

AGENDA PLACEMENT FORM

(Submission Deadline – Monday, 5:00 PM before Regular Court Meetings)

Date: 11/15/2023

Meeting Date: 11/27/2023

Submitted By: Ralph McBroom

Department: Purchasing

Signature of Elected Official/Department Head:

Court Decision: <small>This section to be completed by County Judge's Office</small>
COMMISSIONERS COURT NOV 27 2023 Approved

Description:

Consideration and approval of the purchase of a RISO FT5000 InkJet Printer for the Johnson County Print Shop in the amount of \$50,489.00 under Cooperative Contract OMNIA #FI-R0251-18 using ARPA funds.

(May attach additional sheets if necessary)

Person to Present: Ralph McBroom

(Presenter must be present for the item unless the item is on the Consent Agenda)

Supporting Documentation: (check one) PUBLIC CONFIDENTIAL

(PUBLIC documentation may be made available to the public prior to the Meeting)

Estimated Length of Presentation: 5 minutes

Session Requested: (check one)

Action Item Consent Workshop Executive Other _____

Check All Departments That Have Been Notified:

County Attorney IT Purchasing Auditor
 Personnel Public Works Facilities Management

Other Department/Official (list) _____

**Please List All External Persons Who Need a Copy of Signed Documents
In Your Submission Email**



- RISO FT5000 InkJet Printer: 100-PPM
- RISO Wide Stacking Tray (1,000-Sheet Capacity)
- RISO Straight Shooter Envelope Feeder RS-160
- RISO ComColor Express RS1200C
RIP software that supports the functions and workflows essential for transactional printing, bringing high productivity to every business environment.
- Print Resolution: 300dpi
- First Print Time: 5 sec. or less
- 4GB RAM
- 500GB HDD
- Delivery, Installation, and Training

Purchase Price: \$50,489

Includes:

- 1 Set Extra Ink Cartridges: Cyan Magenta Yellow Black (CYMK)

Service Maintenance Agreement:

- Includes parts and labor (On-Site Service).
- Cost per Page: \$0.0021/page

Ink Cartridges are purchased separately.

RISO FT Ink Cartridge CYMK: \$525/color



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

•**ULTRA-
FAST**

•Full-color printing



•**RISO COMCOLOR FT 5000**
•Ultra High-Speed Full Color Inkjet Printers

•**SMART CHANGE STARTS HERE.**

•Full-color A4 printing



•Print speed
100ppm



•Print size
•A4 Full Color



•3 Trays Low energy



•consumption



•Environmental
certification*

*Based on Blue Angel, Energy Star, and EPEAT certifications.

COMCOLOR FT5000 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) 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: 300 dpi x 300 dpi Fine: 600 dpi x 600 dpi Line smoothing: 600 dpi x 600 dpi
Warm-up Time		2 min. 30 sec. or less (at room temperature of 23 °C)
First Print Time¹		5 sec. or less (A4)
Continuous Print Speed²	A4	Simplex: 100 ppm Duplex: 50 sheets/minute (100 ppm)
Paper Size	Standard Tray	Maximum: 340 mm x 550 mm ³ Minimum: 90 mm x 148 mm
	Feed Tray	Maximum: 297 mm x 432 mm Minimum: 182 mm x 182 mm
Printable Area		Maximum: 210 mm x 544 mm
Guaranteed Print Area⁴		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
	Optional⁷	Mac: macOS® Linux®: Compatible with PPD only
Network Interface		Ethernet 1000BASE-T/100BASE-TX/10BASE-Tx2 Channel
Memory Capacity		4 GB
Hard Disk⁸	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: 0.4 W or less
Operating Noise		64dB (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 x 735 mm x 1,115 mm With cover and tray closed: 775 mm x 710 mm x 970 mm
Weight		Approx. 135 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 x 1,225 mm x 1,115 mm
Accessories		Scanner HS7000, Face Down Finisher F10, Multifunction Finisher FG20/Folder Unit FG20, Auto-Control Stacking Tray II, Wide Stacking Tray, ComColorExpress RS1200C, PS Kit FG10, Card Authentication Kit II, Envelope Feed Kit, Card Feed Kit

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.

³ Face Down Finisher: Without offset: 100 sheets/minute (A4 Simplex), Offset output: 82 sheets/minute (A4 Simplex).

⁴ When using duplex print: 340 mm x 460 mm.

⁵ 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.

⁶ Duplex printing is not guaranteed with thick paper the weight of which is greater than 104 gsm.

⁷ For the OS version, contact your Canon Solutions America sales representative.

⁸ Optional PS Kit FG10 or ComColor Express RS1200C is required.

⁹ One gigabyte (GB) is calculated as 1 billion bytes.

¹⁰ Without printing and temperature adjustment operation.

¹¹ When setting [Power Consumption (in sleep)] to [Low]. **Environmental Certifications**



•COMCOLOR FT INK CARTRIDGES
Colors: Black, Cyan, Magenta, Yellow



•1-800-815-4000 CSA.CANON.COM

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•RISO HIGH VOLUME ENVELOPE PRINTING SOLUTION

•The RISO Envelope Printing Solution combines the RISO FT5000 production inkjet printer with Straight Shooter RS-160 Envelope Feeder and the RSC-36 Sequencing/ Conveyer Stacker to result in a complete turnkey system that addresses the needs of high-volume envelope printing.

- Made exclusively for RISO production inkjet printers, the Straight Shooter RS-160 Envelope Feeder helps ensure consistent, reliable envelope feeding into the RISO FT5000 by delivering envelopes one at a time to the printer's feed system. Its top loading, bottom feeding design can help enable uninterrupted envelope print production.

- Continuous top-loading with feeding occurring from the bottom.

- Automatically matches the speed of the printer.

- Feeds a large variety of envelope sizes (4" x 6" to 9" x 12").

- Setup is quick and the unit is very easy to operate, with adjustable side-guides.

- Modular and compact in size and can be simply rolled away when not needed— the perfect size for a printshop with limited space and high-volume envelope print production needs.

- To help collect the printed output, the RISO RSC-36 Sequencing/Conveyer Stacker is on the output side of the RISO High Volume Envelope Printing Solution. Printed envelopes are neatly shingled, enabling the operator to quickly collect and stack them offline, to help result in uninterrupted printing.

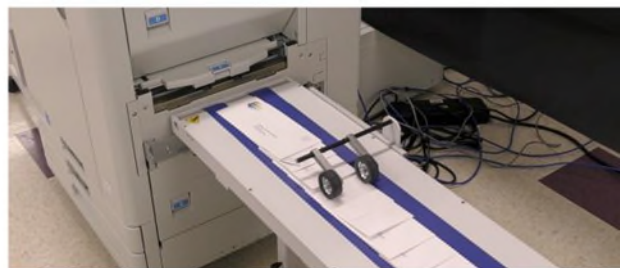
- Adjustable conveyer speed to keep up with the printing speed.

- Material sensor to turn conveyer on as prints are exiting the printer.

- Angled end ramp helps create stacks for easy removal.

- Flexible enough to collect envelopes and other types of prints from the RISO FT5000.

- Can be easily removed and stored when not in use.



•SPECIFICATIONS

RS-160 Envelope Feeder*

Width	3 15/16" minimum to 9" maximum
Length	5 27/32" minimum to 12" maximum
Paper weight	75-110 GSM (20-28 lb. bond)
Speeds	Variable, up to 55 feet per minute
	120 VAC, 2 amp standard
Height	adjustable from 24" to 35"

RISO FT5000 Production Inkjet Printer

Print Resolution Standard	300 dpi × 300 dpi
Fine	300 dpi × 600 dpi
Continuous Print Speed	A4 Simplex—up to 100 ppm
Maximum Print Area	8.26" × 21.4"
	100-240 VAC, 10.0-5.0 A, 50-60 Hz

RSC-36 Delivery Conveyer

Width	3 15/16" minimum to 9" maximum
Length	5 27/32" minimum to 12" maximum
Paper weight	75-110 GSM (20-28 lb. bond)
Speeds	Variable, up to 55 feet per minute
	120 vac, 2 amp standard
Height	adjustable from 24" up to 35"

*The RS-160 is not compatible with the High-Capacity Feeder, High-Capacity Stacker, or the additional 2,000 Sheet Feeder.

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Johnson County Print Shop



- **The County Print Shop processes approximately 600 print jobs annually for various departments including Elections, Tax Office, and Jail.**
- **We print bound books, pamphlets, 2, 3, 4, & 5 part carbonless/multicolor forms, envelopes, and large quantity print jobs for all County Departments.**

Print Shop Equipment



Canon Image Runner Advance DX C77701



Riso SF5450

Our Riso SF5450 DUPLICATOR



➤ PURCHASED IN 2018

- Traditional physical duplicator (similar to a mimeograph)
- Creates a physical master copy by punching holes in a film which is wrapped around a spinning drum and ink is pressed through the holes to make each copy.
- When new, this functionality was a cumbersome and time consuming process.

➤ DISCONTINUED/OBSOLETE

- This technology has been replaced by more modern “cold process” ink jet technology.
- Now that the machine is “well used” the process requires taping down of the originals, constant monitoring, and will only print a limited number prior to bleeding through onto each copy.

➤ HAS REACHED END OF LIFESPAN



Riso FT 5000

Key Functional Features

- Cold Inkjet Technology – Compatible with NCR (carbonless) forms and all types of envelopes, including window envelopes.
- In-line design prints envelopes and delicate stock without any bending what-so-ever.
- High Speed – 120 sheets per minute
- High Capacity – 35” stacking envelope feeder.
- Color integrated – no additional upcharges for color printing.
- Allows for continuous feeding with no downtime.

Key Information

- \$50,489 on Omnia Partners Cooperative Contract.
- Includes: Delivery, Installation, and Training.
- Ink is \$525 for up to 160,000 page yield replacement.
- Color prints at the same cost as black and white.

- Approximately \$7,000 per year savings in color printing upcharges.
- Time savings of 1-2 hours per day in improved efficiency. Print shop staff can be deployed to assist elsewhere in the department.
- Scalability.
- Professional quality product delivered throughout the County.