# ComColor black FT1430

## Ultra High-Speed Monochrome Inkjet Printers


## A feature-rich lineup for NATURE-FRIENDLY, ULTRA-FAST monochrome printing

- K — Monochrome printing 600 dpi
- 140 ppm — Print speed 140 ppm
- A3 — Print size A3
- 3 trays
- Low energy consumption
- Environmental certification

# Where environmental friendliness

## 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.

### 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

**1.75kWh/week**


### 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.

*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.

# and productivity unite.

## Smarter and Faster

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

### 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**

### ECO MARK

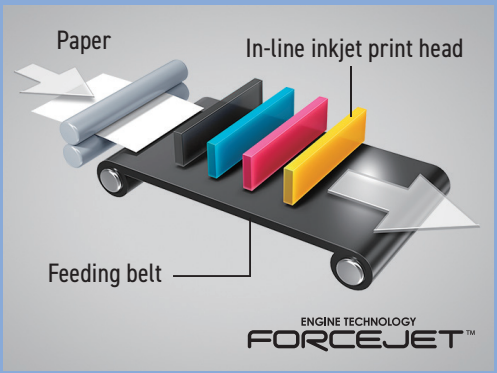
Japan-based environmental certification awarded to products featuring low environmental loading throughout the product lifecycle.

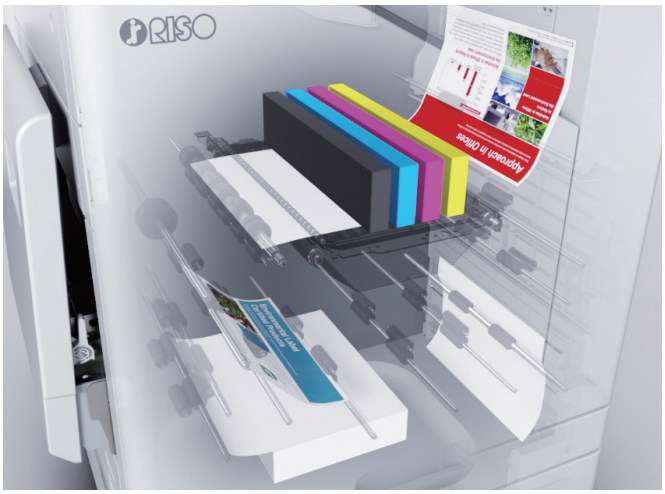
This can only be acquired by Japan models.

# 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.

Staple
Compatible with various paper sizes

Punch

Offset stacking

Half-fold

Booklet
half-fold

Booklet
half-fold with staple

when Folder Unit attached

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

The RISO way to enjoy nature

## 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**


## Face Down Finisher

- ComColor finisher exclusively for offset stacking and stapling finished prints


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**

-friendly, ultra-fast printing

# ComColor black FT1430 Specifications

| | | | |
|---|---|---|---|
| Print Type | | Line-type inkjet system | |
| Ink Type | | Oil-based pigment ink (Black) | |
| Print Resolution | | Standard: 600 dpi (main scanning direction) × 600 dpi (sub-scanning direction) | |
| Number of Gray Levels | | For K color (3 gray levels) | |
| Data Processing Resolution | | Standard: 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: 140 ppm | Duplex: 70 sheets/minute (140 ppm) |
| | A4 | Simplex: 108 ppm | Duplex: 54 sheets/minute (108 ppm) |
| | B4 (JIS) | Simplex: 90 ppm | Duplex: 42 sheets/minute (84 ppm) |
| | A3 | Simplex: 79 ppm | Duplex: 39 sheets/minute (78 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<br>Ready *9: 80 W or less<br>Sleep *10: 2 W or less<br>Stand-by: 0.4 W or less | |
| Operating Noise | | 65 dB (A) or less at printing | |
| Operating Environment | | Temperature: 15°C to 30°C<br>Humidity: 40% to 70% RH (non-condensing) | |
| Dimensions (W x D x H) | | In use: 1,030 mm × 735 mm × 1,115 mm<br>With cover and tray closed: 775 mm × 710 mm × 970 mm | |
| Weight | | Approx. 132 kg | |
| Dimensions When Operating (W x D x H) | | With the front cover open and the operation panel in the upright position:<br>1,185 mm × 1,225 mm × 1,115 mm | |
| Accessories | | Scanner HS7000, Additional 2000 Sheet Feeder FG20, Face Down Finisher F10,<br>Multifunction Finisher FG20/Folder Unit FG20, Auto-Control Stacking Tray II, Wide Stacking Tray,<br>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:] 140 sheets/minute (A4-LEF Simplex), [Offset output:] 115 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

Color: Black

### Environmental Certifications

ENERGY STAR

epeat GOLD



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