



Printers for Endless Possibilities

Empowering your business with high volume, reliable and quality output.

ComColor GD Series Product Information Guide



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Introduction

Welcome to the ComColor GD™ Series Product Information Guide. This guide provides tools and information needed to successfully sell RISO ComColor GD Series of inkjet printers.

In this guide you will find information on:

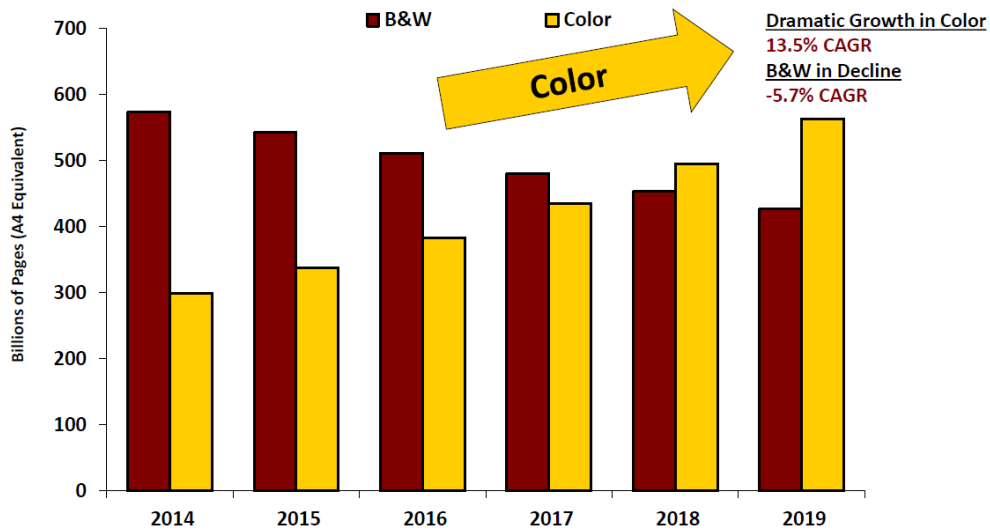
- RISO ComColor GD Technology
- Product Line Model & Accessory Specifications
- Market Strategy for Various Configurations
- Product Positioning
- Competition
- Key Features, Advantages, & Benefits
- Target Markets and Applications

Market Trend

The color market continues to show consistent growth, while the B&W market steadily declines. This trend is primarily due to the lower cost-per-copy, lower machine price, and the increased digital data and internet usage.

Color is an effective marketing tool used when building a brand and improving brand perception, as well as in developing effective communications. Color is added to print communications to emphasize important information, and direct readers to a desired action. It is well-known that color has the power to invoke a variety of responses from a consumer and influence buying decisions.

The Impact of Color



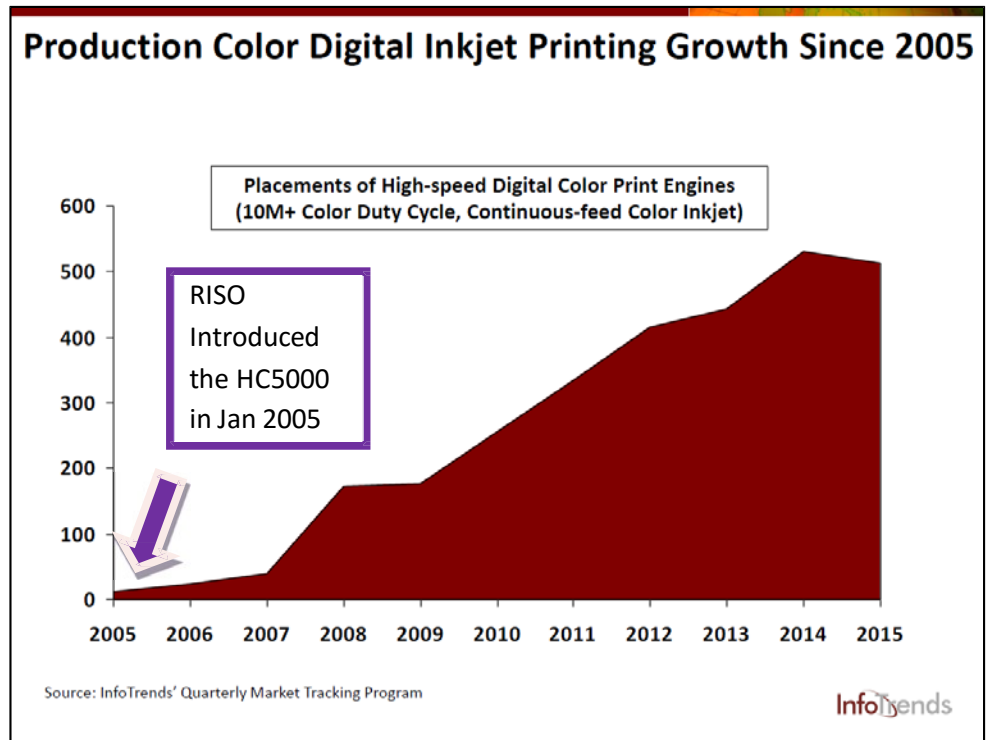
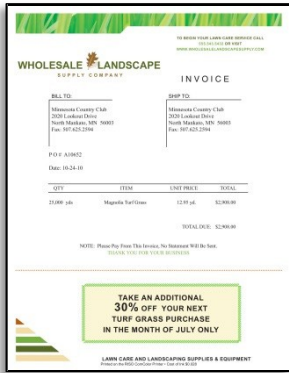
Source: U.S. and W.E. Production Printing & Copying Market Forecasts, InfoTrends 2015
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Marketers are utilizing TransPromo as a way to transform the common monthly communications medium—the statement— into a marketing vehicle that creates and increases revenue opportunities driving business volume. TransPromo, formed from the words "transaction" and "promotional", blends promotional messaging with transaction documents like monthly statements, invoices, bills, and explanation of benefits.

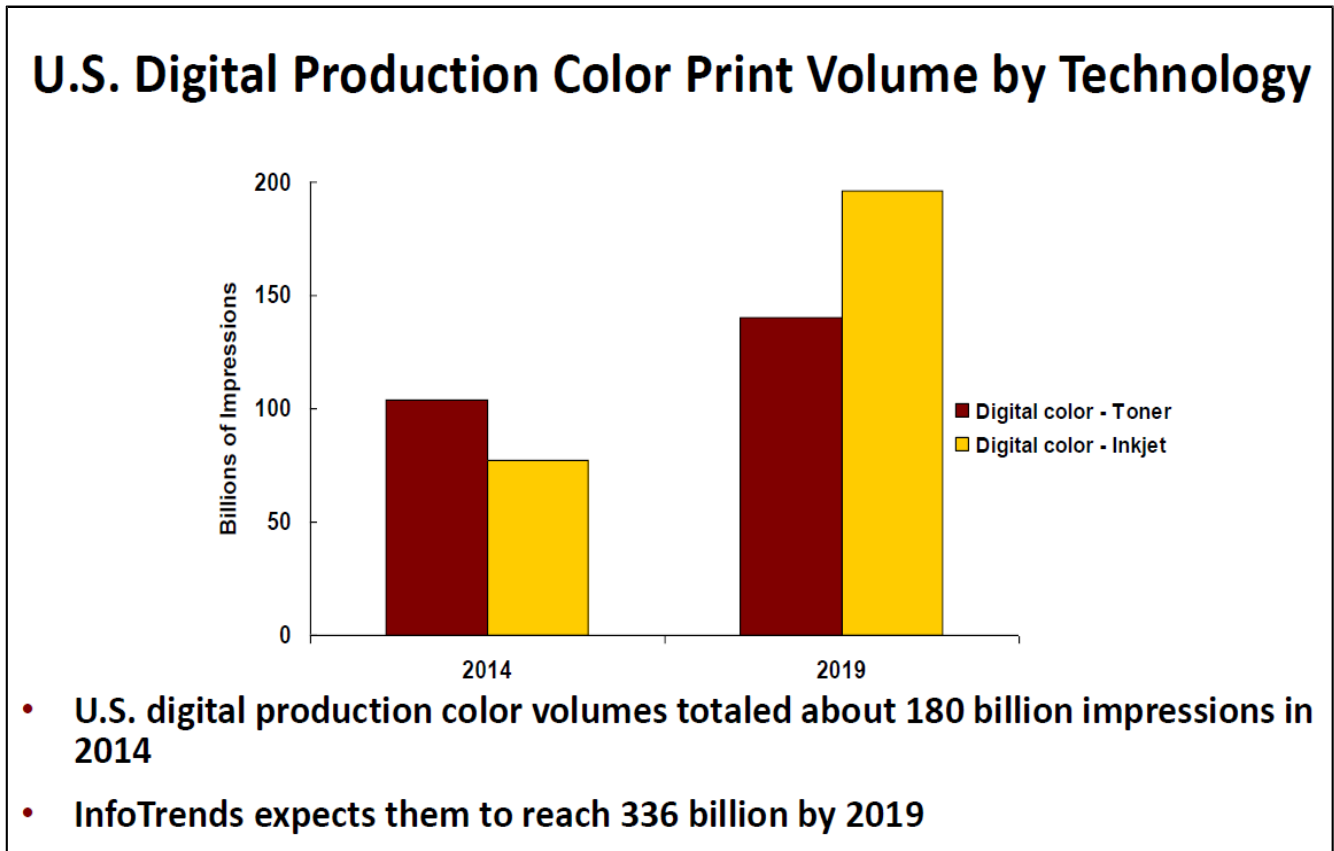
The demand for personalized information and promotional messaging on transaction applications has grown significantly. TransPromo makes it possible to transform statements, notices, and other ordinary transactional documents from a cost center into a new revenue stream.

Advancements in technology have made way for highly-personalized communications, through varying degrees of customer segmentation and data mining. Today’s consumers expect businesses to understand their needs and provide relevant and timely information, offers, products and services.



Over the last decade, inkjet technology has rapidly gained popularity, and through the years with the introduction of newer technology, it has become the mainstream of the production market. RISO, being the pioneer of high-speed cut sheet inkjet printers, introduced HC5000 at the beginning stage of the growth curve.

In addition to its legacy product, digital duplicators, RISO invested its R&D resource to develop an innovative printer that combined its proprietary inkjet technology, with an intuitive and reliable paper feeding mechanism, and high-speed printing capability. In January 2005, RISO introduced the very first ComColor inkjet printer, HC5000. The RISO HC5000 was one of the most significant product developments of its time. Its ground-breaking functionality, performance and price showed how the future was likely to develop.



Source: U.S. Production Printing & Copying Market Forecast: 2014-2019, InfoTrends

According to InfoTrends, digital production color print volumes continue to grow, while the B&W market continues to decline. And while toner business continues to grow, InfoTrends predicts that inkjet production will surpass toner market in 2019.

On the production side, inkjet provides the flexibility to meet market demands in today's unsteady global economy. Inkjet allows for a much lower initial investment, and offers higher productivity. Streamlining print production workflow has become essential in this rapidly changing market. Inkjet offers more economical solutions, reducing risk, while enhancing workflow efficiency to further ROI.

In addition to cost-reduction, other factors are reduced as well, including turnaround time, labor, and waste. Inkjet eliminates the need for preprinted offset shells, multiple passes and multiple operators. Instead of using pre-printed shells and printing variable data using toner devices, inkjet was introduced to support the white paper factory concept because of the following benefits:

- Faster processing and speed
- Lower printing cost, especially for low coverage applications
- Better quality and new media designed for IJ
- On demand printing process (white paper factory)
- Digital print innovation at the production level
- Higher durability and lower maintenance cost
- Flexible use of color

Production inkjet printing has moved down market since the introduction of cut-sheet color inkjet printers with acquisition prices much lower than roll-fed production color inkjet systems. These printers Offering superior productivity combined with the low running costs, and a smaller footprint, these printers are ideal for small to mid-size operations.

RISO continues to develop revolutionary technology and fundamentally unique products to enhance paper communication, meeting the demands of this changing market. Aligning with the market forecast, much like in 2005, when RISO introduced the first ComColor inkjet printer at the beginning of the inkjet revolution, RISO has taken further steps to expand its product portfolio with the introduction of the GD series.

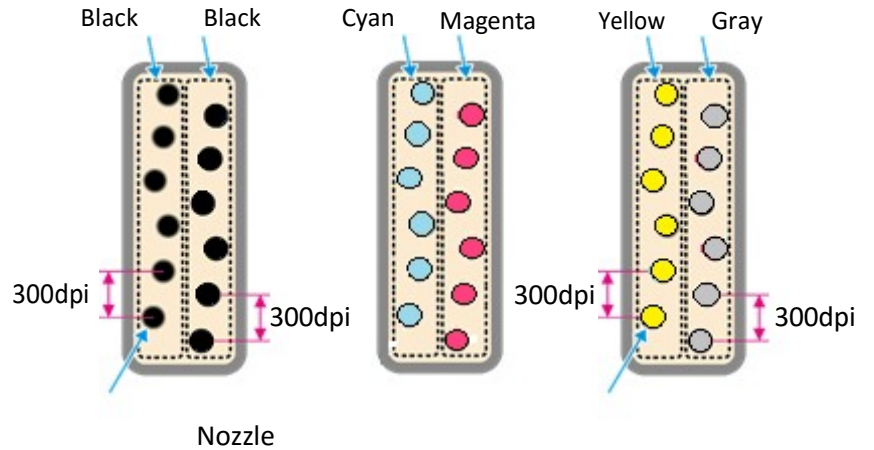
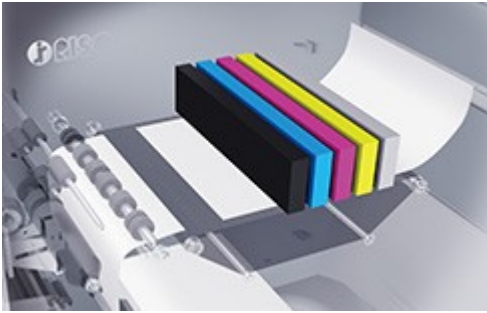
RISO FORCEJET Technology

The ComColor products have been developed and marketed to capture this growing market and to create new demands in the other areas. RISO's innovative inkjet technology uses patented FORCEJET™ technology, which is found exclusively in RISO's inkjet product line. We will refer to ComColor technology throughout this guide which employs the FORCEJET process.

RISO ComColor high-speed inkjet printers employ 18 in-line Piezo drop-on-demand print heads. Piezo print heads use vibration to create ink droplets. The print heads are stationary and the paper passes underneath them. As the paper moves beneath the print heads the print heads lay down the individual colors that make up the five-color print: black, cyan, magenta, yellow, and gray. The fixed position of the print head makes possible the high printing speeds found in ComColor inkjet printers, and it also results in a longer life span for the equipment.



- “Piezo-electric”, drop-on-demand print heads are used because of the primary benefit of durability and life span. They also contribute to the efficient control of the ink reducing the cost per print as compared to other technologies.
- ComColor ink dries through absorption, but is designed to hold the pigment closer to the surface, resulting in more vibrant colors and prints.
- ComColor’s “heatless imaging” process outputs printed pages that are cold, flat, and dry which increases reliable. Heatless imaging virtually eliminates feeding and jamming issues in post-print finishing equipment and mail production folder/inserters.
- Environmental friendliness is another benefit of the ComColor GD since it does not use heat, resulting in durability, a longer life span, and low energy consumption.
- ComColor GD consumes 80% less energy than toner-based systems and does not require a dedicated power source or any compensatory cooling, further contributing to energy savings!



FORCEJET™ printing technology

1. High-performance ink jet technology
2. In-line inkjet heads (up to 18 in-line Piezo Drop-on-demand print heads) are arranged in parallel
3. Eleven-step control for each individual ink drop
4. Ultra-high printing speed

Advantage of Inkjet Technology

1. No Heat
2. Low Cost
3. Versatility
4. Productivity

FORCEJET™ technology ensures quality and reliability. Specially developed ComColor ink is fade-resistant and water-resistant which reduces paper curling. Paper-feed speed is intelligently controlled according to how much ink is emitted from the print head.

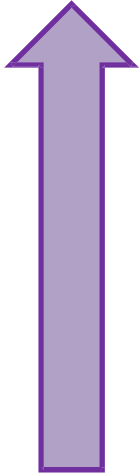
ComColor GD Basic Features

- **Fast:** Print speeds up to 160 pages per minute
- **Reliable:** Direct print to paper: no heat, short paper path
- **Low-Cost Color:** Typically less than three cents per page
- **Eco-friendly:** GREEN, 80% less power than toner, no emissions
- **Versatile:** Handles a wide range of paper stock and sizes, card stock, envelope and variable data printing
- **Compact:** Small footprint of only 3' x 4' fits virtually anywhere
- **Robust:** Handles monthly volume of up to 500,000 pages per month



GD Series - Sixth Generation Inkjet

ComColor GD Series is the sixth generation of ComColor inkjet products with RISO's patented FORCEJET™ technology.



ComColor GD	Feb 2017	600DPI Black, Five Colors with improved Density and expanded Color Gamut, improved Durability, Optional Fiery Controller.
ComColor FW	Jun 2016	Smaller Footprint, Low Cost Embedded Postscript, USB PDF Printing, Mobile Printing.
ComColor X1	Jun 2013	Improved Quality, New Accessories including High Capacity Feeder and Stacker, Mail Wrapping Finisher, Perfect Binder, Production Performance Postscript, IPDS.
ComColor X0	Jun 2009	Smaller Footprint, Advanced Features, New Supply with Improved Quality
HC 5500	Sep 2007	Improved Image Processing
HC 5000	Jan 2005	First Full Color High Speed Cut Sheet Inkjet printer

ComColor is an acronym for "Communications Color". The term ComColor is used as the brand name describing RISO inkjet products. RISO developed ComColor to fill the gap that competitive technologies do not cover, using this innovative technology. This market gap defines the ComColor market.

It is known that product requirements vary depending on market segment. For example, the production market is more concerned about productivity, reliability and cost-effectiveness, whereas in the office environment, concerns are greater towards initial investment and ease-of-use.

The introduction of the GD series reestablishes RISO's positioning in light production and production environments. Prior to the introduction, RISO had introduced the FW series of product which is positioned for business or regular office use.

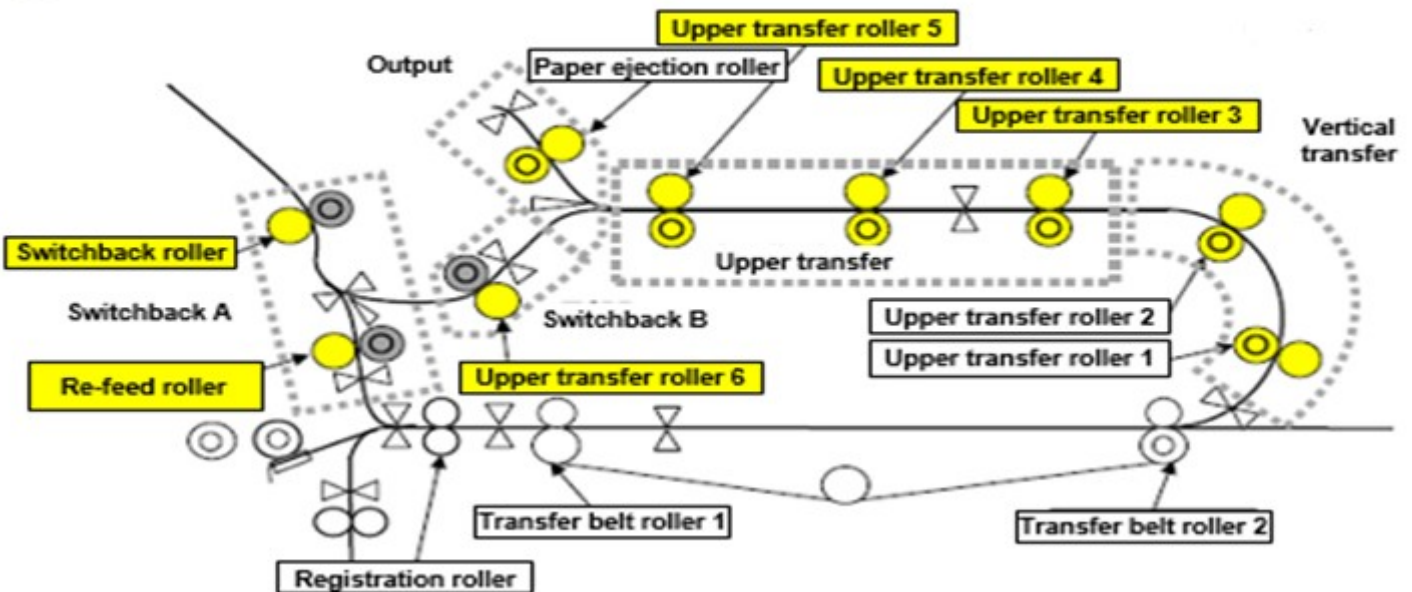
	FW	GD	
	Business	Light Production	Production
Machine Price	Low to Moderate	Moderate	High
Cost of Printing	Moderate	Low	Economic
Printing Speed	Medium	Fast	Ultra Fast
Features	Comprehensive		Simple
Process Speed	Low	Moderate	High
Optional Accessories	<u>Office Use</u> Basic Finisher Scanner	<u>Semi Production Need</u> Multi Function Finisher Perfect Binder Print to Mail	<u>Production needs</u> High Cap. Feeder/Stacker

Increased Durability

RISO ComColor products have been known as a durable workhorse in the production environment for over a decade. The ComColor GD was developed with these round the clock, high demand customers in mind. The GD has been built to surpass the expectations of even the most demanding customers.

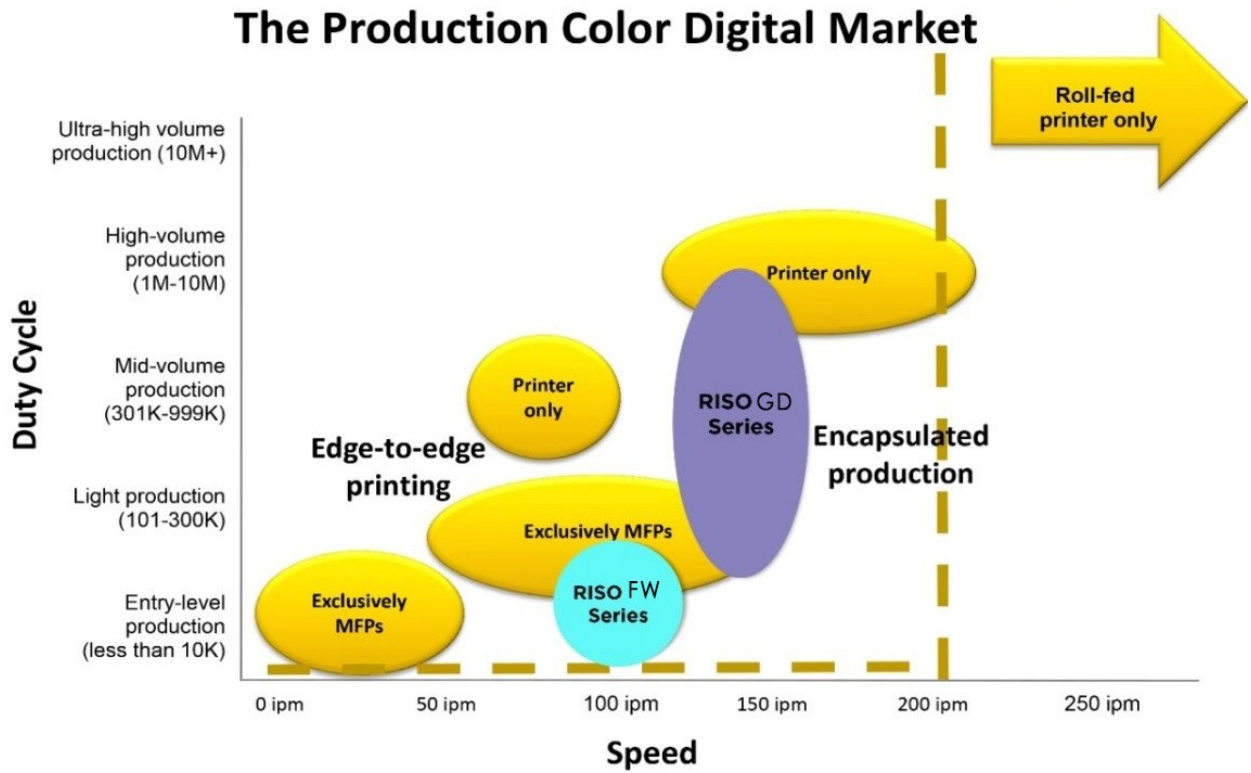
- New diamond coated rollers decrease ink build up and minimize ink transfer to paper. Higher wear resistance lengthens preventative maintained schedule.
- The recommended preventative maintenance interval has been doubled to two million prints.
- All feed clutches have been replaced by motors improving durability and minimizing paper transfer misfeeds.
- GD fits production markets with higher durability rated at ten million pages.

● -- Diamond Coated Rollers



ComColor Product Positioning

By recently adding the FW series to our product lineup, RISO now offers two distinct product lines that target different markets. The ComColor GD series which is marketed towards the professional market, and marketed as “Pro-Jet”, while the ComColor FW series targets the new IJ market, Business Inkjet, and will be marketed as “Biz-Jet”.



Note: MFP stands for multi-function peripheral, in other words, a copier/printer

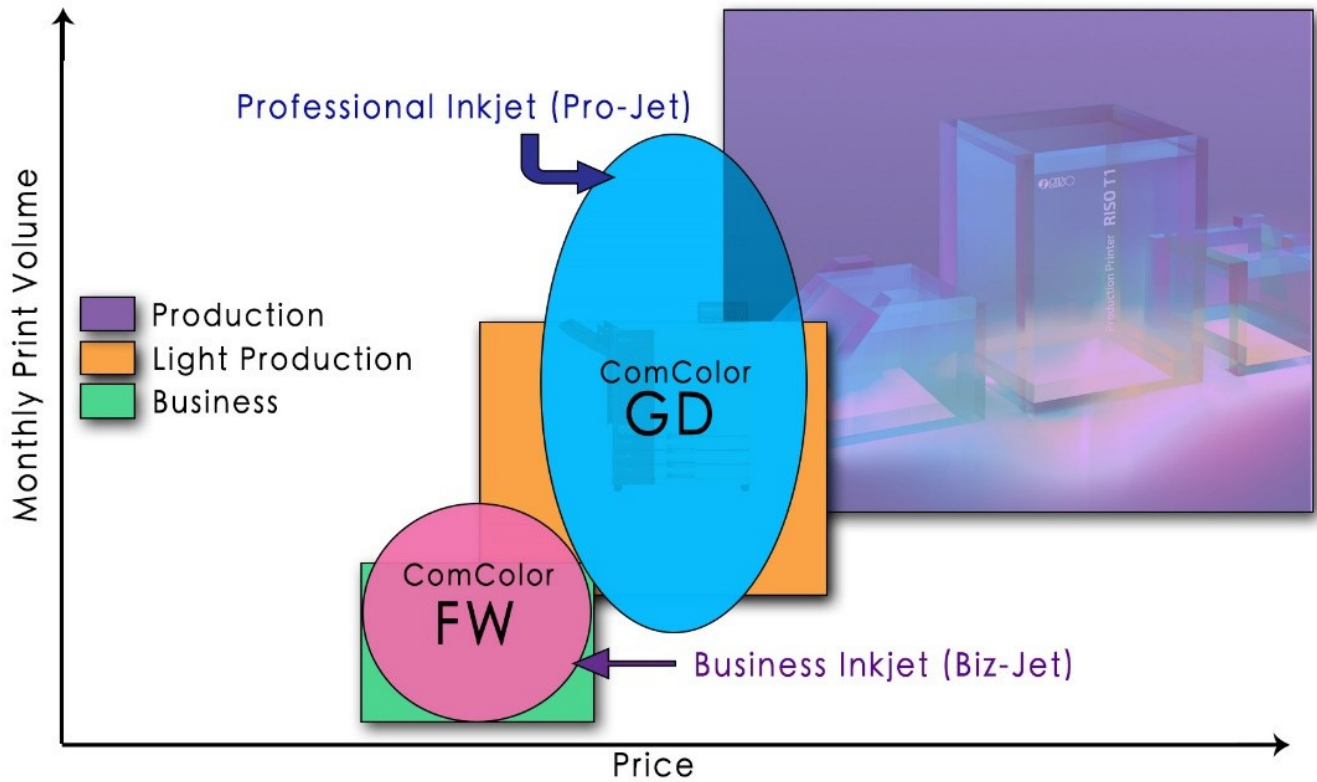
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Below is the comparison of how ComColor fills the gap of productivity and cost

Model	FW 5230 5231 5000	GD 9630 7330	Xerox 8080	Xerox C75	Canon Image press 7010V	Canon IR 9280	KM 65hc	Ricoh 901C	Toshiba eStudio 6550	Kodak Nex- press 3900	Xerox iGen 4	Xeikon 8500 Roll-fed
Price	\$30K \$27K \$23K	\$44K \$38K	\$300K	\$60K	\$195K	\$53K	\$70K	\$118K	\$36K	\$682K	\$662K	\$775K
Speed ppm	120 120 90	160 130	80	75	70	70	65	90	65	120	110	170 19.2 m/min

As demonstrated above, RISO ComColor GD series plays where most competitive devices are still toner based. ComColor's FORCEJET Technology and "heatless imaging", makes it more reliable than its competitors with increased versatility and lightning fast print speed. The ComColor GD Series has the lowest Total Cost of Ownership (TCO) in its class, with full color operating costs of fewer than 2.5 cents per page making it a perfect solution for the applications that we will address shortly.



Markets

The ComColor GD is designed for the “Professional Inkjet” market. This is where volume applications are well suited to low cost high speed color. The GD brings with it, a variety of compelling finishing options that enable customers to have solutions previously not possible. Along with these finishers, the ComColor GD is the first RISO printer to introduce the power of a Fiery controller, which allows you to place ComColor in customer environments that have standardized on Fiery workflows. Again RISO brings a leading product to market that exemplifies our core benefits of productivity, efficiency, versatility, and cost containment.

Non Profit In-Plants

- University In-Plants
(CUPMAC)
- College In-Plants
- School Board In-Plants
- Larger High Schools
- Private Schools
- Municipal In-Plants
- Hospital In-Plants

Commercial In-Plants

- Insurance Companies
- Financial Institutions
- Credit Unions
- Fortune 500 Mailrooms
- Commercial Businesses with
specific set of needs (Invoices,
Statements, Training
material, Labeling, VDP
Marketing)

The RISO ComColor GD Series addresses these common pain points for the following target markets: Education, Finance, Insurance and Utilities.

From this you can develop the compelling reasons for prospects to buy NOW:

➤ Pain Points	➤ ComColor Solution
<ul style="list-style-type: none"> • Outsourcing costs <ul style="list-style-type: none"> - Entirely – Cost higher, no control - Partially – Color cost high - Lack envelope production capability • Timeliness of billing and late notices affect cash flow • Pre-printed shells for vdp • Use insertion to promote which has lower response rate • Reprints-cost/lost opportunity • Postage costs – pre-sort s/w • Return mail – based on use of s/w • Sustainability requirements 	<ul style="list-style-type: none"> • ROI justifiable <ul style="list-style-type: none"> - Lowest cost, maintain control - Lowest cost for full color - On-demand envelope production • Productivity and control will increase in cash flow • Single pass full color vdp • Color Onsertion increases revenues & cross promotes • Heatless – reliable print/insertion • Pre-sort discounts/doc reformat, possible “host to post” solution! • Environmentally friendly

RISO Inkjet Solution!

1. **Savings** – Time, Headaches, Money. Cost to print, logistics, warehousing, energy, postage, labor can be delivered with ComColor.
2. **Significant Process Improvement** – Streamline your workflow process (Three Steps to One; Print, Address and Meter in One Pass). Allocate appropriate print volume to the ideal solution. Bring in-house documents that can be handled internally.
3. **Enhance Productivity** – Faster prints speeds and increased reliability.
4. **Compelling Reasons** – Lower CPC for Color, high speed printing, Revenue Generators: (Trans-promo), Target Marketing More Affordable (Direct Mail), increase office productivity
5. **Peace of Mind** – More control of application, On Demand capability, Aggressive cost containment, Versatile Print Solution, Green Initiative, Improved UPTIME.

Although the In-plants in the target markets have many similar “pain points”, there are specific needs for each of the target markets that differentiate them from the others. The ComColor GD Series has two models and a wide range of accessories that can be configured to meet the needs of each market.

As examples:

Print-for-Pay – The versatility of the GD makes it an excellent fit into the print for pay market. The GD offers benefits to the two biggest factors in this industry: turnaround time and profit. The GD9630 printing at 160ppm in full color allows print operations to quickly turn out their light production volume jobs while keeping the profit high due to the low cost of color. Combined with the high capacity feeder and stacker accessories, human intervention is minimal allowing for employees to move on to other jobs knowing that with its great reliability the GD9630 will get the job done. With the inclusion of the GD7330 in their line-up, print-for-pay operations can offer a middle price range full color option allowing them to get additional margin that would have otherwise been lost.

Healthcare, Finance, & Insurance – The main applications which can be found in all of these three markets have limited life cycles. Applications such as explanation of benefits, numbered forms, statements, etc. are typically only viewed for an average of 45-60 seconds. Keeping this in mind, the affordable cost of adding color to these documents is invaluable for such industries. Also light-medium production level volumes with peak printing periods, these applications need to be run on a solution which can handle almost an entire month’s volume over 48 hours. The GD7330 fills this need with its duty cycle of 500k impressions a month. For those operations mailing out from in-house, the GD9630 with the envelope wrapper offers an all in one solution that can print 2600 invoices an hour!

Healthcare and Insurance

HIPAA - Healthcare Information Portability and Accountability Act

Part of the HIPAA Law requires that a patient’s medical information remains private and secure and the proper information be provided for reimbursement by Medicare and Medicaid. For third party reimbursement through insurance providers, the NUBC (National Uniform Billing Committee) established and controls the specific forms that are used by the HCFA (Healthcare Finance Administration) and CMS (Centers for Medicare and Medicaid). In other words, if a medical services provider wants to get reimbursed by Medicare or Medicaid as administered by the third party insurance company, they must use the correct forms.

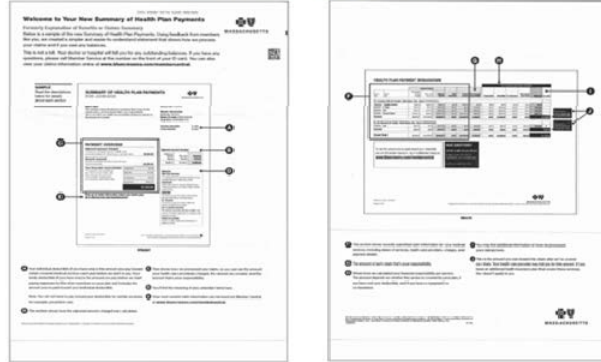
As you can see from the examples, ComColor is a perfect solution to provide the red spot-color background and B/W variable data in a single pass. Many organizations purchase the pre-printed forms and use copiers or printers to print the B/W information. This is a more expensive method and is subject to change by the NUBC. This could mean that expensive forms are discarded adding to the cost of operation.

In addition to completing the correct form to get reimbursed by Medicare or Medicaid, the Insurance Company must provide an “Explanation of Benefits” or “summary of Health Plan Payments” as shown below on a Blue Cross Blue Shield notification of coverage document. The use of color when printing makes documents easier for the patient to understand, potentially reducing calls to customer service and therefore reducing costs. The ComColor GD Series makes it easy and affordable for insurance companies to improve their documents and enhance workflow.

Explanation of Medical Billing Document

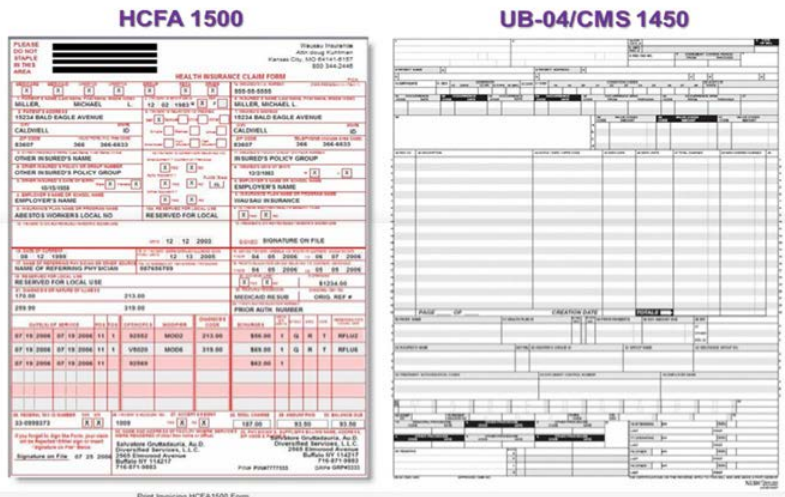


Per HIPAA Regulations, an explanation of the insurance “Summary of Health Plan Payments” must accompany the notification of coverage.



ComColor could highlight these in color & reduce customer service calls! This is an example of a BCBS “Summary of Health Plan Benefits”!

HCFA/CMS Form Examples



Financial

As it relates to Finance, both GLBA (Gramm - Leach - Bliley Act) and SOX (Sarbanes Oxley) have contributed to an increase in print and mail production because of the need to disclose information.

Gramm-Leach-Bliley Act

15 USC, Subchapter I, Sec. 6801-6809

Disclosure of Nonpublic Personal Information

DISCLOSURE: Disclosure of this information is provided not less than annually! Sec. 6803. Disclosure of institution privacy policy

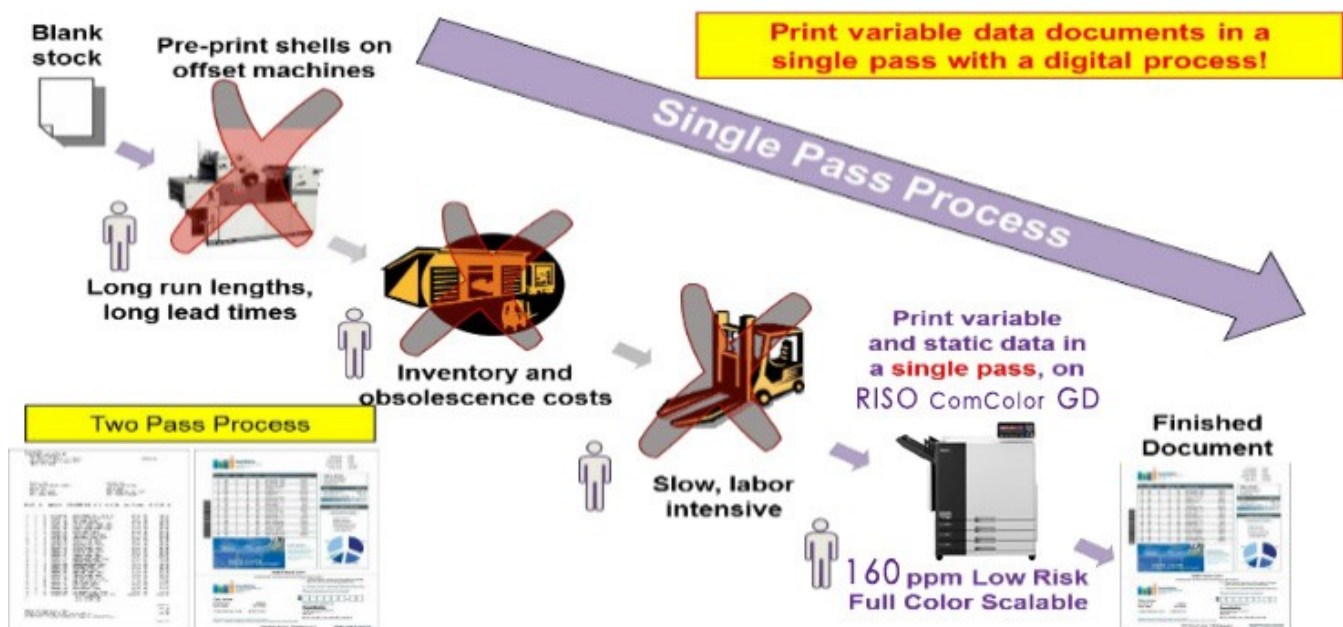
At the time of establishing a customer relationship with a consumer and not less than annually during the continuation of such relationship, a financial institution shall provide a clear and conspicuous disclosure to such consumer, in writing or in electronic form or other form permitted by the regulations prescribed under section 6804 of this title, of such financial institution's policies and practices.

SOX (Sarbanes Oxley 2002) Act - Provides for transparency and timely, full disclosure of financial institutions.

The bottom line is that these laws drive more print and mail production. **If you have a credit card, every time the financial institution changes its terms and conditions it MUST notify you.** These letters are known as Credit Card Disclosures Statements.

Many organizations outsource or use an in-house press to print pre-printed forms. Variable data is later printed on these forms – *a second pass* – by a b/w copier or printer. The pain points are as follows:

- Cost and labor of outsourcing or printing the static forms in-house
- Time and labor associated with handling the pre-printed forms
- Cost of errors due to loading the forms incorrectly requiring reprinting and missing deadlines
- Cost of storing the forms
- Cost of wasted forms that are outdated based on changes made
- Cost of additional forms necessary due to losses in the variable data printing or mailing process



ComColor GD Series printers provide the ability to print documents with variable data and color in a single pass, thus increasing productivity and reducing costs while meeting important deadlines!

Personalized promotions in

full-color can be added that will increase revenue!

Increasing revenue and profit remains the primary force for repurposing transactional documents to be used as promotional vehicles because of the proven results yield a significant marketing lift. ComColor GD can be implemented as a light volume “host to post solution” that can be integrated with various mailing and workflow software.

Invoices — Statements — Direct Mail — Personalized Communications

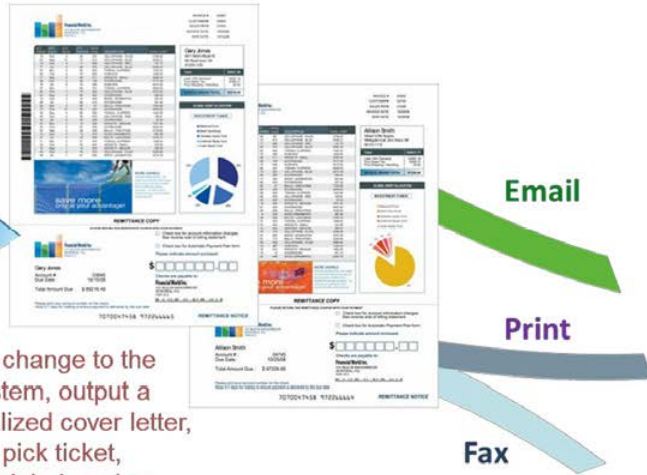
BEFORE

Raw data from host usually printed on legacy or impact printers.



AFTER

With no change to the host system, output a personalized cover letter, invoice, pick ticket, shipping label, and so much more!

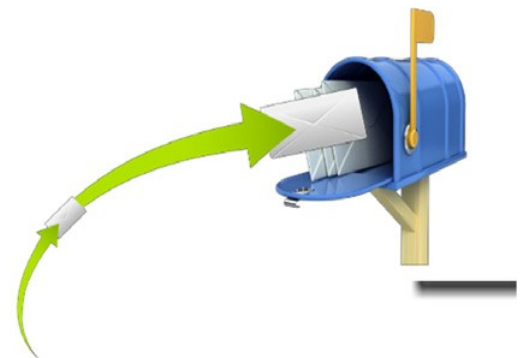


- **Unrivaled ‘Openability’:** 95% of transaction documents are opened and read
- **High Involvement:** The average customer invests 2-3 minutes per transaction document
- **Cuts through the clutter:** May get 3,000 advertising messages per day, but receive less than 12 transaction documents monthly
- **Cost Efficient:** Companies are already mailing statements
- **Increase Bottom Line Profits:** Up to a 50% increase in profits with a 5% increase in current customer business
- **Reduce Call Center Activities:** With the clarity associated with Trans-promo documents and digital color communications
- **Diverts Customer’s Attention:** From “cost of service” to “benefit”
- **Multi-Channel Communications:** Tools are available to make Trans-promo statements multi-channel communications

- **Color:** Studies have shown that the use of color and personalization outsells traditional black & white messaging by as much as 80%.



- **Variable Data Printing:** Drives loyalty, brand recognition & profit.
- **Color Transactional Printing:** The use of full digital color for transaction documents is expected to reach 30% in 2013
- **InfoTrends:** “Inkjet technologies pose a long-term threat to toner technologies.” Three factors will contribute to this: *
 1. Demand for higher speed color
 2. The potential for lower consumable cost
 3. Ability to print low coverage color cost-effectively
- Variable data content is increasing, including trans-promo, and migrating to color
- Opportunity to print full-color, personalized envelopes in a single pass
- Outsourcing is coming back in-house based on technology, regulations, cost, and control
- 80% of corporate printing is transactions!
- 86% of transactions are paper-based!
- 52% of transactions are distributed by regular mail!
- 23% are statements/invoices
 - 20% is direct mail
 - 9% are checks



Religion

The Religious market is a market that requires written information. In fact, the very first printing machine invented was invented by the German Johannes Gutenberg around 1440, and the application was to print the bibles. The religious market has been a strong market for RISO products since the launch of RISO digital duplicators, and remains to be an important market.

As newer religions and beliefs are introduced, the overall number of churches is increasing, while the overall attendance has declined. Therefore, retention has become increasingly important to maintain church presence, but outreach efforts becoming increasingly competitive compared to the past.

Use of color improves readership by 40%, learning by 78%, and comprehension by 73% *1.



B&W/2 Color



Full Color

*1 Source: "Business Papers in Color. Just a Shade Better", Modern Office Technology; Embry, David, "The Persuasive Properties of Color", Marketing Communications; Johnson, Virginia, "The Power of Color".

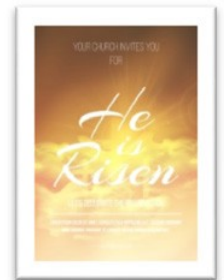
The use of color in the religious market is increasing while trying to minimize the cost. As digital data increases its presence, some churches have utilized digital data to eliminate the cost of printing. The issue with this strategy is that a large number of members are not technically oriented, and have limited access to digital data. Moreover, increased number of non-essential information obtained from the internet and emails has decreased the retention rate of such communication.

While digital communication continues to rule, there remains a strong need for printed communication. Most people can't remember specific information given verbally without also seeing it in print.

Printed material goes beyond the weekly bulletin, and includes promotional materials for various groups:



- Bible Study and Vacation Bible School
- Outreach programs and New Movers campaigns
- Specific ministries/audience: youth, working mothers, young adults, women, men, family, seniors, new members and more.
- Special Events and Workshops

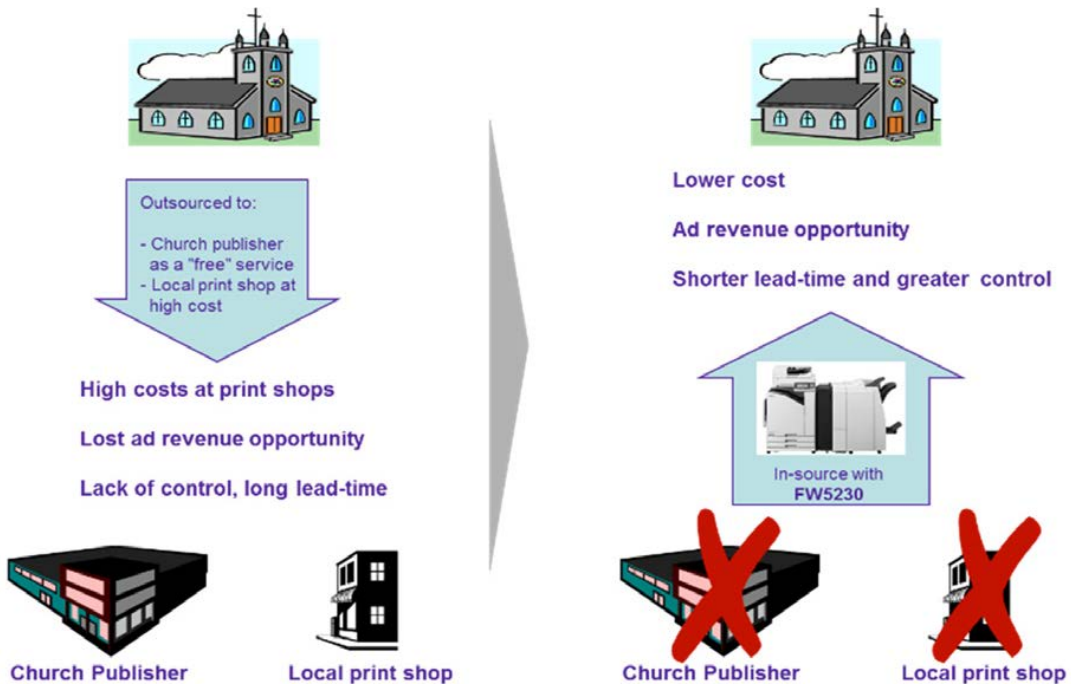
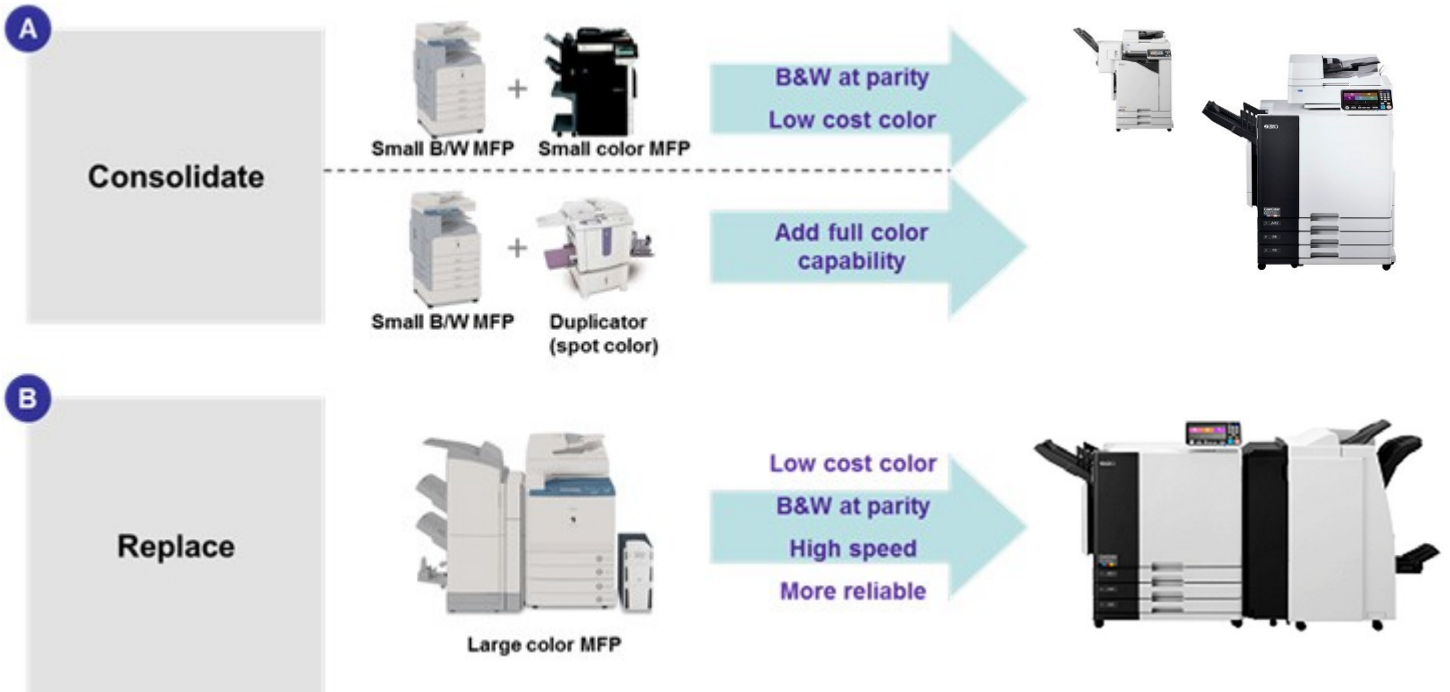


RISO ComColor GD Series printers are ideal for the following Church applications:

	Key Publications	Objectives	Target Audience
Marketing and Outreach	<ul style="list-style-type: none"> • Identity pieces (logos, stationary etc) • Outreach publications (postcards, advertising/marketing) • Visitor cards and responses 	<ul style="list-style-type: none"> • Get people to identify church • Encourage regular attendance • Help visitors learn about the church • Get regulars to become members 	<ul style="list-style-type: none"> • Unchurched people • Visitors • Regular attendees
Church activities	<ul style="list-style-type: none"> • Age or life-stage program information/PR (children, youth, singles, seniors, etc) • Brochures, flyers 	<ul style="list-style-type: none"> • Encourage participation in church events • Experience ministries beyond Sunday morning 	<ul style="list-style-type: none"> • Church members • Committed attendees
Training	<ul style="list-style-type: none"> • Training materials • Teacher's manuals and support materials 	<ul style="list-style-type: none"> • Spiritual growth and maturity • Biblical training 	<ul style="list-style-type: none"> • Involved members • Regular attendees
Affirmation and Recruitment	<ul style="list-style-type: none"> • Recruitment and affirmation materials • Financial and Missions involvement and support publications 	<ul style="list-style-type: none"> • On-going service and outreach • Missions involvement • Consistent giving 	<ul style="list-style-type: none"> • Leaders • Staff

Why ComColor?

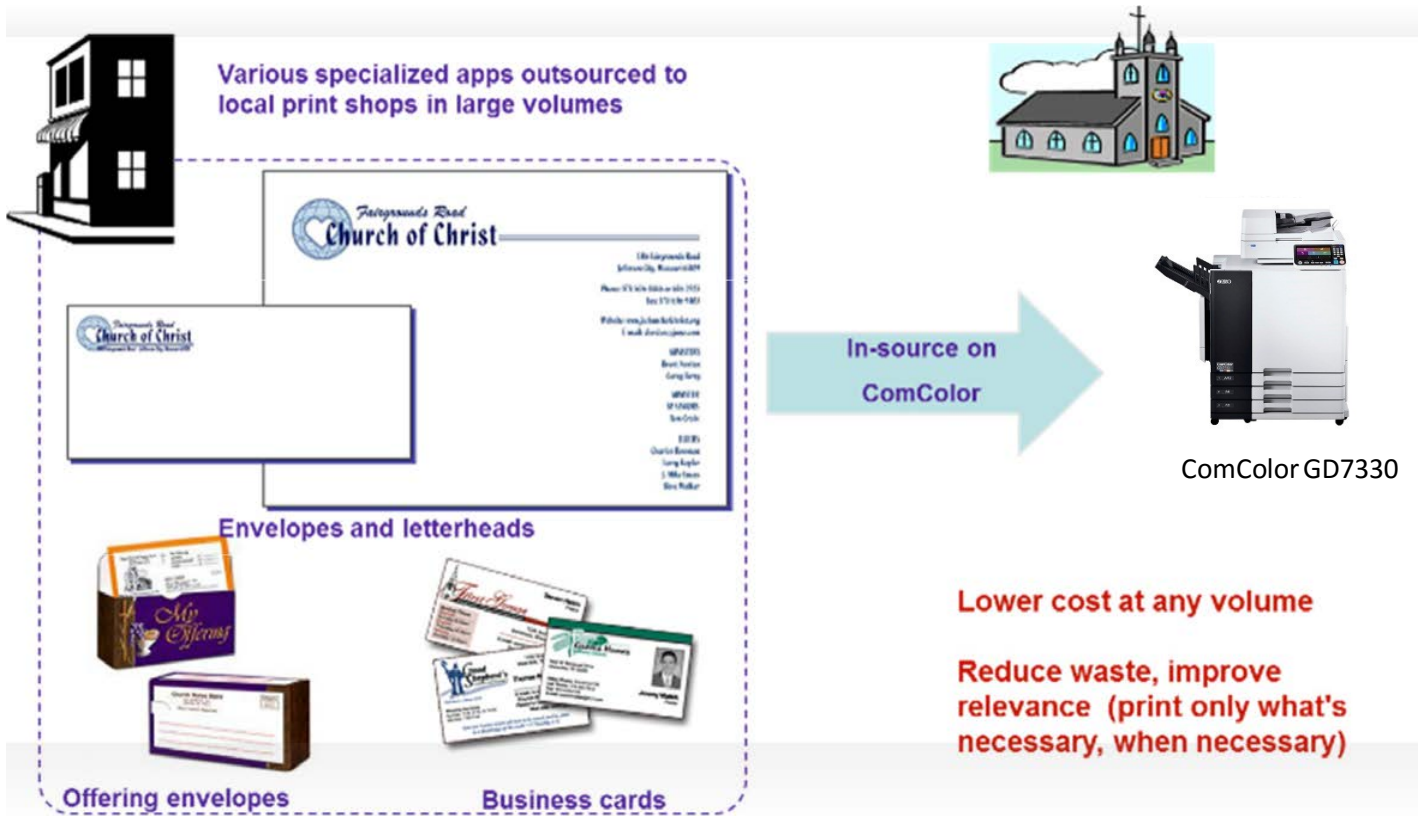
- 1) **Consolidation/Replacement:** One of the key reasons churches implement RISO ComColor is to consolidate and/or replace their office equipment so that a more effective process can be introduced.
- 2) **In-source color bulletins:** Printing attractive and low cost bulletins while reducing the production workload is vital for churches.



Many churches outsource the production of church material. While this reduces the production process of these materials, higher printing cost and lower flexibility become a challenge.

Major church activities are tied to the everyday life, and major events that happen without notice are difficult to include in your messages. Besides, when total production volume is diminishing, the cost of printing increases. The GD series will allow churches to bring in-house these process without requiring massive investment.

3) In-source specialized apps: Churches have specific applications that our ComColor can handle in-house with ease.



Logistic (Fulfillment)

Distribution Logistics is a rapidly growing market due to the increase in e-commerce and other package shipments that require pick tickets, packing lists, invoices, and shipping labels.

Combined with commercially available “Logistics Software”, PlanetPress and the ComColor GD Series, you can help your customer save money through “smart shopping” the carriers, eliminating accessorial fees, and printing the documents and labels necessary to insure delivery of your customer’s product.

Integrated labels are “peel-off” stickers attached to blank paper stock that are used for shipping labels. The rest of the form is used for printing the invoice, statement, or pick ticket and can be done in a single pass with full color for brand identity or “promotions” to generate increased revenue.

The ComColor GD is an ideal solution to print integrated labels and invoices, as it can reliably print on a wide range of paper stocks with a “heatless imaging” process that is compatible with these types of forms.

In addition, you are able to add variable data and color at a fraction of the cost of toner-based technology which helps streamline shipping processes, eliminate shipping errors, and add promotional messages to increase business!

❖ **Software is available that can control costs & improve process!**

- ✓ Automate all Shipments- integration with in-house software
- ✓ Cost Center Accounting- departmental chargebacks
- ✓ Intelligent Shopping – shop the carrier by class, weight and zip.
- ✓ Address Correction – avoids \$10.00 - \$12.00 charge
- ✓ RDI Support –Residential Delivery Indicator
- ✓ E-Track – Can track ANY package ANY Carrier
- ✓ Carrier Performance Analysis –Daily report for delivery status
- ✓ Archive– reports historical data on proof of delivery with tracking
- ✓ Business Rules – customer determines business rules
- ✓ Centralizes tracking of shipments and expenses in one System

...but the labels, packing lists, and invoices still have to be **PRINTED!**



Applications

Shells

These can be found most often in in-plants, this includes education (school boards, university, college, hospital, municipal print shops)

Previously, these in-plants ran presses. This included a dedicated person running the press. Such a specialized job, that should the pressman go on vacation or be out sick, printing was put on hold until their return. These government entities were asked to eliminate both the pressman and the offset that went with them to gain the versatility to print whenever they wanted.

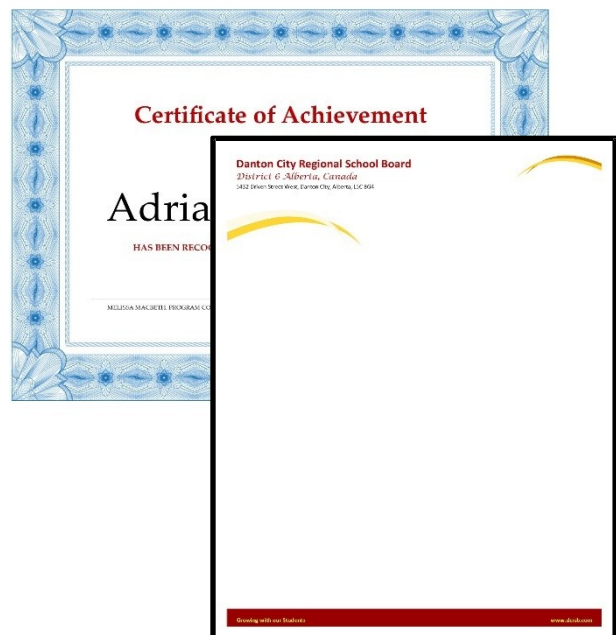
In-plants are getting away from presses yet there is still a huge need for ink in their operation. They can't survive on only toner.

Pain Points of Toner:

- Toner uses heat to melt image onto paper
- When toner output is passed through a fuser a 2nd time, smudging happens as the toner is re-melted
- Results in streaking and a lesser quality overall
- May result in unnecessary call to technician which usually is a billable call (end user error, not printer)
- Heat being applied to paper causes curl making it difficult to re-feed

RISO Inkjet Solution!

- Ink is rained and absorbed into the paper
- Instantly dry, no wait time before storing
- Inkjet output can be over printed in a toner device without issue as the ink has been absorbed into the paper
- No curl to paper, less jams!



Numbering, Tickets, and Coupons

- Local events
- Limited life span
- Meant to attract attendance

Not much is needed, however most avoid the color to attract because of cost of adding color.

Attendance is key, why not bump up the chance of increasing attendance by adding the color at a mere 1-2 cents per sheet?!

Those who are printing their own tickets:

- Schools
 - Dances
 - Plays
 - Field Trips
 - Sporting Events
- Churches
 - Fundraiser's
- Towns/City
 - Picnics
 - Local Concert

Semiahmoo Minor Lacrosse Fundraiser	<p>Name _____</p> <p>Address _____</p> <p>City _____ Zip _____</p> <p>Phone _____</p> <p>E-Mail _____</p>	<p>No. 001</p>
<p>Semiahmoo Minor Lacrosse Fundraiser</p> <p>Grand Prize: Samsung 60 inch LED 120 Hz Smart TV Thank-you Future Shop and Larry Kol</p> <p>Second Prize: Cactus Club Tasting Dinner for 6 People</p> <p>Third Prize: Autographed Kevin Biaksa Hockey Stick</p> <p>\$10 each</p> <p>Draw date is June 13 2012 at Centennial Arena, BC Lottery number 35057</p>		
Semiahmoo Minor Lacrosse Fundraiser	<p>Name _____</p> <p>Address _____</p> <p>City _____ Zip _____</p> <p>Phone _____</p> <p>E-Mail _____</p>	<p>No. 401</p>
<p>Semiahmoo Minor Lacrosse Fundraiser</p> <p>Grand Prize: Samsung 60 inch LED 120 Hz Smart TV Thank-you Future Shop and Larry Kol</p> <p>Second Prize: Cactus Club Tasting Dinner for 6 People</p> <p>Third Prize: Autographed Kevin Biaksa Hockey Stick</p> <p>\$10 each</p> <p>Draw date is June 13 2012 at Centennial Arena, BC Lottery number 35057</p>		
Semiahmoo Minor Lacrosse Fundraiser	<p>Name _____</p> <p>Address _____</p> <p>City _____ Zip _____</p> <p>Phone _____</p> <p>E-Mail _____</p>	<p>No. 801</p>
<p>Semiahmoo Minor Lacrosse Fundraiser</p> <p>Grand Prize: Samsung 60 inch LED 120 Hz Smart TV Thank-you Future Shop and Larry Kol</p> <p>Second Prize: Cactus Club Tasting Dinner for 6 People</p> <p>Third Prize: Autographed Kevin Biaksa Hockey Stick</p> <p>\$10 each</p> <p>Draw date is June 13 2012 at Centennial Arena, BC Lottery number 35057</p>		
Semiahmoo Minor Lacrosse Fundraiser	<p>Name _____</p> <p>Address _____</p> <p>City _____ Zip _____</p> <p>Phone _____</p> <p>E-Mail _____</p>	<p>No. 1201</p>
<p>Semiahmoo Minor Lacrosse Fundraiser</p> <p>Grand Prize: Samsung 60 inch LED 120 Hz Smart TV Thank-you Future Shop and Larry Kol</p> <p>Second Prize: Cactus Club Tasting Dinner for 6 People</p> <p>Third Prize: Autographed Kevin Biaksa Hockey Stick</p> <p>\$10 each</p> <p>Draw date is June 13 2012 at Centennial Arena, BC Lottery number 35057</p>		

Envelopes

ComColor GD can print on a variety of envelope sizes at a very low cost per piece.

The example #10 envelope below, would cost \$0.0019 in ink to print. That's less than a dollar in ink per 500ct box.



Windowed envelope printing is not a problem with ComColor GD. The heat created by toner printing can melt the window material of the envelope, and can activate the sealing adhesive. ComColor ForceJet technology uses no heat, and so windowed envelopes can be printed without the concerns user's face with toner based printers.

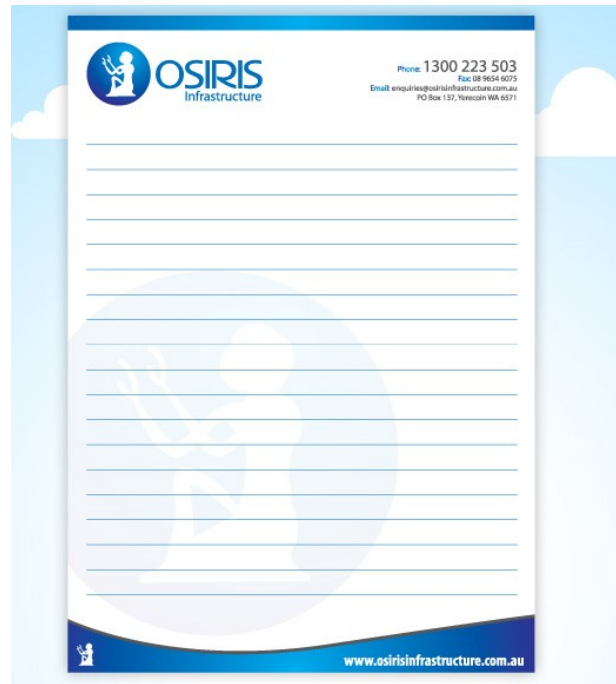


Notepads

Note Pads printed on ComColor Inkjet come out flat as there is no heat. Inkjet color makes the pads more appealing.

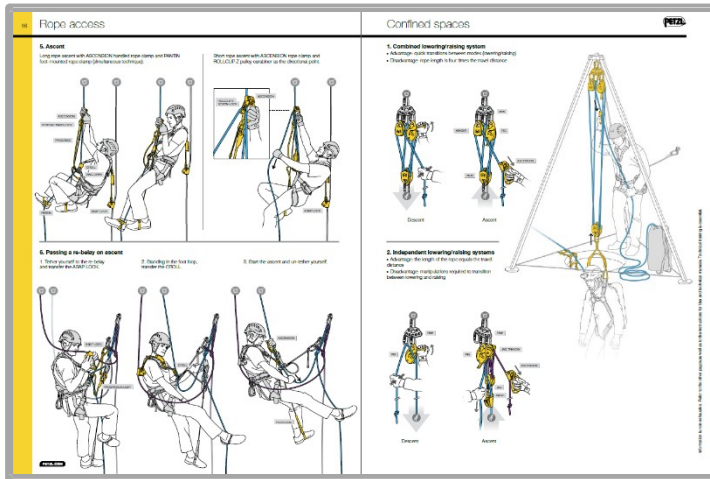
Notepads are often seen:

- Hotel Lobbies
- Training Classes
- Conference Centers
- Hotel Rooms
- Trade Shows
- Education
- Hospitals



Training Manuals

Manuals have historically been printed in black & white. This has primarily been for speed and cost reasons. Recent studies have concluded that color is useful in identifying important topics, and improving the retention of information in charts and diagrams. Obviously, most photographed objects are better represented with color.



Less than
2 Cents
Per
Page
(Letter size)

RISO ComColor GD is well suited to this application. The printed sheets will exit the printer, cold, flat, and dry, leaving the printed paper in the ideal condition for offline finishing. The GD series also supports multiple online accessories to provide folded, stapled, or even perfect binding of your completed manuals.



Tyvek Wristbands and other substrates

This application highlights the versatile print capability and robust feed system of the ComColor GD printer.

Increase the effectiveness of these wristbands by offering the ability to put vital information on them using the same printer that prints out the agenda for the same event!



- Concerts
- Events
- Field Trips
- Sporting Events
- Amusement Parks

Many other unique substrates work well with the ComColor GD.

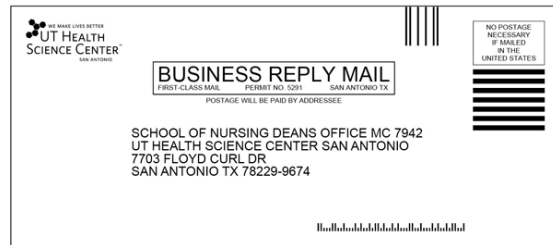
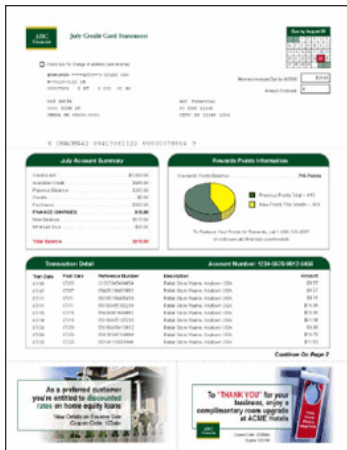
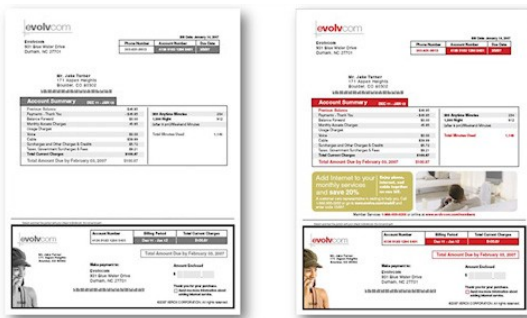
- Teslin ID cards
- Tear resistant maps
- Feed tags
- Label stock
- Pressure seal stock

Transaction Printing

This is where it all started for inkjet. The major print organizations who deal with these types of jobs needed something that was fast, affordable, color, and variable in nature. This is what drove the implementation of inkjet technology. Today we find inkjet permeate so many other aspects of the print industry.

The ComColor GD offers:

- Up to 9600 printed invoices per hour
- Up to 4500 duplexed per hour
- Add color for less than 2 cents per copy
- “Flat” unheated output makes for easier post process insertion



Products and Accessories

The ComColor GD Series features high-volume production capabilities similar to its predecessor the ComColor X1. However, significant enhancements have been made to the main printer and accessories to make it a better fit for the light production Inkjet market. The ComColor GD series offers high productivity for any workplace.

Enhanced features of the main printer:



- Enhanced Print Quality
- Higher Productivity
- Higher Durability

Accessories to enhance capabilities:

Additional Accessories:

- Facedown finisher
- Multi-function finisher
- High Capacity Feeder & Stacker
- Perfect Binder
- Envelope Wrapping Finisher
- Scanner
- ComColor Express 2000C Fiery Controller

Both models of the GD series product line with enhancements as described next:

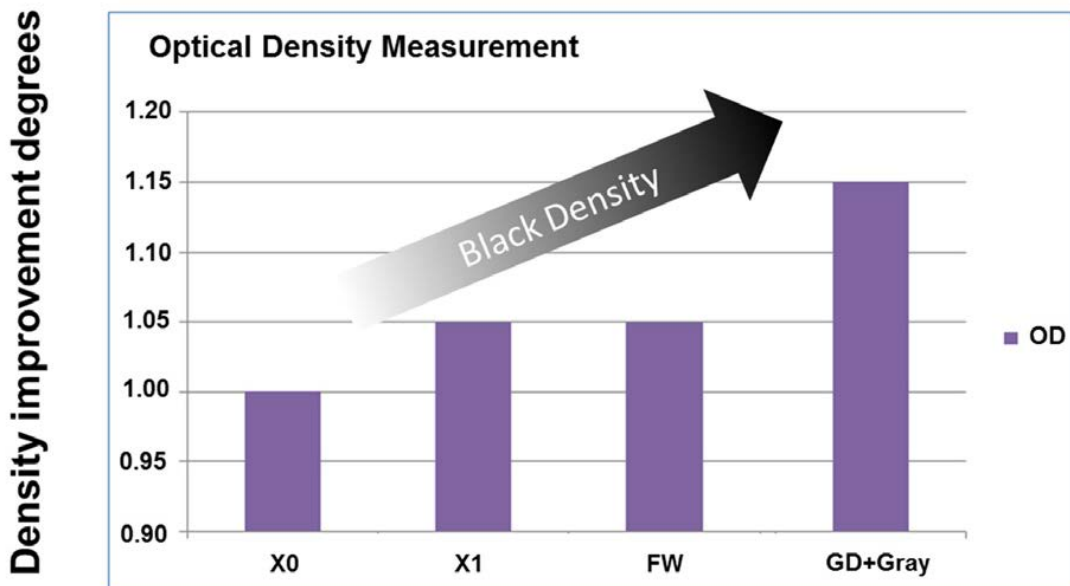
Model	Print Area	Print Speed	Multi Tray	
GD 9630 Product code: S-7235W	Ledger (12 3/8" × 21 19/32")	160ppm (letter)	500 sheets × 3 trays	
GD 7330 Product code: S-7238W	Ledger (12 3/8" × 21 19/32")	130ppm (letter)	500 sheets × 3 trays	

The ComColor GD Series is very versatile with the ability to configure solutions to meet the needs of the customer. Accessories such as the High Capacity Feeder, High Capacity Stacker and ComColor Express FS2000C (Fiery Controller), expand its capabilities, providing new applications to further penetrate existing customers and markets while expanding into **NEW** markets.

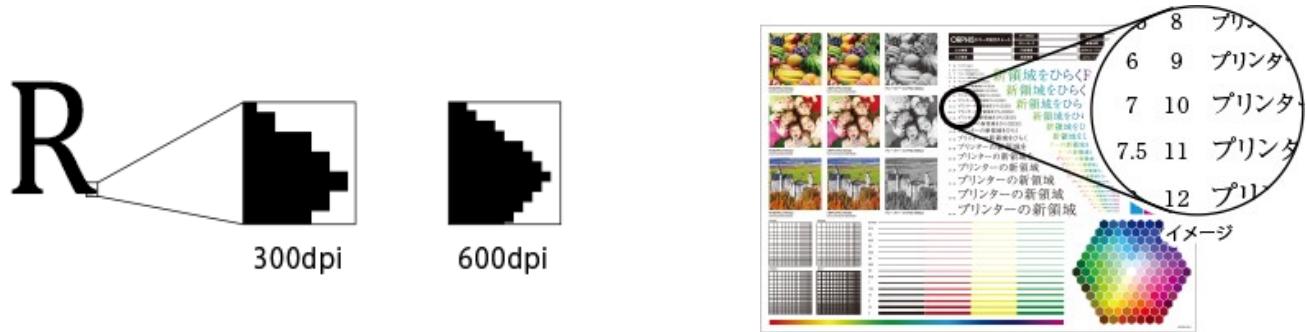


The ComColor GD Series has significant enhancements as outlined below. To put into perspective, the “Productivity Enhancements” and “Image Quality Enhancements” will follow.

RISO strives to obtain the best image quality possible with “FORCEJET Technology.” The new ComColor GD Series ink formulation includes a denser black ink, and with the addition of the new gray ink, the optical density of black printing has greatly surpassed our previous generations of Inkjet. The enhancement will help penetrate all markets, especially when converting transactional documents in advertising vehicles as in trans-promotion.



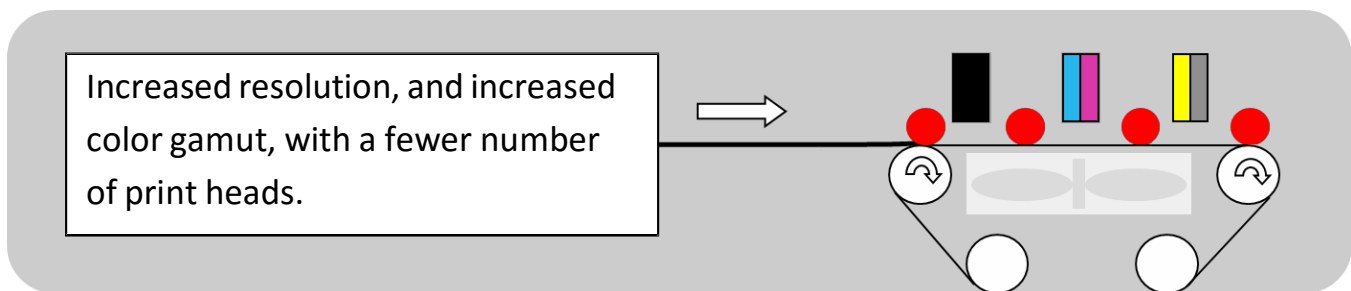
The black ink is also now printed at 600 x 600dpi. This allows for smooth reproduction of smaller and finer fonts, and can improve accuracy in barcode recognition.



The new GD high intensity magenta ink reproduces more vibrant pinks, oranges, and reds. The addition of gray ink helps in many ways. First it is added to the black ink to increase the optical density without shifting to cool or warm black color. Gray produces neutral tones without adding the appearance of cyan or magenta speckling in skin tones and pastels. Of course gray ink allows for superb linearized grayscale gradients and fills.



The GD has improved quality with the addition of a fifth color (gray), while decreasing the number of print heads. Each print head has two sides that can print independent ink colors. The GD utilize two sides of one head to expand the print resolution of black ink to 600 x 600dpi.



The ComColor GD Series includes design improvements in the paper feeding, and the paper path which results in:

- **Quieter operation** – Especially useful in workgroup/office environments
- **Improved Envelope Feeding** – The design enhancements to the paper path provide increased reliability in envelope feeding which also increases productivity.

Design Highlights

Looking at the overall design we can see that the Gray color has been carried all the way down the front of the machine through the trays.

Additionally, the handle to open both front doors has been moved to the top of the machine allowing one to access it without having to bend over.

The touch panel is now 9 inches but is adjustable up to 90 degrees like the FW. As mentioned in does have a different interface than that of the FW panel although similar in look overall.

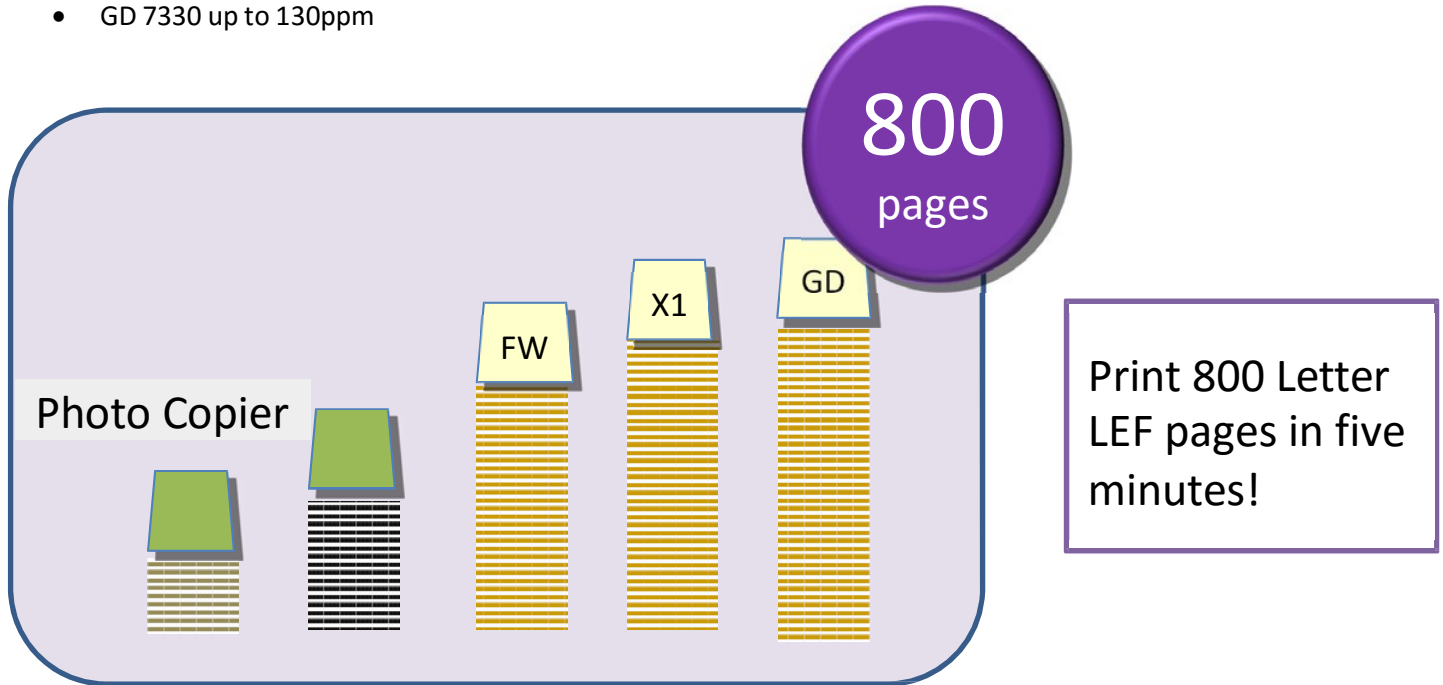
The 3 paper trays below the print path have expanded capacity like the FW for an additional 6mm in each tray, which gives approximately 50 more sheets in each tray as compared to the X1 series.



Improved Performance

Increased print speed:

- GD 9630 up to 160ppm
- GD 7330 up to 130ppm



Environmental Standards

RISO has always been a leader with environmental standards. As we can see here in multiple countries we are meeting specific environment standards. In the US we now are EPEAT certified. Thanks to the additional feature of slow printing mode, we fall under the requirements for operating noise making us a leader in that category.



Energy Star Certified



EPEAT (USA)



Chinese Eco Label



Blue Angel (Germany)

Features and Benefits

Outlined below are features, advantages, and benefits of the ComColor GD Series including new features that were available with the ComColor Models and are still an integral part of the new series. These new FABs listed below are in addition to the GD Series enhancements previously discussed. Some of these features are enhancements to the features that were available with the ComColor and identified as such below:

Feature	Advantage	Benefit
New ink formulation	More vibrant colors, Improved gray tones, and Improved black density	Higher quality!
Improved Acoustics	Design refinements in paper feeding, and substantial feed path and panel insulation!	Quieter operation!
Large tilt-able operation panel	Designed to improve access for greater accessibility.	Ease of Use!
Faster Production Speeds	Time to first print, scanning speed, variable data processing, printing with finisher.	Increased productivity!
Printing at full speed for long runs and large files	Faster processing.	Increased productivity!
Reduction in Typical Energy Consumption	Design improvements reduce power consumption.	Environmentally conscious!
Power Schedule	Added to enable programming power for optimum use especially with certain options.	Environmentally conscious!
Universal Color Design	Worldwide standard for buttons and switches.	User friendly providing ease of operation!
USB Memory Printing	Print jobs stored on a USB flash drive in RISO prn format	Storing jobs remotely to be printed when possible, for
Changing Print Density in Copy Mode	Print density can be adjusted in 5 steps in Copy Mode.	Optimize printing for hard copy originals, versatility!
Bar Code Printing Optimization	Defining the area of the bar code to print in lighter black	Increased barcode reading reliability.
Staple Speed Priority	Simplex printing/stapling can be done through finisher	Increased productivity allowing
Network Setting for IPV6, IPsec	Operation in IPV6, IPsec can be set	Required operation in more net- work environments.

Feature	Advantage	Benefit
Intuitive User Interface 9" LCD Control Panel	Built-in LCD user interface that is easy to navigate. Customized short-cuts for frequently used functions.	Easy of operation, simplifies the learning process, ensures consistency across device.
Draft Print	Consumes less ink when printing	Reduced cost for specific applications
Print Data Compression	Reduces file size of print job	Enables choice of network communication speed over quality
User Management	Up 1000 registered users set by Administrator, set restrictions on copy, scan and print functions.	Cost savings and Administrative controls with users, limitations on color printing where needed.
IC Authentication Kit	PIN-less access via programmed control cards, Admin can set copy and print limits, color & b/w.	Cost savings and Admin control of users accessibility and copy/print limits.
Auto Color Recognition	Senses color and b/w pages within a document for copying and printing.	Cost reduction, b/w pages will be printed in b/w and color accordingly. b/w crisper, not process black.
Mono- Color Printing	Enables only cyan or magenta to be printed if selected. Converts b/w and color to mono color.	Cost reduction, uses only cyan or magenta ink when selected.
Mixed-Size Printing	Users can scan different sizes together or print from computer and output to the respective size.	Jobs requiring different size prints can be done in a single operation increasing productivity.
Job Programming (Walk-up & driver)	Users definable programming for # copies, collating, slip sheet, sets, groups, other options	Increases operator productivity to set job parameters prior to printing.
Save Job Settings (Walk-up & driver)	User can name and save the settings of a particular job for future use.	Increases productivity by enabling frequently run jobs to be have set- tings saved by job name.
Imposition	Select the type of layout on how originals are arranged for printing, multi-up, booklet, etc.	Gives versatility to the user to do imposition on the printer instead of the original program design.
Multi-up printing (plural or single)	Select the number of pages and how they will lay out on the print. Same page multi-up or consecutive pages multi-up on a single sheet.	Gives versatility to the user for sequencing jobs, and 2+ up per print for both plural and single multi-up modes.
Front Loading Supplies	The 1000cc CMYKG cartridges are easily front loaded. Remove & Insert!	Ease of operation for the user by opening front doors and loading.

Feature	Advantage	Benefit
Add Cover	Allows you to add pre-printed or colored sheets for automatic insertion as front or back cover.	Document quality enhancement.
Compact Design	Because the ComColor GD does not use heat, it has a small physical footprint.	Space is of a premium in both production and workgroup environments. Easily fits into limited
Secure Print	Confidential jobs can have a PIN code assigned, only the user and the Administrator have access.	Security of confidential information is of great importance especially with new regulations, e.g. HIPAA
Gamma Control/Screening	The user can adjust the color and add screening if necessary.	This versatility enables the user to optimize the quality of the output.
Face Down Printing	Enables easy simplex printing enhanced by new Face Down Finisher.	Easy of operation for simplex jobs, does not require page order change based on first in first out.
Watermark	A background watermark can easily be added to the document.	Productivity is enhanced by labeling or changing document look without having to change the original.
Line smoothing	Adds information based on algorithms to smooth objects and text.	Enhances the quality of the print.
Add cover/slip sheet	A cover can be added or a slip sheet can be inserted to separate jobs.	This adds versatility and productivity without using offline finishing and inserting or do it manually.
Power save	The GD Series has enhanced this feature with the Power Scheduler.	This saves energy and cost and adds to environmental friendliness.
Blank page removal	Blank pages are sensed and can be eliminated by selection in driver.	Saves paper and contributes to cost savings and environmental friendliness.
500,000 Duty Cycle	Every model in the GD product line is rated at 500,000 prints per month. It is designed for production.	Unlike toner-based systems that do not operate reliably at their rated duty cycle. ComColor GD runs reliably at its rated duty cycle.
Paper Sources with GD 9630 & GD 7330 Models	Standard Feed Tray = 1000 sheets (3) 500 sheet drawers = 1500 sheets; Total Capacity 2500 sheets	Versatility of paper stocks and paper sizes and productivity with continuous operation when running same size paper from all sources.
Tray Calls (dynamic)	Using paper from different trays by page within a document is possible using the PS-Kit or FS2000C Controller. The file must contain the postscript information calling for specific trays.	The versatility of tray calls enables a document to be printed using different paper sources for size or stock by page number.

There are two models in the ComColor GD Series of Inkjet Printer offering flexibility to configure the system that is most appropriate to meet the needs of your customers. Combined with the GD Accessories and the ComColor FW Series, RISO meets the needs in a wide variety of markets and applications, print & mail production environments, and workgroup environments where it can be justified.

Positioning:

- High speed, low cost b/w & color printing
- High speed, peak period printing
- Envelopes on demand



Marketing Strategy:

- Finance
- Healthcare
- Insurance
- Power/Utility Markets
- Higher Education
- Centralized Government In-plants
 - Local, State, Federal
- Large Municipalities
 - Water & Sewer
 - Tax Collector
 - Property Appraisers
 - Courts
 - Parks & Recreation
- E-Commerce, Distributors & Catalog Retail - Distribution Logistics



Competition:

- Outsourcing
- Multiple Color Copiers
- Multiple Printers

ComColor GD 9630 Specifications

Print Type		Line-type inkjet system
Ink Type		Oil-based pigment ink (Cyan, Magenta, Yellow, Black, Gray)
Print Resolution		Standard/High Chromogenic: Black 600 dpi (main scanning direction) x 600 dpi (sub-scanning direction) Cyan, Magenta, Yellow, Gray: 300 dpi (main scanning direction) x 300 dpi (sub-scanning direction)
		Fine: Standard/High Chromogenic: Black 600 dpi (main scanning direction) x 600 dpi (sub-scanning direction) Cyan, Magenta, Yellow, Gray: 300 dpi (main scanning direction) x 600 dpi (sub-scanning direction)
Number of Gray Levels		Black: 4 gray levels Cyan, Magenta, Yellow, Gray: 12 gray levels
Data Processing Resolution		Standard/High Chromogenic Black: 600 dpi x 600 dpi Cyan, Magenta, Yellow, Gray: 300 dpi x 300 dpi
		Fine: Black: 600 dpi x 600 dpi Cyan, Magenta, Yellow, Gray: 300 dpi x 600 dpi
		Line smoothing: 600 dpi x 600 dpi
Warm-up Time		2 min. 30 sec. or less (at room temperature 73.4°F)
First Print Time*1		5 sec. or less (Letter long-edge feed)
First Copy Time*1		7 sec. or less (Letter long-edge feed)
Continuous Print Speed	Letter short-edge feed	Simplex: 120 ppm, Duplex: 60 sheets/minute (120 ppm)
	Legal short-edge feed	Simplex: 104 ppm, Duplex: 44 sheets/minute (88 ppm)
Paper Size	Standard Tray	Maximum: 13 ³ / ₈ " x 21 ⁵ / ₈ "
		Minimum: 3 ⁹ / ₁₆ " x 5 ²⁷ / ₃₂ "
	Feed Tray	Maximum: 11 ¹¹ / ₁₆ " x 17"
		Minimum: 7 ³ / ₁₆ " x 7 ³ / ₁₆ "
Printable Area		Maximum: 12 ³ / ₈ " x 21 ¹⁹ / ₃₂ "
Guaranteed Print Area		Standard: Margin width of 1/8" (3mm)
		Maximum: Margin width of 3/64" (1mm)
Paper Weight	Standard Tray	Simplex: 46 gsm to 210gsm (12-lb bond to 56-lb bond)
		Duplex: 46 gsm to 210gsm (12-lb bond to 56-lb bond) for Letter size
		Duplex: 46 gsm to 104gsm (12-lb bond to 28-lb bond) for Legal and Ledger size
	Feed Tray	Simplex: 52 gsm to 104gsm (14-lb bond to 28-lb bond)
Duplex: 52 gsm to 104gsm (14-lb bond to 28-lb bond)		
Paper Tray Capacity	Standard Tray	Height up to 4 5/16"
	Feed Tray	Height up to 2 3/16" (x 3 trays)
Output Tray Capacity		Height up to 2 3/8"
PDL (Page Description Language)		RISORINC/C IV
Supported Protocols		TCP/IP, HTTP, HTTPS (TLS), 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), Windows Server® 2012 R2 (64-bit)
	Optional*5	Mac OSX 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 (2 ch)
Memory Capacity		4 GB
Hard Disk	Capacity	500 GB
	Available Space	Approx. 430 GB
Operating System		Linux
Power Source		AC 100 V-240 V, 12.0 A-6.0 A, 50-60 Hz
Power Consumption		Max: 1,200 W
		Ready: 150 W or less
		Sleep: 4 W or less
		Stand-by: 0.5 W or less
Operating Noise		Max. 66 db (A) Letter long-edge feed (Simplex) at the maximum print speed
Operating Environment		Temperature: 59° to 86° F
		Humidity: 40% to 70% RH (non-condensing)
Dimensions (W x D x H)		In use: 48 1/32" x 28 17/32" x 45 21/32"
		With cover and tray closed: 45 21/32" x 27 3/4" x 39 15/16"
Weight		Approx. 386 lb
Safety Information		IEC60950-1 compliant, indoor, pollution degree 2, At altitudes of 2000 m or lower.

ComColor GD 7330 Specifications

Print Type	Line-type inkjet system	
Ink Type	Oil-based pigment ink (Cyan, Magenta, Yellow, Black, Gray)	
Print Resolution	Standard/High Chromogenic: Black 600 dpi (main scanning direction) x 600 dpi (sub-scanning direction) Cyan, Magenta, Yellow, Gray: 300 dpi (main scanning direction) x 300 dpi (sub-scanning direction)	
	Fine: Standard/High Chromogenic: Black 600 dpi (main scanning direction) x 600 dpi (sub-scanning direction) Cyan, Magenta, Yellow, Gray: 300 dpi (main scanning direction) x 600 dpi (sub-scanning direction)	
Number of Gray Levels	Black: 4 gray levels Cyan, Magenta, Yellow, Gray: 12 gray levels	
Data Processing Resolution	Standard/High Chromogenic Black: 600 dpi x 600 dpi	
	Cyan, Magenta, Yellow, Gray: 300 dpi x 300 dpi	
	Fine: Black: 600 dpi x 600 dpi	
	Cyan, Magenta, Yellow, Gray: 300 dpi x 600 dpi	
Line smoothing: 600 dpi x 600 dpi		
Warm-up Time	2 min. 30 sec. or less (at room temperature 73.4°F)	
First Print Time ^{*1}	5 sec. or less (Letter long-edge feed)	
First Copy Time ^{*1}	7 sec. or less (Letter long-edge feed)	
Continuous Print Speed	Letter short-edge feed	Simplex: 104 ppm, Duplex: 52 sheets/minute (104 ppm)
	Legal short-edge feed	Simplex: 90 ppm, Duplex: 42 sheets/minute (84 ppm)
Paper Size	Standard Tray	Maximum: 13 ³ / ₈ " x 21 ⁵ / ₈ "
		Minimum: 3 ⁹ / ₁₆ " x 5 ²⁷ / ₃₂ "
	Feed Tray	Maximum: 11 ¹¹ / ₁₆ " x 17"
		Minimum: 7 ³ / ₁₆ " x 7 ³ / ₁₆ "
Printable Area	Maximum: 12 ³ / ₈ " x 21 ¹⁹ / ₃₂ "	
Guaranteed Print Area	Standard: Margin width of 1/8" (3mm)	
	Maximum: Margin width of 3/64" (1mm)	
Paper Weight	Standard Tray	Simplex: 46 gsm to 210gsm (12-lb bond to 56-lb bond)
		Duplex: 46 gsm to 210gsm (12-lb bond to 56-lb bond) for Letter size
	Feed Tray	Duplex: 46 gsm to 104gsm (12-lb bond to 28-lb bond) for Legal and Ledger size
		Simplex: 52 gsm to 104gsm (14-lb bond to 28-lb bond)
Paper Tray Capacity	Standard Tray	Height up to 4 5/16"
	Feed Tray	Height up to 2 3/16" (x 3 trays)
Output Tray Capacity	Height up to 2 3/8"	
PDL (Page Description Language)	RISORINC/C IV	
Supported Protocols	TCP/IP, HTTP, HTTPS (TLS), 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), Windows Server® 2012 R2 (64-bit)
	Optional*5	Mac OSX 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 (2 ch)	
Memory Capacity	4 GB	
Hard Disk	Capacity	500 GB
	Available Space	Approx. 430 GB
Operating System	Linux	
Power Source	AC 100 V-240 V, 12.0 A-6.0 A, 50-60 Hz	
Power Consumption	Max: 1,200 W	
	Ready: 150 W or less	
	Sleep: 4 W or less	
	Stand-by: 0.5 W or less	
Operating Noise	Max. 66 db (A) Letter long-edge feed (Simplex) at the maximum print speed	
Operating Environment	Temperature: 59° to 86° F	
	Humidity: 40% to 70% RH (non-condensing)	
Dimensions (W x D x H)	In use: 48 1/32" x 28 17/32" x 45 21/32"	
	With cover and tray closed: 45 21/32" x 27 3/4" x 39 15/16"	
Weight	Approx. 386 lb	
Safety Information	IEC60950-1 compliant, indoor, pollution degree 2, At altitudes of 2000 m or lower.	

GD Accessories

Feeder & Stackers	S-3370	Wide Stacker
	S-4853	Auto-Ctrl Stacking Tray
	S- 7343G	High Capacity Feeder G10
	S-7349G	High Capacity Stacker G10
Finishing	S-7346	Face Down Finisher F10
	S-7350U	Multi-Function Finisher II 2/3H FG10
	S-7354U	Perfect Binder G10U 100-120v
	S-7355U	Wrapping Envelope Finisher G10U
Scanner	S-7341G	HS7000 Scanner (Including ADF)
	S-7342	HS7000 Stand
External Fiery Controller	S-7358	ComColor Express FS2000C
	S-7376	Fiery Impose
	S-7377	Fiery Compose
	S-7378	Fiery Impose-Compose
	S-7379	Fiery Job Master
	S-7380	Fiery Job Master-Impose
	S-7381	Fiery Job Flow
	S-7375	Fiery Graphics Arts Package, Premium Edition
	S-7385	Fiery Color Profiler Suite 4 x Software Only
	S-7384	Fiery Color Profiler Suite 4 with ES-2000
	S-7383	EFI ES-20000 Spectrophotometer
	S-7382	External HDD Kit
Embedded Postscript Kit	S-7394	PS-Kit FG10

Multi-Function Finisher FG10

This option provides convenient in-line finishing functions such as collating, offset stacking, punching, stapling, folding, and booklet making.

- **Stapling** — One staple for corner stapling and two staples for top and side stapling offers flexibility in binding for up to 100 sheets of paper.
- **Punching** — 2/3-hole punching can be accomplished with or without stapling.
- **Folding** — The two-fold capability handles up to 5 sheets of paper providing for 20 page booklets.
- **Booklet making** — Saddle stitching with 2 center staples is capable of binding 60-page booklet (15 sheets of paper).

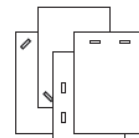
Product Code: S-7350U

Positioning:

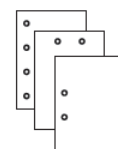
- Versatility of in-line finishing where this capability is required.
- In-plants & CRD's with applications that require in-line finishing.

Market Strategy:

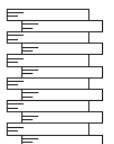
- Higher Education In-plants & CRD's.
- Centralized Government - Local, State, and Federal.
- Commercial In-plants and CRD's based on application requirements.
- K-12 Education Public & Private Centralized District Print Shops.
- Non-profit centralized Print Shops & CRD's including religious organizations.



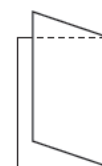
Staple



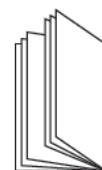
Punch



Offset Stack



Fold



Booklet Fold



Booklet Fold and Staple

Multifunction Finisher FG10 Specifications

Type		External Unit
Tray Type	Top Tray	Collating, Stacking
	Stacking Tray	Collating, Offset Stacking
	Booklet Tray	Booklet Making
Paper Size	Top Tray ^{*1}	Maximum: 13" x 19 3/16" Minimum: 3 15/16" x 5 27/32"
	Stacking Tray ^{*1}	Maximum: 13" x 19 3/16" Minimum: 7 3/16" x 7 3/16"
	Booklet Tray ^{*1}	Maximum: 13" x 18" Minimum: 8 1/4" x 11"
Paper Weight	Top Tray	52 gsm to 210 gsm (14-lb bond to 56-lb bond)
	Stacking Tray	52 gsm to 210 gsm (14-lb bond to 56-lb bond)
	Booklet Tray	60 gsm to 90 gsm (16-lb bond to 24-lb bond) (cover: 60 gsm to 210 gsm (16-lb bond to 56-lb bond))
Tray Capacity	Top Tray	Height up to 1 15/16"
	Stacking Tray	Height up to 7 7/8"
	Booklet Tray	Height up to 1 15/16"
Stapling	Maximum Number of Staples ^{*2}	100 sheets A4, A4 long-edge feed, B5(JIS) long-edge feed, Letter, Letter long-edge feed 65 sheets A3, B4(JIS), Ledger, Legal, Foolscap
	Paper Size	Maximum: 297 mm x 432 mm (11 11/16" x 17") (equivalent to A3) Minimum: 203 mm x 182 mm (8" x 7 3/16") (equivalent to B5(JIS) long-edge feed)
	Staple Position	1 at front side (angle stapling), 1 at rear side (angle stapling ^{*3} , parallel stapling), 2 at center (parallel stapling)
Punching	Number of Punches	2 holes, 3 holes 2 holes, 4 holes
	Paper Size	2 holes: A3, B4(JIS), A4 long-edge feed, A4, B5(JIS) long-edge feed, Ledger, Legal, Letter long-edge feed, Letter 3 holes: A3, B4(JIS), A4 long-edge feed, B5(JIS) long-edge feed, Ledger, Letter long-edge feed 4 holes: A3, A4 long-edge feed, Ledger, Letter long-edge feed
	Paper Weight	52 gsm to 200 gsm (14-lb bond to 53-lb bond)
Creating a Booklet (Center Margin)	Maximum Number of Sheets ^{*2,4}	Center margin: 15 sheets (60 pages)
Power Source		AC 100 V - 240 V, 2.0 A – 1.0 A, 50 Hz - 60 Hz
Power Consumption		Max: 175 W
Operating Noise ^{*6}		Max. 68 dB or less
Dimensions (W x D x H)		44 3/32" x 30 1/8" x 44 1/2"
Required Space with Printer (W x D x H)		91 5/32" x 50 13/32" x 45 11/16"
Weight		Approx. 289 lb
Safety Information		IEC60950-1 compliant, indoor, pollution degree 2 ^{*5} , At altitudes of 2000 m or lower.

*1 When color printing on paper that is longer than 17", the image printed beyond 17" may be distorted.

*2 When using plain paper or recycled paper (85 gsm (23-lb bond))

*3 Rear-side angle stapling is only available for A4 long-edge feed and A3.

*4 Includes an added cover.

*5 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

Face Down Finisher F10

This compact accessory features offset stacking, corner stapling, and 2 staple finishing options for up to 50 sheets of paper. The option also increases the capacity of the Com Color GD Printer output with the ability to hold 1000 sheets and print at the full speed of the printer when used only for stacking.

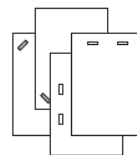
Product Code: S- 7346

Positioning:

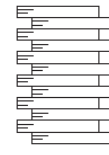
- Workgroups where some in-line finishing is required or walk-up environments with the HS7000 Scanner.
- Centralized printing environments with limited space and/or some finishing requirements.
- Production environments where additional output capacity is required.

Market Strategy:

- All markets with higher volume workgroup environments and walk-up requirements with the HS7000 Scanner.
- In-plants and CRD's in all markets where additional output capacity is required or have limited finishing requirements.



Staple



Offset
Stack

Face Down Finisher G10 Specifications

Type	External Unit
Finishing Functions	Offset Stacking, Staple
Paper Size	Without Offset Maximum: 13 3/8" x 21 5/8" Minimum: 3 9/16" x 5 27/32"
	Offset Output Regular-sized paper width: 7 3/16" x 10 1/8" - 11 11/16" x 17" Irregular-sized paper width: 5 3/16" x 5 27/32" - 12" x 21 5/8"
Paper Weight	46 gsm to 210 gsm (12-lb bond to 56-lb bond)
Tray Capacity	Height up to 4 1/4"
Maximum Number of Staples	50 sheets* A4, A4 long-edge feed, B5(JIS), B5(JIS) long-edge feed, Letter, Letter long-edge feed 25 sheets* A3, B4(JIS), Ledger, Legal, Foolscap *When using plain paper and recycled paper (85 gsm (23-lb bond))
Paper Size for Staple	A3, B4(JIS), A4, A4 long-edge feed, B5(JIS), B5(JIS) long-edge feed, Ledger, Legal, Letter, Letter long-edge feed, Foolscap
Paper Weight for Staple	52 gsm to 210 gsm (14-lb bond to 56-lb bond) (plain paper, recycled paper)
Staple Position	1 at front side (angle stapling) 1 at rear side (angle stapling) 2 at center (parallel stapling)
Power Source	AC 100 V - 240 V, 1.2 A - 0.6 A, 50-60 Hz
Power Consumption	Max: 110 W
Dimensions (W x D x H)	29 15/16" x 26 25/32" x 23 1/32"
Required Space with Printer (W x D x H)	56 11/16" x 48 3/16" x 52 31/32"
Weight	Approx. 66 lb
Safety Information	IEC60950-1 compliant, indoor, pollution degree 2 ¹ , At altitudes of 2000 m or lower.

*1 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

Below is a comparison of the Face Down Finisher and the Multi-Function Finisher II. As can be seen from the specifications, the Multi-Function Finisher II is designed for a production environment, whereas the FDF provides convenience stapling as found in a workgroup environment.

- Stacking capacity
- Number of sheets that can be stapled
- Stapling productivity
- Stapling versatility
- Punching capability
- Booklet making capability
- Folding



Finisher Comparison

Capability Comparison	Face Down Finisher	Multi-function Finisher II
Maximum output speed	160ppm (GD9630, Letter-R, Simplex) 130ppm (GD7330, Letter-R, Simplex)	125ppm (GD9630, Letter-R, Simplex) 125ppm (GD7330, Letter-R, Simplex)
Stacking capacity	1000 sheets	2000 sheets
Punch	N/A	2/3
No. of sheets for Stapler	50sheets(Letter) 25(Ledger)	100sheets(Letter) 65(Ledger)
Stapling position	1 at front (angle) 1 at rear (angle) 2 at center (straight)	1 at front (angle) 1 at rear (angle/straight) 2 at center (straight)
Stapling productivity	45pages/min (GD9630, GD7330, Letter-R, Simplex/ Duplex, Corner 1 staple, 10-page x 10 sets)	74sheets/min (GD9630, Letter-R, Simplex, Corner 1 staple, 10-page x 10 sets) 60sheets/min (GD7330, Letter-R, Simplex, Corner 1 staple, 10-page x 10 sets)
Booklet making & Folding	N/A	Saddle stitched booklets, center stapled and folded up to 15 sheets or 60 pages.
Staples capacity	5000pcs	5000pcs
Power source	100-240V	100-240V

HS7000 Scanner

This full color scanning option provides superior performance with high resolution at 600 dpi, high speed up to 100 ppm, and an automatic document feeder with 100 sheet capacity. The scanner provides walk-up copying capability with the ComColor FW Printer and provides MFP functionality by scanning and storing hard copy documents from the glass platen or Automatic Document Feeder in PDF, TIFF, and PDF/A formats.

*Product Code: S - 7341G (Main Unit)
S- 7342 (Scanner Stand FG10)*

Positioning:

- Workgroup environments requiring walk-up copying and scanning capability.
- Centralized Print Shops requiring hardcopy scanning and copying capability.

Market Strategy:

- Workgroup walk-up functionality in commercial, education, non-profit, government, and print-for-pay markets.
- Applications in all markets where higher volume copying, scanning and printing is required.
- The flexibility of configuring the ComColor FW Printer with the appropriate accessories to meet the demands of the applications

Examples:

Workgroup - ComColor FW Printer/
HS7000/Face Down Finisher

Centralized Print Shops - ComColor FW
Printer/HS7000 Scanner/Multi-Function Finisher II



Scanner HS7000 Specifications

Type		Flat Bed Scanner with Automatic Document Feeder (ADF)
Scanning Modes		Copy mode: Color, Monochrome, Auto, Cyan, Magenta Scan mode: Color, Monochrome, Auto, Grayscale
Scanning Resolution		600 dpi, 400 dpi, 300 dpi, or 200 dpi
Maximum Scanning Area		11 15/16" x 17" (when using platen glass) 11 5/8" x 16 15/16" (when using ADF)
Copy	Writing Resolution	Standard: 300 dpix 300 dpi Fine: 300 dpix 600 dpi
	Copy Paper Size	Maximum: 11 15/16" x 17" (equivalent to A3)
	First Copy Time	Monochrome/Color: 7 sec. or less (when copying A4/Letter long-edge feed orientation using Color Priority Mode)
	Copying Speed	Simplex copying (A4/Letter long-edge feed, using ADF): 70 ppm or higher Duplex copying (A4/Letter long-edge feed, using ADF): 70 ppm or higher
	Reproduction Size	50% to 200% (Copy mode) 50% to 200% (Scanner mode, resolution: 200/300 dpi), only 100% (Scanner mode, resolution: 400/600 dpi)
Auto Document Feeder	Type	Original source displacement (capable of scanning both sides of a document by simultaneous duplex scanning)
	Original Size	Maximum: 11 11/16" x 17" (equivalent to A3) Minimum: 3 15/16" x 5 27/32"
	Paper Weight	52 gsm to 128 gsm (14-lb bond to 34-lb bond)
	Original Capacity	Max. 200 sheets: 80 gsm (21-lb bond), Height up to 1"
Scan	Scanning Gray Levels	10-bit input and 8-bit output for each RGB color
	Scanning Speed	Monochrome/Color: 100 ppm *RISO KAGAKU standard original (A4/Letter long-edge feed), 300 dpi, JPEG, PDF, when stored to main unit hard drive
	Network Interface* ¹	Ethernet 1000BASE-T/100BASE-TX/10BASE-T
	Data-saving Method* ¹	Save to main unit hard drive, server, or USB flash drive, or send by e-mail
	Data-saving Format* ¹	Monochrome: TIFF, PDF, PDF/A Grayscale/Full Color: TIFF, JPEG, PDF, PDF/A
Power Source		AC 100 V - 240 V, 1.2 A - 0.6 A, 50 Hz - 60 Hz
Power Consumption		Max: 100 W
Dimensions (W x D x H)		25 3/16" x 22 1/16" x 10 1/32"
Required Space with Printer (W x D x H)		48 5/8" x 52 31/32" x 64 3/8"
Weight		Approx. 55 lb
Safety Information		IEC60950-1 compliant, indoor, pollution degree 2 ² , At altitudes of 2000 m or lower.

*1 Via the internal host controller.

*2 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

High Capacity feeder

The High Capacity Feeder increases the printing capacity of the ComColor GD series standard tray to 4,000 sheets* without replenishing the paper. A wider range of print jobs is possible through thicker paper and envelopes, as well as Ledger-size paper. With use of multiple trays, the High Capacity Feeder allows 5,500 sheets of paper to be loaded for continuous feeding. Maximize the benefits of high speed printing with uninterrupted, high volume print runs without pausing to reload paper.

Product Code: S – 7343G



High Capacity Feeder G10 Specifications

Type	External Unit
Paper Size	Maximum: 13 3/8" x 18 5/16" Minimum: 3 9/16" x 5 27/32"
Paper Type and Weight	46 gsm to 210 gsm (12-lb bond to 56-lb bond) (plain paper, recycled paper, envelopes, postcards)
Tray Capacity	Height up to 17 11/32"
Power Source	AC 100 V-240 V, 1.0 A-0.5 A, 50-60 Hz
Power Consumption	Max: 100 W
	Ready ^{*1} : 30 W or less
	Sleep ^{*2} : 30 W or less
	Stand-by: 0.5 W or less
Operating Noise	Max. 68 db (A) Letter long-edge feed (Simplex) at the maximum print speed
Dimensions (W x D x H)	61 5/8" x 48 13/16" x 45 11/16"
Required Space with Printer (W x D x H)	48 1/32" x 28 17/32" x 45 21/32"
Weight	Approx. 152 lb
Safety Information	IEC60950-1 compliant, indoor, pollution degree 2 ^{*3} , At altitudes of 2000 m or lower.

*1 Without printing operation

*2 When setting (Power Consumption (in Sleep)) to [Low].

*3 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

High Capacity Stacker

The High Capacity Stacker can be set to stack face up or face down. The sets are stacked so that they are offset. This option allows stacking of larger output volumes with reduced user intervention. Convenient removal and transport of the printed output is possible using the High Capacity Stacker Cart. Like the High Capacity Feeder, the High Capacity stacker can hold 4,000* sheets of paper.

Product Code: S-7349G



High Capacity Stacker G10 Specifications

Type	External Unit
Finishing Functions	Collating, Offset Stacking
Paper Size	Maximum: 13 3/8" x 18 1/8" Minimum: 3 9/16" x 5 27/32" Offset: 3 9/16" x 7 3/16" – 13 3/8" x 17" (Envelopes are not acceptable.)
Paper Type and Weight	46 gsm to 210 gsm (12-lb bond to 56-lb bond) (plain paper, recycled paper, postcards)
Tray Capacity	Collating: Height up to 17 11/32" ^{*1} Offset: Height up to 15 15/16" ^{*2}
Power Source	AC 100 V-240 V, 1.4 A-0.7 A, 50-60 Hz
Power Consumption	Max: 140 W Ready ^{*3} : 30 W or less Sleep ^{*4} : 30 W or less Stand-by: 0.5 W or less
Operating Noise	Max. 68 db (A) Letter long-edge feed (Simplex) at the maximum print speed
Dimensions (W x D x H)	39 3/8" x 27 9/16" x 37 13/16"
Required Space with Printer (W x D x H)	87 1/32" x 51 25/32" x 45 11/16"
Weight	Approx. 298 lb
Safety Information	IEC60950-1 compliant, indoor, pollution degree 2 ^{*5} , At altitudes of 2000 m or lower.

*1 Height up to 110 mm for A5, postcards, envelopes, non-regular size paper

*2 Not applicable to A5, postcards, envelopes, non-regular size paper, etc.

*3 Without printing operation

*4 When setting (Power Consumption (in Sleep)) to [Low].

*5 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

Perfect Binder

Perfect Binder offers securely bound printed pages by means of a high-pressure gluing process. RISO registration technology assures that pages are in order and aligned when they reach this critical point. Use of the glue roll helps reduce overall power consumption and a reduction in waste compared to traditional hot-glue-pot methods. Perfect Binder increases productivity by dramatically reducing operator intervention and allowing for production of sixty-two 100-page duplex Letter sized books, printed and bound, in an hour, accommodating varying book thicknesses up to 600 pages, and handling binding from 1.5 mm to 30 mm (approximately 15 to 300 sheets).

RISO Perfect Binder Software is compatible with Adobe® PDF and Microsoft Office file formats to simplify cover design, including spine printing and print preview functions, for an efficient pre-print process. Book covers are automatically and individually trimmed to size and thickness for a professional wrap-around finish.

Product Code: S-7354U



After books have been bound, they are shingled on the internal conveyor before stacking on the receiving tray.

Perfect Binder G10 Specifications

Type	External Unit	
Finishing Type	Sealed Mail Making	
Warming-up Time	13 min. or less (at a room temperature of 73.4° F)	
Binding Speed ^{*1}	With GD9630: 62 booklets/hour GD7330: 48 booklets/hour	
Paper Size	Body page (long-edge feed): A4, B5(JIS), A5, Letter Cover sheet *2 (When cutting off the surplus part): A5: 8 1/4" x 12 3/32" - 13 15/32" B5: 10 1/8" x 14 23/32" - 16 1/8" A4: 11 11/16" x 16 15/16" - 18 5/16" Letter: 11" x 17 13/32" - 18 25/32" Cover sheet (When leaving the surplus part): A5: 8 1/4" x 11 3/4" - 15 11/16" B5: 10 1/8" x 14 3/8" - 17" A4: 11 11/16" x 16 5/8" - 18 1/8" Letter: 11" x 17 1/16" - 18 11/32"	
Paper Weight	Standard Tray	Body page: Plain paper, recycled paper 52 gsm to 128 gsm (14-lb bond to 34-lb bond) (For A5 long-edge feed, 64 gsm to 128 gsm (17-lb bond to 34-lb bond)) Cover ^{*3} : Plain paper, recycled paper, high-quality paper 80 gsm to 210 gsm (21-lb bond to 56-lb bond)
	Feed Tray	Body page: Plain paper, recycled paper 52 gsm to 104 gsm (14-lb bond to 28-lb bond) (not available with A5 long-edge feed) Cover ^{*3} : Plain paper, recycled paper, high-quality paper 80 gsm to 210 gsm (21-lb bond to 56-lb bond)
	Body Sheet Stacker	Body page: Plain paper, recycled paper 52 gsm to 128 gsm (14-lb bond to 34-lb bond)
	Cover Sheet Inserter	Cover ^{*3} : Plain paper, recycled paper, high-quality paper 80 gsm to 210 gsm (21-lb bond to 56-lb bond)
Binding Thickness (Binding Amount of Sheets)	1/16" – 1 3/16" When using plain paper (85 gsm, 23-lb bond), 15-300 sheets. Binding amount of sheets varies depending on paper type.	
Binding Side	Long side only	
Output Capacity ^{*4}	30 copies (Max. 50 sheets for a copy)	
Essential Margin ^{*5}	Body Page: Min. 7/32" Cover: Whole back side of spine, min. 7/32" on Cover 2 and Cover 3	
Corresponding File Format	Microsoft® Word2010, Excel® 2010, PowerPoint® 2010, PDF Version 1.3 to 1.7	
Power Source	Perfect Binder G10 (120) AC 100 V - 120 V, 12.0 A, 50 Hz - 60 Hz Perfect Binder G10 (200) AC 220 V - 240 V, 6.0 A, 50 Hz - 60 Hz	
Power Consumption	Max: 1500 W	
Operating Noise ^{*6}	Max. 70 dB or less (when binding)	
Dimensions (W x D x H)	50 25/32" x 26 9/16" x 44 5/16"	
Required Space with Printer (W x D x H)	108 15/32" x 48 13/16" x 45 11/16"	
Weight	Approx. 485 lb	
Safety Information	IEC60950-1 compliant, indoor, pollution degree 2 ^{*7} , At altitudes of 2000 m or lower.	

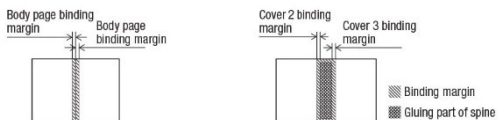
*1 The per hour speed converted based on the time required for the 5th to 10th booklet to be completed when configured with the following: Type of paper - IJ paper; Concentration - standard; and Resolution - 300 dpi.

*2 The length of the cover will vary depending on the thickness of the body pages to be bound. Paper with shorter length than body pages cannot be used.

*3 If the thickness of the booklet (spine) will be 20 mm (25/32") or more, the use of paper that is 105 gsm (28-lb bond) or heavier is recommended.

*4 When using ideal IJ paper (85 gsm (23-lb bond))

*5 • Two-page spread on the body page • Two-page spread on the cover



*6 GD9630, 160 ppm / GD7330, 130 ppm when connected to the printer, binding A4 long-edge feed

*7 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

Wrapping Envelope Finisher

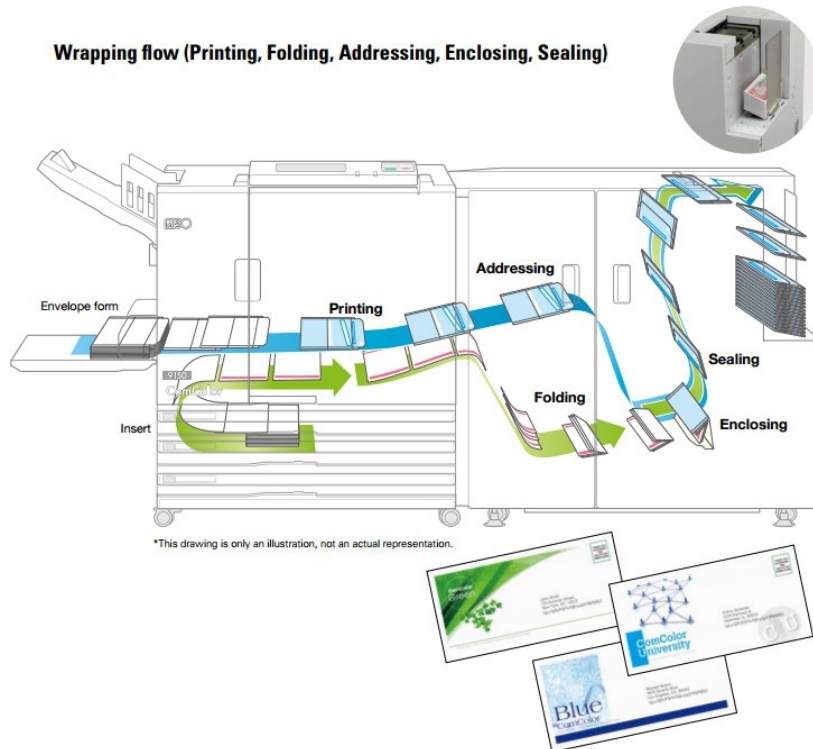
Wrapping Envelope Finisher is a unique RISO mailing solution which is the industry's first complete in-line print-to-mail solution engineered for high-volume output for professional productivity. Print and insert up to six letter sized pages (depending on weight), simplex or duplex, which are automatically wrapped and sealed in the envelope in a single pass, ready for posting.

Speeds of up to 2,400 for single page insert fully wrapped and sealed mail pieces per hour are possible. Can be used with most third party postal software to print messages, logos, addresses, postal barcodes on envelopes.

Product Code: S-7355U



Wrapping flow (Printing, Folding, Addressing, Enclosing, Sealing)



Wrapping Envelope Finisher G10 (U) Specifications

Type		In-Line Sealed Mail Making System	
Finishing Type		Sealed Mail Making	
Dedicated Paper for Envelopes		Wrapping Envelope Form C: 9 9/16" x 11 21/32" approx. 105 gsm (28-lb bond)	
Insert Paper	Size	Legal (8 1/2" x 14"), Letter (8 1/2" x 11")	
	Paper Type and Weight	Standard Tray	Plain paper, recycled paper 46 gsm to 120 gsm (12.2-lb bond to 31.9-lb bond) paper
		Feed Tray	52 gsm to 104 gsm (14-lb bond to 28-lb bond) paper
Printable Area	Dedicated Paper for Envelopes	Form C Maximum: 8 23/32" x 8 9/16"	
	Guaranteed Print Area for Inserts	Standard: Margin width of 1/8" Maximum: Margin width of 0.04"	
Maximum Load of the Mail Stacker		Height up to 12 7/32" (Approx. 110 mails: IJ paper (85 gsm (23-lb bond)/1 sheet enclosure with inner 3-folds)	
Number of Inserts Sheets	(When the size is Letter)	46 gsm to 59 gsm (12.2-lb bond to 15.7-lb bond)	6 sheets or less
		60 gsm to 80 gsm (16-lb bond to 21.3-lb bond)	5 sheets or less
		81 gsm to 100 gsm (21.5-lb bond to 26.6-lb bond)	4 sheets or less
		101 gsm to 120 gsm (26.9-lb bond to 31.9-lb bond)	3 sheets or less
	(When the size is Legal)	46 gsm to 59 gsm (12.2-lb bond to 15.7-lb bond)	4 sheets or less
		60 gsm to 80 gsm (16-lb bond to 21.3-lb bond)	3 sheets or less
		81 gsm to 100 gsm (21.5-lb bond to 26.6-lb bond)	2 sheets or less
		101 gsm to 120 gsm (26.9-lb bond to 31.9-lb bond)	1 sheet
Adhesion Method		Mail short-edge part	Pressurized adhesion method to the pressure-sensitive adhesive coated area
		Mail long-edge part	Wet coating adhesion method to the remoistening adhesive coated area
Remoistening Adhesive	Supplementation method	Replenish from the water supply tank (removal possible)	
	Water Supply Tank Capacity	400 ml	
	Water Tank Capacity Inside Printer	480 ml	
Finished Product Mail Size		Wrapping Envelope Form C: 9 9/16" x 4 5/16"	
Processing Speed ^{*1}		41 mails/min for Letter simplex	
Power Source		AC 100 V-240 V, 3.0 A-1.5 A, 50-60 Hz	
Power Consumption		Max: 250 W	
		Ready: 40 W or less	
		Stand-by: 0.5 W or less	
Operating Noise ^{*2}		Max. 66 db (A) or less	
Dimensions (W x D x H) ^{*3}		38 31/32" x 27 15/16" x 37 3/16"	
Required Space with Printer (W x D x H)		89 3/8" x 50 3/8" x 45 21/32"	
Weight		Approx. 355 lb	
Safety Information		IEC60950-1 compliant, indoor, pollution degree 2 ^{*4} , At altitudes of 2000 m or lower.	

*1 For ComColor GD9630: When inserting one sheet for Letter simplex printing

*2 When connected to a printer and sealing the envelope for with one enclosure sheet.

*3 Excluding the storage case.

*4 The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

PS-Kit

An affordable Postscript RIP that allows for additional functionalities:

- Opens up possibilities for more customers and lines up with pricing strategy by being low cost
- Makes GD even more ideal for environments we previously didn't quite fit into

Product Code: S - 7394



PS Kit provides

- Macintosh & Windows postscript printer drivers
- Linux PPD



PS Kit supports

- Printing from phones & tablets via the free RISO Print-S app
- Printing PDF's directly from a USB flash drive



Android & IOS

ComColor Express FS2000C

FS2000C, an EFI TM Fiery® server for RISO ComColor GD series, helps improve operation and the management of print jobs, files and media. The Fiery Command WorkStation® is an intuitive way for users to manage all Fiery® Driven™ printers locally or remotely. The ComColor Express FS2000C enables the GD to break barriers of entry for the printing industry.



Product Code: S-7358

- Helps operators be more productive
- Produces complex jobs faster
- Offers tighter integration and easier administration
- Supports full cross-platform Apple® Mac® and Microsoft™ Windows®



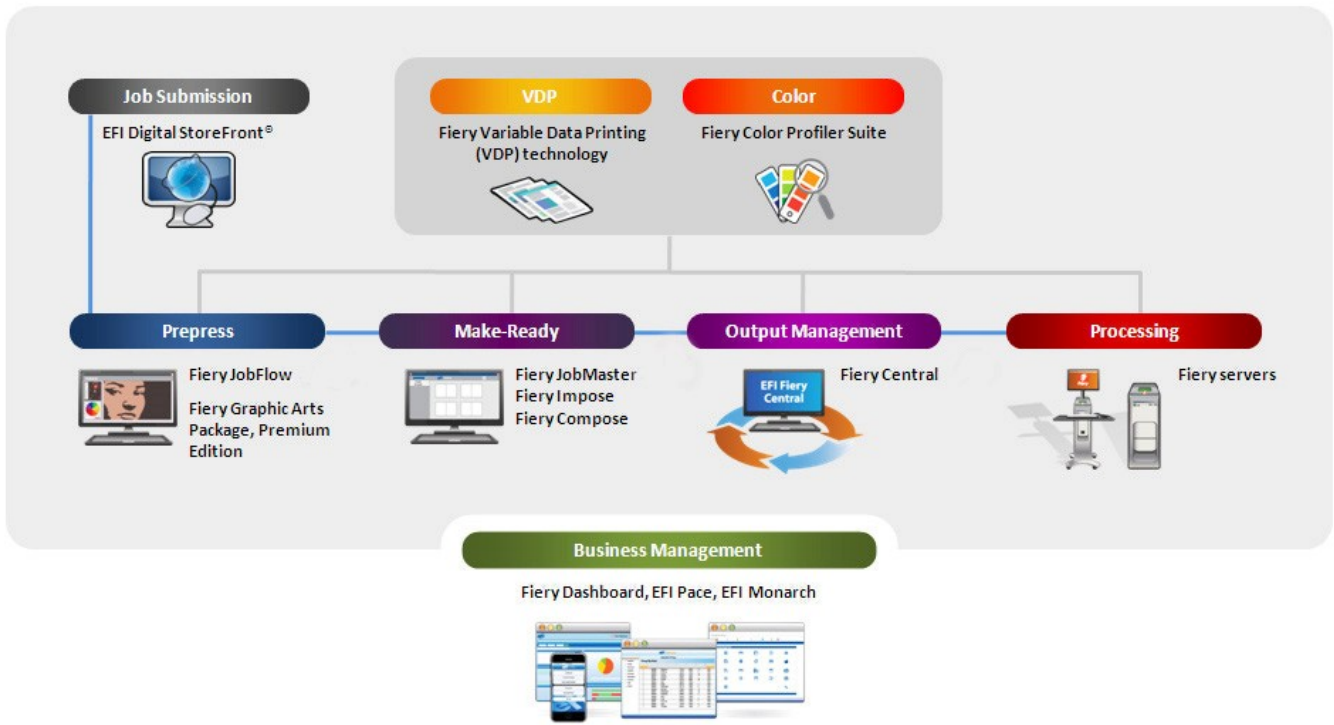
- Fastest RIP
- Fast variable data printing (VDP)
- Automation
- Advanced job management

- Intuitive workflows
- Minimal clicks
- Short learning curves
- Free online training and resources

- Integrated Fiery Workflows Suite applications
- EFI™ MIS, Web-to-print, prepress and production workflow integration
- Fiery JDF, Fiery API

- Color consistency
- Color accuracy
- Image quality
- Image enhancement

Fiery Workflow Suite Products



ComColorExpress FS2000C Specifications

CPU	Intel® Celeron® G1820 2.7 GHz
Memory Capacity	4 GB
Hard Disk Capacity	500 GB
Operating System	Windows® Embedded 8.1 Pro
Network Interface	2 ports (Ethernet: 10BASE-T/100BASE-TX/1000BASE-T)
Power Source	AC 100 V-240 V, 3.0 A-1.5 A, 50-60 Hz
Power Consumption	Max: 180 W
Dimensions (W x D x H) ^{*1}	5.8" x 15.8" x 12.8"
Weight	Approx. 18 lb
PDL (Page Description Language)	PostScript® 3 (CPSI:3020), PDF (1.7) (APPE 3.0), EPS, TIFF (6.0), PCL 5c, PCL 6 (PCL XL), PPML (3.0), FreeForm, FreeForm2, PDF/VT, Creo VPS
Support Protocol	TCP/IP, HTTP, HTTPS (TLS), DHCP, FTP, LPR, IPP, SNMP, SMB, Port 9100 (RAW port), IPv4, IPv6, IPsec, Bonjour, EtherTalk
Installed Font	PS: 138 fonts (Type1:125, TrueType:11, MM:2) PCL: 81 fonts
Supported Client Operating System	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), Windows Server® 2012 R2 (64-bit), Mac OS X 10.8, Mac OS X 10.9, Mac OS X 10.10, Mac OS X 10.11

*1 Keep other objects at least 8" away from the equipment in the rear, and right and left.

Option PCB and Paper Ejection Attachment

Item code	Item name	S-7357	S-7356
		Option PCB FG10	Paper Ejection Attachment G10
S-7341G	SCANNER HS7000	Not required	Not required
S-7347	FACE DOWN TRAY G10	Not required	Not required
S-7348G	FACE DOWN FINISHER G10	Not required	Not required
S-7350U	MULTIFUNCTION FINISHER FG10 2/3H	Required	Required
S-7343G	HIGH CAPACITY FEEDER	Required	Not required
S-7349G	HIGH CAPACITY STACKER	Required	Required
S-7354U	PERFECT BINDER(U) 100-120V	Required	Required
S-7355U	WRAPPING ENVELOPE FINISHER(U)	Required	Required
S-4853	RISO AUTO-CONTROL STACKING TRAY II	Required	Required
S-3370	WIDE STACKING TRAY	Not required	Required

GD Only Accessories

Item code	Item name	GD	FW	CCx1	CCx0
S-7347	FACE DOWN TRAY G10	Yes	N/A	N/A	N/A
S-7348G	FACE DOWN FINISHER G10	Yes	N/A	N/A	N/A
S-7343G	HIGH CAPACITY FEEDER G10	Yes	N/A	N/A	N/A
S-7349G	HIGH CAPACITY STACKER G10	Yes	N/A	N/A	N/A
S-7354U	PERFECT BINDER G10(U) 100-120V	Yes	N/A	N/A	N/A
S-7355U	WRAPPING ENVELOPE FINISHER G10(U)	Yes	N/A	N/A	N/A
S-7356	Paper Ejection Attachment G10	Yes	N/A	N/A	N/A
S-7358	ComColorExpress FS2000C	Yes	N/A	N/A	N/A

X1 Accessory compatibility

Item Code	Item name	GD	FW
S-6682G/E	SCANNER HS5000(G)/(E)	N/A	N/A
S-2058	STAND HS4000	N/A	N/A
S-6680	FACE DOWN TRAY II	N/A	N/A
S-6684G	FACE DOWN OFFSET STAPLER(G)	N/A	N/A
S-6684G	MULTIFUNCTION FINISHER II 2/3H(G)	N/A	N/A
S-6693	Option PCB II	N/A	N/A
S-2051	Paper Ejection Attachment	N/A	N/A
S-2018G	RISO Accounting Tool	N/A	N/A
S-9141	RISO SECURITY PACKAGE	N/A	N/A
S-9184	IC Card Reader Activation Kit	Yes	Yes
S-1329	IC Card Authentication Kit II	Yes	Yes
S-3451	CARD FEED KIT	Yes	Yes
S-3452	ENVELOPE FEED KIT	Yes	Yes
S-4853	RISO AUTO-CONTROL STACKING TRAY II	Yes ^{*1}	Yes ^{*1}
S-3370	WIDE STACKING TRAY	Yes ^{*1}	Yes ^{*1}

*1: The coloring is changed from purple to dark gray. To install the current item on FW/GD, additional parts are required.

Accessories that are compatible with GD and FW, but not X1

Item Code	Item name	GD	FW	CCx1	CCx0
S-7341G	Scanner HS7000	Yes	Yes	N/A	N/A
S-7342	Scanner Stand FG10	Yes	Yes	N/A	N/A
S-7350U	MULTIFUNCTION FINISHER FG10 2/3H	Yes	Yes	N/A	N/A
S-7394	PS kit FG10	Yes	Yes	N/A	N/A
S-7357	Option PCB FG10	Yes	Yes	N/A	N/A

