

# ComColor FT5230

Ultra High-Speed  
Full-Color Inkjet Printers



## ULTRA-FAST

full-color printing



A feature-rich lineup for  
**NATURE-  
FRIENDLY**

### Full-color printing



Print speed  
120 ppm



Print size  
A3



CMYK  
Full color



3 trays



Low energy  
consumption



Environmental  
certification

# Where environmental friendliness and productivity unite.

## Cleaner and Friendlier

RISO's environmental ethos is—and always has been—to design and develop products that exert the smallest possible impact on the environment throughout their lifecycles.

## Smarter and Faster

Enjoy enhanced time efficiency, optimized TCO, and consistently high quality that only RISO can deliver.

Low energy consumption

- Operates on standard power
- Does not generate heat like toner printers

360w

(During printing)

Virtually no harmful emissions

- Low volumes of VOCs\*
- No toner particle emissions

Generates virtually no ozone

Low resource consumption

- High-durability design means few replacement parts
- Inkjet printers do not require consumables (drum, fuser unit, etc.) like toner printers

Less waste

Low TEC\*\* value

- Low energy consumption even during continuous high-speed printing
- Energy efficiency vastly superior to other printers operating at same speed

1.43 kWh/week



High speed, high productivity

- First print time of less than 5 seconds
- 1,000 sheets in only 7 minutes

140ppm

(A4LEF)

High reliability

- Simple inkjet mechanism is durable and requires few replacement parts
- Low maintenance

Less downtime

High usability

- Intuitively designed user interface
- 90-degree tilt panel for easy viewing

Simple operation



**BLUE ANGEL**  
German government-operated certification awarded to products and services meeting stringent requirements for sustainable consumption.



**ENERGY STAR®**  
US-based voluntary program promoting energy efficiency. Strict energy-saving criteria must be satisfied to earn certification.



**EPEAT Gold**  
EPEAT is a US-based rating system. EPEAT Gold is the highest of three levels of sustainable performance.



**ECO MARK**  
Japan-based environmental certification awarded to products featuring low environmental loading throughout the product lifecycle. This can only be acquired by Japan models.

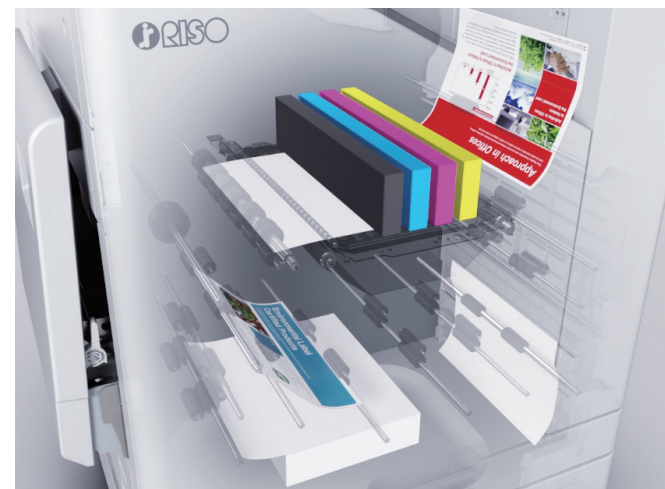
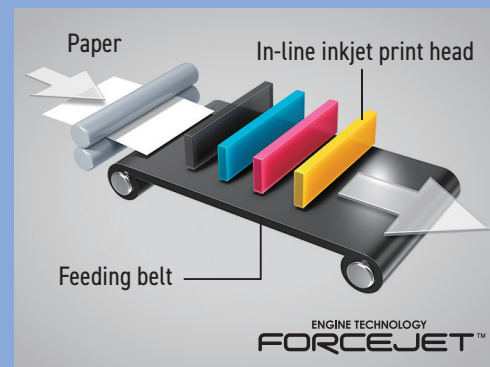
\*VOCs: Volatile organic compounds.  
\*\*TEC value: Typical Electricity Consumption. This value represents electricity consumed in one week, and is based on the international ENERGY STAR standard. The TEC value is the value published on the ENERGY STAR website.  
Values on these pages are specifications of the ComColor FT5430.



# Lower and Higher

## Heatless printing process

RISO's proprietary technology features in-line Piezo inkjet print heads which make possible single-pass full-color printing without generating heat.



## Stationary print heads

Stationary print heads make possible stable, high-quality printing even at high speeds. And the simple paper feed mechanism enables printing on various types of paper.

## Reduces energy, emissions

RISO inkjet printers do not generate heat during printing, nor do they generate ozone like toner printers.

## Increases speed, efficiency

Oil-based ink is fast drying so paper doesn't curl, allowing you to move quickly to post-print processes.

## High cost efficiency

- Proprietary ink and color profile development enable high quality at low running cost
- Short printing time means reduced labor and electricity costs

## Low running cost

## High image quality

- Piezo drop-on-demand print heads
- Fast-drying oil-based ink for minimal bleeding and smearing
- New, higher black density improves visibility

## Enhanced visibility and color reproduction

## High media flexibility

- 46gsm-400gsm (when optional accessories attached)

## Lightweight to heavyweight paper, as well as envelopes

## Why inkjet?

Inkjet printing is more nature-friendly than laser printing, and still delivers excellent quality when printing in full color. And RISO technologies have also supported the advancement of high-volume industrial printing.

## Why oil-based pigment ink?

It offers superior fading and water resistance, as well as strong resistance to bleeding. And, as it is fast-drying, paper rarely gets dirty or rippled – even during high-speed printing – enabling smooth high-speed duplex printing and transition to post-print processes.



Oil-based pigment ink enables flat, cold, dry output.



Water-based inks are prone to deformation such as rippling and curling.

## ComColor standard – high color quality

RISO developed its own intelligent color profile to maximize color reproduction and minimize bleeding. ComColor Standard assesses the color data and paper type, and adjusts the volume of ink applied based on the paper's absorption characteristics.

# Richer and Fuller

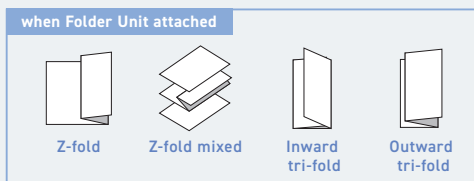
ComColor FT Series inkjet printers offer the complete package of industry-leading environmental friendliness and productivity, cost performance, and amazing functionality. And attaching the optional accessories available further enhances productivity and convenience. They're ideal high-speed, full-color printing solutions for all sizes and scales of operations, from small offices to in-plant applications. In-plant facilities are often tasked with fulfilling the needs of multiple departments and organizations, and ComColor FT Series printers, with blazing speed, gorgeous color reproduction, long duty cycles, and many sophisticated finishing options can satisfy the needs of various sizes of enterprises.

## FT Series optional accessories



### Multifunction Finisher

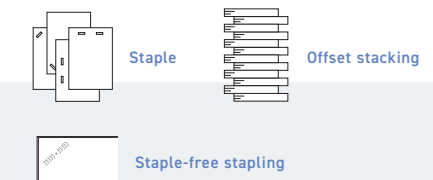
With its intelligent design and automatic execution, the Multifunction Finisher makes finishing processes such as stapling, punching, folding, and booklet making easier and more efficient than ever before.



## Face Down Finisher



### Compact size, simple operation



- Enable for offset stacking, staple stapling and staple-free stapling
- Staple-free stapling can also be done while the FT printer or FDF II is in operation

## Additional Sheet Feeder

- Paper is replenishable even during printing
- Easy access and loading
- Max. 4,000 sheets in combination with paper feed tray provided with FT main unit



2,000 sheets

## High-speed HS7000 Scanner

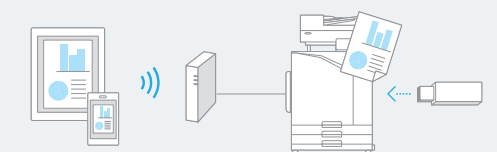
- Scan sizes up to A3
- Simultaneous duplex scanning
- Compatible with various file formats (PDF, PDF/A, TIFF, JPEG)

100ppm (A4LEF)

## Postscript RIP

- Compatible with transactional printing
  - Queue settings
  - Tray selection per page
  - Form overlay
- Direct Printing (PS Kit FG10)
  - Printing from Tablet or Mobile phone by using RISO Print-S
  - Direct printing PDF file in USB Flash Drive
- Supported operating systems
  - MacOS, Linux®\* and Chrom OS™\*\*

### Intelligent automation with Postscript RIP



\*Compatible with PPD only  
\*\*Optional PS Kit FG10 is required.

### High processing speed

- Keeps pace with FT Series high printing speed

140ppm\* (A4LEF)

### Low power consumption

- High productivity, high efficiency
- Only uses 280 W (without Folder Unit)

640w\* (in combination with FT main unit)

\*When attached to the ComColor FT5430

The RISO way to enjoy nature -friendly, ultra-fast printing

## ComColor FT 5230 Specifications

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 x 300 dpi Fine: 600 dpi x 600 dpi Line smoothing: 600 dpi × 600 dpi	
Warm-up Time		2 min. 30 sec. or less (at room temperature of 23°C)	
First Print Time *1		5 sec. or less (A4 Long-edge Feed)	
Continuous Print Speed *2	A4 Long-edge Feed	Simplex: 120 ppm	Duplex: 60 sheets/minute (120 ppm)
	A4	Simplex: 90 ppm	Duplex: 45 sheets/minute (90 ppm)
	B4 (JIS)	Simplex: 76 ppm	Duplex: 34 sheets/minute (68 ppm)
	A3	Simplex: 66 ppm	Duplex: 32 sheets/minute (64 ppm)
Paper Size	Standard Tray	Maximum: 340 mm × 550 mm *3	Minimum: 90 mm × 148 mm
	Feed Tray	Maximum: 297 mm × 432 mm	Minimum: 182 mm × 182 mm
Printable Area		Maximum: 310 mm × 544 mm	
Guaranteed Print Area *4		Standard: Margin width of 5 mm	Maximum: Margin width of 3 mm
Paper Weight	Standard Tray	Simplex: 46 gsm to 210 gsm *5	Duplex: 46 gsm to 210 gsm *5 for A4/46 gsm to 104 gsm for A3, B4 (JIS)
	Feed Tray	Simplex/Duplex: 52 gsm to 104 gsm	
Paper Tray Capacity	Standard Tray	Height up to 110 mm	
	Feed Tray	Height up to 56 mm (2 trays)	
Output Tray Capacity		Height up to 56 mm	
Page Description Language		RISORINC/C IV	
Supported Protocols		TCP/IP, HTTP, HTTPS (TLS), DHCP, FTP, LPR, IPP, SNMP (SNMP v1), Port 9100 (RAW port), IPv4, IPv6, IPSec (IKEv1)	
Supported Operating Systems	Standard	Microsoft®: Windows®, Windows Server® *6	
	Optional *7	Mac: macOS *6      Linux®: Compatible with PPD only	
Network Interface		Ethernet 1000BASE-T/100BASE-TX/10BASE-T×2 Channel	
Memory Capacity		4 GB	
Hard Disk *8	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. 1,000 W Ready *9: 95 W or less Sleep *10: 2 W or less Stand-by: 0.3 W or less	
Operating Noise		62 dB (A) or less at printing	
Operating Environment		Temperature: 15°C to 30°C Humidity: 40% to 70% RH (non-condensing)	
Dimensions (W x D x H)		In use: 1,030 mm × 735 mm × 1,115 mm With cover and tray closed: 775 mm × 710 mm × 970 mm	
Weight		Approx. 136 kg	
Dimensions When Operating (W x D x H)		With the front cover open and the operation panel in the upright position: 1,185 mm × 1,225 mm × 1,115 mm	
Accessories		Scanner HS7000, Additional 2000 Sheet Feeder FG20, Face Down Finisher F10, Multifunction Finisher FG20/Folder Unit FG20, Auto-Control Stacking Tray II, Wide Stacking Tray, ComColorExpress RS1200C, PS Kit FG10, IC Card Authentication Kit II, Envelope Feed Kit, Card Feed Kit	

Specifications are subject to change without notice.

- \*1 Within 10 minutes after the last print job.  
 \*2 When using plain paper and recycled paper (85 gsm), and standard density setting. Chart used: Print measurement pattern [Color measurement sample 2 (JEITA standard pattern J6)].  
 The continuous print speed varies depending on the type of optional output equipment connected.  
 Face Down Finisher: Without offset: 120 sheets/minute (A4-LEF Simplex), Offset output: 105 sheets/minute (A4-LEF Simplex).  
 \*3 When using duplex print: 340 mm × 460 mm.  
 \*4 The guaranteed area when printing images is the area enclosed within 5 mm of the edges of the paper. The margin when printing envelopes is 10 mm.  
 \*5 Duplex printing is not guaranteed with thick paper the weight of which is greater than 104 gsm.  
 \*6 For the OS version, please refer to the RISO Website or contact your local sales representative.  
 \*7 Optional PS Kit FG10 or ComColor Express RS1200C is required.  
 \*8 One gigabyte (GB) is calculated as 1 billion bytes.  
 \*9 Without printing and temperature adjustment operation.  
 \*10 When setting [Power Consumption (in sleep)] to [Low].



## ComColor FT Ink Cartridges

Colors: Black, Cyan, Magenta, Yellow

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