ComColor
FT Series

**Ultra High-Speed
Full-Color Inkjet Printers**

A feature-rich lineup for
NATURE-FRIENDLY, ULTRA-FAST
full-color printing

High environmental performance, high efficiency

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

1.75 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

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.
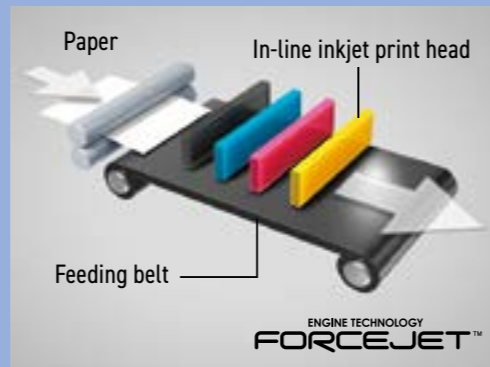
*VOCs: Volatile organic compounds.
**TEC value: Typical Electricity Consumption. This value represents electricity consumed in one week, and is based on the international ENERGY STAR standard.
   The TEC value is the value published on the ENERGY STAR website.

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.

Paper
In-line inkjet print head
Feeding belt

ENGINE TECHNOLOGY
FORCEJET™

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.

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.

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.

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

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.

Staple	Punch	Offset stacking	Half-fold	Booklet half-fold	Booklet half-fold with staple	when Folder Unit attached			
Compatible with various paper sizes						Z-fold	Z-fold mixed	Inward tri-fold	Outward tri-fold

High processing speed
- Keeps pace with FT Series high printing speed

140ppm* (A4LEF)

Low power consumption
- High productivity, high efficiency
- Only uses 230W (without Folder Unit)

590w* (in combination with FT main unit)

*When attached to the ComColor FT5430

Face Down Finisher

- ComColor finisher exclusively for offset stacking and stapling finished prints

Staple   Offset stacking

Compact size, simple operation

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 for higher productivity

- Compatible with transactional printing
  - Queue settings
  - Tray selection per page
  - Form overlay

Intelligent automation with Postscript RIP

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

ComColor FT5430 Specifications

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)
Continuous Print Speed	A4 Long-edge Feed	Simplex: 140 ppm Duplex: 70 sheets/minute (140ppm)
	A3 Short-edge Feed	Simplex: 79 ppm Duplex: 39 sheets/minute (78ppm)
Paper Size	Standard Tray	Maximum: 340 mm × 550 mm Minimum: 90 mm × 148 mm
	Feed Tray	Maximum: 297 mm × 432 mm Minimum: 182 mm × 182 mm
Paper Weight	Standard Tray	Simplex: 46 gsm to 210 gsm Duplex: 46 gsm to 210 gsm for A4 / 46 gsm to 104 gsm for A3, B4 (JIS)
	Feed Tray	Simplex/Duplex: 52 gsm to 104 gsm
Power Source		AC 100-240 V, 10.0-5.0 A, 50-60 Hz
Power Consumption		Max. 1,000 W Ready: 95 W or less Sleep: 2 W or less Stand-by: 0.4 W or less
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. 137 kg

For more detailed specifications on the FT5430 and the FT Series, please refer to the corresponding leaflet.

ComColor FT Series Optional Accessory Specifications

Scanner HS7000	Maximum Scanning Area		When using platen glass: 303 mm × 432 mm When using ADF: 295 mm × 430 mm
	Copy Functions	Writing Resolution	Standard: 300 dpi × 300 dpi Fine: 300 dpi × 600 dpi
		Copy Paper Size	Maximum: 303 mm × 432 mm
		First Copy Time	7 sec. or less (when copying A4-LEF orientation using Color Priority Mode)
		Scanning Speed	70 ppm or higher (Simplex/Duplex copying A4-LEF, using ADF)
		Reproduction Size	50% to 200% (Copy mode)
	ADF	Original Size	Maximum: 297 mm × 432 mm Minimum: 100 mm × 148 mm
		Paper Weight	52 gsm to 128 gsm
		Original Capacity	Max. 200 sheets, Height up to 25 mm
	Scan Functions	Scanning Resolution	600 dpi, 400 dpi, 300 dpi, 200 dpi
		Scanning Speed	100 ppm (A4-LEF, 300 dpi)
		Network Interface	Ethernet 1000BASE-T, 100BASE-TX, 10BASE-T
		Data-saving Method	Save to main unit hard drive, server, or USB flash drive, or send by e-mail
		Data-saving Format	Monochrome: TIFF, PDF, PDF/A Grayscale/Full Color: TIFF, JPEG, PDF, PDF/A
	Power Source / Power Consumption		AC 100-240 V, 1.2-0.6 A, 50-60 Hz / Max. 100 W
	Dimensions (W x D x H)		640 mm × 560 mm × 255 mm
	Weight		Approx. 25 kg
Additional 2000 Sheet Feeder FG20	Applicable Paper Size		A4-LEF, B5 (JIS)-LEF
	Paper Weight		52 gsm to 104 gsm
	Tray Capacity		Height up to 220 mm
	Power Source		Power supplied from the main unit
	Dimensions (W × D × H)		415 mm × 600 mm × 390 mm
	Weight		Approx. 29 kg
Face Down Finisher F10	Applicable Paper Size	Without Offset	Maximum: 340 mm × 550 mm Minimum: 90 mm × 148 mm
		Offset Output	Regular sized paper width: 182 mm × 257 mm - 297 mm × 431.8 mm Irregular sized paper width: 131 mm × 148 mm - 305 mm × 550 mm
	Paper Weight		46 gsm to 210 gsm
	Tray Capacity		Height up to 108 mm
	Maximum Number of Sheets for Staples		50 sheets (85 gsm): A4, A4-LEF, B5 (JIS), B5 (JIS)-LEF 25 sheets (85 gsm): A3, B4 (JIS)
	Paper Weight for Staples		52 gsm to 210 gsm
	Staple Position		1 at front side (angle stapling), 1 at rear side (angle stapling), 2 at center (parallel stapling)
	Power Source / Power Consumption		AC 100-240 V, 1.1-0.5 A, 50-60 Hz / Max. 100 W
	Dimensions (W × D × H)		635 mm × 695 mm × 580 mm
	Weight		Approx. 35 kg
Multifunction Finisher FG20	Applicable Paper Size	Top Tray	Maximum: 330 mm × 488 mm (Duplex: 460 mm) Minimum: 100 mm × 148 mm
		Stacking Tray	Maximum: 330 mm × 488 mm (Duplex: 460 mm) Minimum: 148 mm × 148 mm
		Stapling	Maximum: 297 mm × 432 mm Minimum: 182 mm × 148 mm
		Booklet Tray	Maximum: 330 mm × 460 mm Minimum: 182 mm × 257 mm
	Paper Weight	Top Tray / Stacking Tray	52 gsm to 210 gsm
		Booklet Tray	60 gsm to 90 gsm Cover pages: 90 gsm to 210 gsm
	Stapling	Maximum Number of Staples	100 sheets (85 gsm)
		Staple Position	1 at front side (angle stapling, parallel stapling), 1 at rear side (angle stapling, parallel stapling), 2 at center (parallel stapling)
	Punching	Number of Punches	2 holes, 4 holes
		Paper Size	2 holes: A3, B4 (JIS), A4-LEF, A4, B5 (JIS)-LEF 4 holes: A3, A4-LEF
		Paper Weight	52 gsm to 210 gsm
	Creating a Booklet	Maximum Number of Sheets	Center margin: 20 sheets (85 gsm) 80 pages 2-fold: 5 sheets (85 gsm) 20 pages
	Power Source		AC 100-240 V, 50-60 Hz, 2.3-1.1 A (3.0-1.5 A with Folder Unit)
	Power Consumption		Max. 230 W (300 W with Folder Unit)
	Dimensions (W × D × H)		1,205 mm (1,440 mm with Folder Unit [235 mm]) × 735 mm × 1,215 mm
	Weight		Approx. 146 kg (198 kg with Folder Unit [52 kg])
ComColorExpress RS1200C	Page Description Language		PostScript® Level 3 (CPSI: 3019), PDF (1.7), PCL 5c, PCL 6 (PCL XL), TIFF (6.0), PPML (2.1)
	Applicable Protocol		TCP/IP, HTTP, HTTPs (TLS), DHCP, FTP, SMBv3, NetBIOS, LPR, IPP, Port 9100 (RAW port), IPv4, IPv6, IPSec (IKEv1)
	Installed Fonts		PS: 139 fonts (Type 1: 120, TrueType: 19) PCL: 80 fonts
PS Kit FG10	Page Description Language		PostScript Level 3 (CPSI: 3019), PDF (1.7), PCL 5c, PCL 6 (PCL XL), TIFF (6.0)
	Applicable Protocol		TCP/IP, HTTP, HTTPs (TLS), DHCP, FTP, LPR, IPP, SNMP (SNMPv1), Port 9100 (RAW port), IPv4, IPv6, IPSec (IKEv1)
	Installed Fonts		PS: 136 Roman fonts and 2 Japanese fonts PCL: 88 Roman fonts
RISO Auto-Control Stacking Tray II	Paper Size		Maximum: 320 mm × 432 mm Minimum: 90 mm × 148 mm
	Tray Capacity		1,000 sheets (85 gsm)
Wide Stacking Tray	Paper Size		Maximum: 340 mm × 550 mm Minimum: 90 mm × 148 mm
	Tray Capacity		1,000 sheets (85 gsm)
Envelope Feed Kit	Paper Size		Maximum: 270 mm × 382 mm Minimum: 90 mm × 148 mm
	Paper Weight		50 gsm to 120 gsm
Card Feed Kit	Paper Size		Maximum: 160 mm × 218 mm Minimum: 100 mm × 148 mm
	Paper Weight		100 gsm to 400 gsm

Specifications are subject to change without notice.

ComColor FT Ink Cartridges

Colors: Black, Cyan, Magenta, Yellow