



You need your outreach programs printed economically and effectively. RISO has the answer to your prayers.

## “Peak Printing” Patterns

Churches and religious organizations have unique and demanding office needs. Among those oddities is the fact that much of their printing is based on fundraising campaigns, monthly newsletters, envelope printing, all of which come in bunches. While toner devices work best when equal amounts of copies are printed on a daily basis, non-profit groups will instead print large amounts in a short period of time, given their unique communications requirements.

The people who print our bank statements, credit card statements or home internet invoices have similar challenges - as everything is printed and sent out on the last or first two days of the billing month. Twelve years ago, they moved away from toner and turned to a printing technology that is digital but uses no heat, no toner and can run at super high speeds without static electricity buildup. That technology is called Inkjet.

## A Printer Designed to Print Outreach Program Materials

RISO addresses the type of “peak printing” requirements noted above with an Inkjet technology that will:

- Print church bulletins at speeds of to 120 color pages per minute (500 double-sided, letter size bulletins in less than 9 minutes)
- Print color bulletins, hymn books or Sunday School material for a little over 1 penny per page (most toner devices hover around the 6 cent mark)
- Use no heat which yields low parts usage and cold copies that are easy to handle (fold, staple or add hole punch)
- Print offering envelopes of all sizes (even with glue on the flap!) without damaging the seal
- These same envelopes have become prime fundraising tools as RISO allows for the printing of outreach messages on the face of the envelope

Call your local RISO dealer today and learn about our FW Series RISO’s designed for Churches and Non-Profit organizations.



(Pictured: ComColor FW5230 with Scanner attachments)

## Advantages


- **High Speed:** The ComColor FW5230 system is capable of full color cut sheet output up to 120 ppm.
- **Reliability:** With a duty cycle of 500,000 prints per month, the ComColor FW is a true workhorse.
- **Variety and Flexibility:** RISO’s patented FORCEJET™ technology utilizes a straight paper path that not only accommodates a wider range of media, but ensures a cold, flat, and dry output ideal for transition to finishing equipment.
- **Space & Power Savings:** A fraction of the size of similar output machines, this system’s small footprint easily fits into tight spaces. The system does not require dedicated power or HVAC considerations, as it utilizes a standard wall outlet and does not generate heat as toner-based systems do.
- **Cost Analysis:** ComColors are economical to own and run. Ask your RISO rep for a review of your printing needs, to see if inkjet makes sense for your organization.

# Specifications

## ComColor FW5230 Base Unit

Print Type	Line-type inkjet system	
Ink Type	Oil-based pigment ink (Cyan, Magenta, Yellow, Black)	
Print Resolution	Standard: 300 dpi (main scanning direction) × 300 dpi (sub-scanning direction) Fine: 300 dpi (main scanning direction) × 600 dpi (sub-scanning direction)	
Number of Gray Levels	For each CMYK color (11 gray levels)	
Data Processing Resolution	Standard: 300 dpi × 300 dpi Fine: 600 dpi × 600 dpi Line smoothing: 600 dpi × 600 dpi	
Warm-up Time	2 min. 30 sec. or less (at room temperature of 23°C (73.4°F))	
First Print Time*1	5 sec. or less (A4 long-edge feed)	
First Copy Time*1	7 sec. or less (A4 long-edge feed)	
Continuous Print Speed*2*3	A4 long-edge feed	Simplex: 120 ppm Duplex: 60 sheets/minute (120 ppm)
	Letter long-edge feed	Simplex: 120 ppm Duplex: 60 sheets/minute (120 ppm)
	A4 short-edge feed	Simplex: 90 ppm Duplex: 45 sheets/minute (90 ppm)
	Letter short-edge feed	Simplex: 90 ppm Duplex: 45 sheets/minute (90 ppm)
	B4 (JIS) short-edge feed	Simplex: 76 ppm Duplex: 34 sheets/minute (68 ppm)
	Legal short-edge feed	Simplex: 76 ppm Duplex: 34 sheets/minute (68 ppm)
	A3 short-edge feed	Simplex: 66 ppm Duplex: 32 sheets/minute (64 ppm)
Paper Size	Standard Tray	Maximum: 340 mm × 550 mm (13 3/8" × 21 5/8") Minimum: 90 mm × 148 mm (3 9/16" × 5 27/32")
	Feed Tray	Maximum: 297 mm × 432 mm (11 11/16" × 17") Minimum: 182 mm × 182 mm (7 3/16" × 7 3/16")
Printable Area	Maximum: 310 mm × 544 mm (12 3/16" × 21 13/32")	
Guaranteed Print Area*4	Standard: Margin width of 5 mm (7/32") Maximum: Margin width of 3 mm (1/8")	
Paper Weight	Standard Tray	Simplex: 46 gsm to 210 gsm (12-lb bond to 56-lb bond) Duplex: 46 gsm to 210 gsm (12-lb bond to 56-lb bond) for A4 and Letter 46 gsm to 104 gsm (12-lb bond to 28-lb bond) for Ledger, A3, Legal, and B4
	Feed Tray	Simplex: 52 gsm to 104 gsm (14-lb bond to 28-lb bond) Duplex: 52 gsm to 104 gsm (14-lb bond to 28-lb bond)
Paper Tray Capacity	Standard Tray	Height up to 110 mm (4 5/16")
	Feed Tray	Height up to 56 mm (2 3/16") (× 2 trays)
Output Tray Capacity	Height up to 56 mm (2 3/16")	
PDL (Page Description Language)	RISORINC/IV	
Supported Protocols	TCP/IP, HTTP, HTTPS, DHCP, ftp, lpr, IPP, SNMP, Port 9100 (RAW port), IPv4, IPv6, IPsec	
Supported Operating Systems	Standard	Microsoft®: Windows Vista® (32-bit/64-bit), Windows® 7 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit), Windows® 10 (32-bit/64-bit), Windows Server® 2008 (32-bit/64-bit), Windows Server® 2008 R2 (64-bit), Windows Server® 2012 (64-bit)
	Optional*5	Mac: OS X 10.8 (64-bit), 10.9 (64-bit), 10.10 (64-bit), 10.11 (64-bit) Linux (compatible with PPD only)
Network Interface	Ethernet 1000BASE-T, 100BASE-TX, 10BASE-T	
Memory Capacity	4 GB	
Hard Disk*6	Capacity	500 GB
	Available Space	Approx. 430 GB
Operating System	Linux	
Power Source	AC 100-240 V, 10.0-5.0 A, 50-60 Hz	
Power Consumption	Max. 1,000W	
	Ready*7: 150 W or less	
	Sleep*8: 4 W or less	
	Stand-by: 0.5 W or less	
Operating Noise	Max. 65 dB (A) A4 long-edge feed (Simplex) at the maximum print speed	
Operating Environment	Temperature: 15°C to 30°C (59°F to 86°F)	
	Humidity: 40% to 70% RH (non-condensing)	
Dimensions (W × D × H)	In use: 1,030 mm × 725 mm × 1,115 mm (40 19/32" × 28 9/16" × 43 29/32") With cover and tray closed: 775 mm × 705 mm × 970 mm (30 17/32" × 27 25/32" × 38 7/32")	
Weight	Approx. 135 kg (297 lb)	
Safety Information	IEC60950-1 compliant, Indoor, pollution degree 2*9, At altitudes of 2,000 m or lower	
Required Space (W × D × H)*10	1,305 mm × 1,215 mm × 1,115 mm (51 13/32" × 47 27/32" × 43 29/32")	

Specifications are subject to change without notice.

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