Card Authentication Kit II

The optional IC Card Authentication Kit enables user management using an IC card.

## Consumables

### ComColor FW Ink Cartridges

Replenishing ink is clean and easy with slim ink cartridges and the ComColor's clever design.

Colors: Black Cyan Magenta Yellow



### HC Staple 100

Staples for the Multifunctional Finisher FG10.

Unit: 15,000 pieces of staples per carton box.

### HC Staple Booklet

Saddle stitch staples for the Multifunctional Finisher FG10. Unit: 20,000 pieces of staples per carton box.

### ComColor Staple 50(G)

Staples for the Face Down Finisher F10.

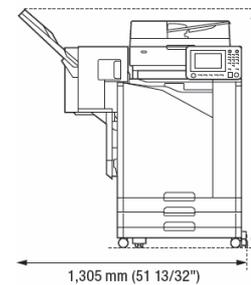
Unit: 15,000 pieces of staples per carton box



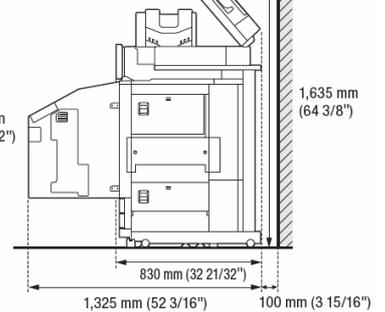
## Dimensions

### ComColor FW5230 + Scanner HS7000 + Face Down Finisher F10

Front



Side





Printers for Endless Possibilities

# ComColor FW5230

Specification		
Print Type	Line-type inkjet system	
Ink Type	Oil-based pigment ink (Cyan, Magenta, Yellow, Black)	
Resolution	Standard: 300dpi (main scanning direction x 300 dpi (sub-scanning direction)) Fine: 300 dpi (main scanning direction) x 600 dpi (sub-scanning direction)	
Number of Gray Levels	For each CMYK color (11 gray levels)	
Data Processing Resolution	Standard: 300dpi x 300dpi, Fine: 600dpi x 600dpi, Line smoothing: 600dpi x 600dpi	
Warm-up Time	2 min. 30 sec. or less (at room temperature of 23 C (73.4 F))	
First Print Time* <sub>1</sub>	5 sec. or less (A4-LEF)	
First Copy Time* <sub>1</sub>	7 sec. or less (A4-LEF)	
Continuous Print Speed* <sub>2</sub> * <sub>3</sub>	A4-LEF	Simplex: 120ppm Duplex: 60 sheets/minute
	Letter-LEF	Simplex: 120ppm Duplex: 60 sheets/minute
	A4-short-edge feed	Simplex: 90ppm Duplex: 45 sheets/minute
	Letter-short-edge feed	Simplex: 90ppm Duplex: 45 sheets/minute
	JIS-B4-short-edge feed	Simplex: 76ppm Duplex: 34 sheets/minute
	Legal short-edge feed	Simplex: 76ppm Duplex: 34 sheets/minute
	A3 short-edge feed	Simplex: 66ppm Duplex: 32 sheets/minute
Paper Size	Standard Tray	Maximum: 340mm x 550mm (13 3/8" x 21 5/8"), Minimum: 90mm x 148mm (3 9/16" x 5 27/32")
	Feed Tray	Maximum: 297mm x 432mm (11 11/16" x 17"), Minimum: 182mm x 182mm (7 3/16" x 7 3/16")
Printable Area	Maximum: 310mm x 544mm (12 3/16" x 21 13/32")	
Guaranteed Print Area* <sub>4</sub>	Standard: Margin width of 5mm (7/32"), Maximum: Margin width of 3mm (1/8")	
Paper Weight	Standard Tray	Simplex: 46gsm (12-lb bond) to 210gsm (56-lb bond) Duplex: 46 gsm to 210gsm (12-lb bond to 56-lb bond) for A4 and Letter 46 gsm to 104gsm (12-lb bond to 28-lb bond) for A3, Legal and B4
	Feed Tray	Simplex: 52gsm (14-lb bond) to 104gsm (28-lb bond) Duplex: 52gsm (14-lb bond) to 104gsm (28-lb bond)
Paper Tray Capacity	Standard Tray	Height up to 110mm (4 5/16")
	Feed Tray	Height up to 56mm (2 3/16") (2 trays)
Output Tray Capacity	Height up to 56mm (2 3/16")	
PDL (Page Description Language)	RISORINC/C IV	
Supported Protocols	TCP/IP, HTTP, HTTPS (TLS), DHCP, ftp, lpr, IPP, SNMP, Port 9100 (RAW port), IPv4, IPv6, IPsec	
Supported Operating System	Standard	Microsoft: Windows Vista(32bit/64bit), Windows 7(32bit/64bit), Windows 8.1(32bit/64bit), Windows 10 (32bit/64bit), Windows Server 2008(32bit/64bit), Windows Server 2008 R2 (64bit), Windows Server 2012 (64bit)
	Optional* <sub>5</sub>	Mac: OS X 10.8 (64bit), 10.9 (64bit), 10.10 (64bit), 10.11 (64bit) Linux (compatible with PPD only)
Network Interface	Ethernet 1000BASE-T, 100BASE-TX, 10BASE-T (2ch)	
Memory Capacity	4GB	
Hard Disk* <sub>6</sub>	Capacity	500GB
	Available Space	Approx. 430GB
Operating System	Linux	
Power Source	AC 100-240V, 10.0-5.0A, 50-60Hz	
Power Consumption	Max.: 1000W, Ready* <sub>7</sub> : 150W or less, Sleep* <sub>8</sub> : 4W or less, Stand-by: 0.5W or less	
Operating Noise	Max. 65dB (A) A4-LEF (Simplex) at the maximum print speed	
Operating Environment	Temperature: 15C to 30 C (59 F to 86 F), Humidity: 40% to 70% RH (non-condensing)	
Dimensions (W x D x H)	In use: 1030mm x 725mm x 1115mm (40 19/32" x 28 9/16" x 43 29/32") With cover and tray closed: 775mm x 705mm x 970mm (30 17/32" x 27 25/32" x 38 7/32")	
Weight	Approx. 135kg (297lb)	
Safety Information	IEC60950-1 compliant, Indoor, pollution degree 2* <sub>9</sub> , At altitudes of 2000m or lower	
Required Space (W x D x H) * <sub>10</sub>	1305mm x 1215mm x 1115mm (51 13/32" x 47 27/32" x 43 29/32")	

\*Specifications are subject to change without notice

- \*<sub>1</sub> Within 10 minutes after the last print job
- \*<sub>2</sub> When using plain paper or recycled paper (85gsm), and density setting 3 charted used: Print measurement pattern Color measurement sample 2 (JEITA standard pattern J6)
- \*<sub>3</sub> The continuous print speed varies depending on the type of optional output equipment connected
- \*<sub>4</sub> The margin when printing envelopes is 10mm. The guaranteed area when printing images is the area enclosed within 5mm of the edges of the paper
- \*<sub>5</sub> Optional PS kit is required.
- \*<sub>6</sub> One GB is calculated as 1 billion bytes
- \*<sub>7</sub> Without printing and temperature adjustment operation
- \*<sub>8</sub> When setting [Power Consumption (in sleep)] to [Low]
- \*<sub>9</sub> The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.
- \*<sub>10</sub> With the front cover open and the operation panel in the upright position.

