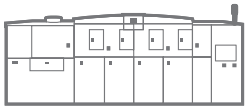
Xerox® 490/980™ Color Continuous Feed Printer
Overview



Xerox 490/980 Color Continuous Feed Printer

High-Speed Color Without Compromise.

xerox

Xerox® 490/980™ Color Continuous Feed Printer

Continuous color. Nonstop productivity. Make the transition to continuous color with this easy-to-learn, easy-to-use, easy-to-maintain technology. Our innovative full color continuous feed system delivers high speed, crisp image quality, flexibility and reliability for a wide range of applications.

Continuous web feeding delivers precision registration, especially during two-sided printing.

Modular and flexible configurations to print just about anything you want.

Built-in graphical user interface gives you the power to manage jobs and simplify workflow like never before.

With high-speed color, you can develop new market opportunities in TransPromo and direct mail markets with full-color applications. Our continuous feed production printing lineup is setting benchmarks for color, productivity and ease of use so you can meet your customers' needs.

Adding color to your documents directs your customers' attention to the areas where you want them to focus.

Color communicates your message more effectively and highlights specific items you want your customer to act on. It adds perceived value in financial statements, clarifies information in user manuals and enhances messages in marketing pieces. Use color to improve readability, increase response rates and energize your documents.

Individualized systems designed for individualized marketing.

Variable print is driving one-to-one marketing and has become a preferred choice of communication in direct mail markets as well as transactional-promotional documents, such as invoices and statements. Our 490/980™ Color Continuous Feed Printer will give you the advantage you need to produce full-color, high-speed variable data printing and provide more impactful individualized marketing messages.

Using one print engine for simplex or two engines for duplex gives you the modularity and flexibility to configure your system for just about anything you want to print—including transactional jobs with promotional messages, billing statements, direct mail and inserts to books, manuals, catalogs and newspapers*.

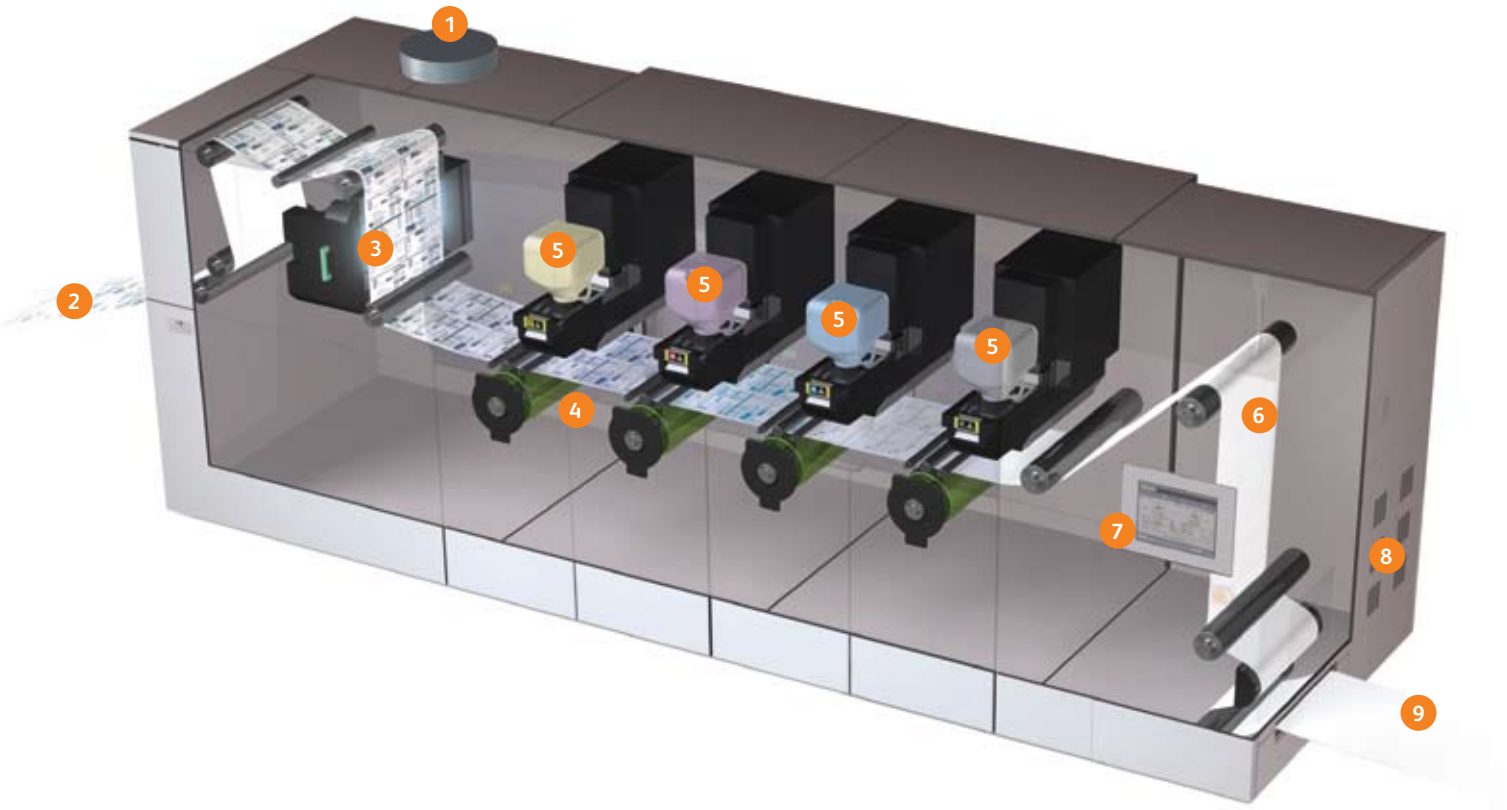
Full color with high-speed printing.

Our 490/980 Color Continuous Feed Printer is the fastest toner-based full-color continuous feed system, running at up to 226 feet per minute at 600 dpi. A 19.5 inch web allows for printing 2-up US letter size images or 3-up book images in 6 x 9 format per linear foot per side.

*Newspapers available post-launch.

Xerox® 490/980™ Color Continuous Feed Printer

A simpler, faster way to go. Simplex paper path.



1 Exhaust Vent

2 Loose or Slack Web Output to Finishing Devices

3 Flash Fusing Module

4 Imaging Drum

5 Toner Hoppers

6 Tension Module

7 GUI

8 4x86 Controllers 1 per Color; Dual Core Processors 8GB RAM

9 Loose or Slack Web Input

Efficiency from the inside out

Flash-fusing technology enables more kinds of media.

Our 490/980™ Color Continuous Feed Printer uses a uniquely designed toner technology that enables the use of flash fusing at the high speeds of continuous feed devices. The unique high-speed printing is enabled by CMYK twin duplex printing. Since flash fusing does not contact the paper, you will gain the ability to print on a wider range of substrates in comparison to continuous feed machines that use traditional heat roll fusing or inkjet technology. And flash fusing delivers greater toner uniformity to produce high-quality images. Other benefits of flash fusing are reliable paper handling and minimal warm-up time.

- Accepts a variety of paper stock types and weights. No special or treated paper required.
- Flash fusing heats only the toner and not the paper so the paper retains its natural moisture resulting in less shrinkage, static electricity buildup and curl.
- As a result, finishing equipment works more reliably with fewer jams.

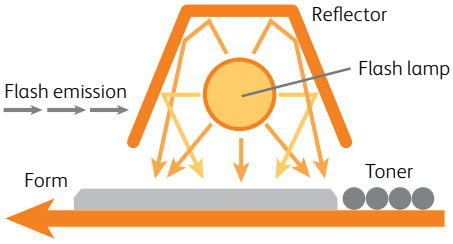
The toner used in the flash-fusing process is a unique formula designed to melt in a thousandth of a second with just a flash of high-intensity light. It is a fine-particle, small-diameter toner with special properties and materials to enable permanent adherence on a wide variety of substrates.

Transactional color at 600 dpi resolution.

Our unique small-particle toner and non-contact flash-fusing technology make even the smallest font characters clearly legible. Photos, halftones, superscripts, fine lines are crisp and clean.

Automate your entire end-to-end process.

We work closely with leading finishing and feeding partners to provide an entire end-to-end process. By connecting pre- and post-processing systems, such as roll-feed unwinders and automated finishing devices such as cutters, fanfold stackers and rewinders you can provide a wide range of finishing solutions.



Flash fusing
Small-particle toner delivers excellent legibility and color quality.

All systems include CMYK four-color print alignment and running register technology for excellent color quality and accuracy.

*Finishing solutions available post-launch.

Precision paper transport and tension web for accurate registration.

Precision continuous web feeding minimizes the possibility of registration problems during two-sided printing. You get the best of both worlds with slack web input and output enabling use or repurposing of existing pre/post devices. Plus, you get the advantage of a tension web inside the printer to ensure precise color-on-color registration plus excellent front-to-back alignment for duplex applications.

Integrated Onboard Print Controller.

Our Onboard Print Controller is compatible with industry-standard IPDS (Intelligent Printer Data Services) Adobe PostScript Level 3™ Adobe PDF Print Engine (APPE) for high performance PDF RIP and the Xerox VI Interpreter*.

Each color is processed by one of four X86 class individual RIPs located in each print engine.

*certain limitations apply

Get the flexibility of an offline printer controller.

Enjoy enhanced visibility and operability.

Dual-core Opteron processors are supported by plenty of RAM and disc capacity allocated to each RIP, enabling maximum productivity and throughput for even the most complex jobs.

Our built-in graphical user interface (GUI) provides multitasking functionality through a 15" color, touch-sensitive screen. The GUI is user friendly with industry-standard icons and pull-down menus to provide fingertip control to manage job, printer and paper information. You can also capture and save all job attributes in up to 64 queues. We simplify workflow and job setups with 46 built-in imposition schemes that come standard with the system.

A remote PC system enables full printer control from a remote location across the room or across the hall using a PC and GUI with full keyboard. An operator can control many of the printer functions as the GUI at the printer and enable connection of offline calibration scanner and input of color profiles to printer controller.

FreeFlow®
Digital Workflow Collection

Xerox® FreeFlow Digital Workflow enhances and accelerates your applications.

We have developed specific workflow solutions to help you connect with your customers by enabling web-to-print functionality, reduce cost with automation and enable new applications. Ask your Xerox representative how you can make the most of your investment and increase productivity by simplifying your existing workflow.

Add more value with color.

Studies have shown that color can significantly:

- Increase retention and recall
- Boost response rates
- Reduce errors
- Enhance your business image
- Improve productivity

Your business: evolving and growing

TransPromo and Transactional printing.

Have you thought about migrating your high volume transactional applications to color? Maybe you already have or are somewhere in between. The new Xerox® 490/980™ Color Continuous Feed Printer makes that task easier than you think.

- **Boost response rates** by adding high-quality **variable data color** and **data-driven graphics** to bills, statements and invoices.
- **Use the white space** in your invoices and statements to up-sell and cross-sell new products and services. Studies have shown that clients read their statements every month because they have to act on them or pay a bill. Use that statement to communicate more effectively with customized marketing messages and drive new business at the same time.
- **Save print costs** and **reduce postal fees.** Transform transactional documents into **TransPromo** communications. Turn those communications into **cost-effective sales tools** by adding personalized graphics, **promotional offers** and **marketing content** all in full color.

Direct mail.

- Implement cost-effective full color **marketing campaigns** for your customers with targeted and **customized direct mail** pieces leveraging **the combination of high speed and full color.**
- **Get faster response rates** because color not only grabs attention but digital color drives faster time to market, resulting in faster returns.
- High speed and full color are no longer a trade-off. At 986 letter size or 900 A4 full color images per minute, you can meet your service level agreements from your clients every day of the week. Missed print windows and extra labor for overtime will be a thing of the past.

Publishing.

Our 490/980 Color Continuous Feed Printer makes quick work of publishing applications without sacrificing image and output quality. Whether it's a communication to thousands of customers or a personalized newsletter to high-frequency shoppers, you can deliver your applications **fast** and **efficiently**, while exceeding customers' expectations with full color **output quality**.

- Print color documents that can be **finished more reliably** in-line or off-line due to our flash-fusing technology.
- Personalize text and graphic content with full color to **capture attention** and **add value** to your communications.
- Deliver **high-quality color output** on media that gives your customers a **competitive advantage**.

Books and manuals.

We have the **right business model**, the **right workflow tools** and **experience**, and the **right technology** to help you succeed in the printing of educational workbooks, catalogues and manuals today.

- Deliver **high-quality text and images** in a flat output sheet for the look and feel authors, publishers and readers demand.
- Use Xerox FreeFlow® Digital Workflow Collection tools and resources **to streamline and optimize your workflow.**
- With revolutionary new technology, new levels of productivity and affordable print quality, you will **experience the difference** with the Xerox 490/980 Color Continuous Feed Printer and most importantly so will your customers!

Specifications

Printer

Print Engine: Xerographic Pinless and Pinfed Engine (Duplex requires twin configuration)

Imaging Technology: LED, Xerographic

Fusing Method: Non contact Flash Fusing

Resolution
Input: 240 dpi, 300 dpi, 600 dpi
Output: 600 x 600 dpi

Print Speed: 226 ft/min (69 m/min)

Speed in Images per Minute:
US Letter (216 mm x 279 mm)
- Simplex
  - Portrait: 246
  - Portrait two-up: 493
- Duplex
  - Portrait: 493
  - Portrait two-up: 986

A4 (210 mm x 297 mm)
- Simplex
  - Portrait: 225
  - Portrait two-up: 450
- Duplex
  - Portrait: 450
  - Portrait two-up: 900

Tone Scale: Binary

Paper Handling

Print Width
Pinless: Up to 19" (483 mm)

Pinfed: 18.5" (470 mm)

Print Length: Up to 28" (711 mm)

Paper Type: Pinfed, pinless, using a tension pinless web

Paper Weight*: 17–42 lbs, 64–160 gsm

Web Width: 8.3"–19.5" (210 mm–495 mm)

Paper Length
External Output: 3"–28" (76 mm–711 mm) by increment of .16" (4.06 mm)

Pre- and Post-Processing: The printing system does not contain a feeder or stacker. Pre- and post-processing devices connect via a unique interface (similar to Type 1).

Recommended list of validated devices available.

Print Engine Controller

CPU: AMD® Dual Core Opteron® Intel® Celeron®

Memory Capacity: 8GB RAM per main controller. Total of four controllers available per engine. Each controller has minimum of 8GB RAM with additional 8GB available (optional)

Capacity: Ultra SCSI 147GB HDD x 2 per controller

CD-ROM/DVD-ROM: Read, Write/Read

GUI: Full-color touch-screen GUI interface
Job setup and control while run

Remote GUI (customer provided)
CPU: Intel® Pentium D Processor Dual Core™
HDD: SATA DVD/CD-ROM
HDD Capacity: 80GB
Minimum memory: 1GB RAM

Interface: Only one host connection per print engine

Connectivity: TCP/IP Ethernet Gigabit

Data Streams: PS-3, Adobe PDF Print Engine (APPE), IPDS and VIPP® (with optional VI Interpreter), PS, PDF and IPDS

Installation Environment

Dimensions per Engine: 5.0 m (W) x 1.8 m (D) x 2.1 m (H), 16.4 ft (W) x 5.9 ft (D) x 6.9 ft (H)

Weight: 5,800 kg (12,786 lb.)

Floor Loading: 7,500 N/square meter

Point Loading: 6,000 N/floor tile (500 mm x 500 mm)

Environments: IBM® AFP/IPDS via PSF for OS/390® (connected TCP/IP™) InfoPrint Manager, Other

Temperature
Minimum: 15°C/59°F
Maximum: 36°C/86°F

Relative Humidity: 30% RH–65% RH (without condensation)

Heat Dissipation: 5.3 kW/h–14 kW/h
18K BTU–47k BTU (U.S.)
(19 MJ/H–50 MJ/H)

Noise Level
Printing: 78 dB maximum per engine
Standby: 58 dB minimum per engine

Electrical Requirements with Transformer per Print Engine (Europe)
- 380–415 Volts
- Minimum 150A/Phase 50Hz
- (3) 50A Triple Phase Lines

Electrical Requirements without Transformer per Print Engine (North America)
- 200–230 Volts
- 300 amp sole use, 60Hz
- (3) 100A Triple Phase Lines

Electrical Consumption: 5.9 kVA (standby)
61 kVA (printing)

*Paper weights lighter than 17 lbs./64 gsm or heavier than 42 lbs./160 gsm may also be used subject to satisfactory testing for suitability.

For more information on the Xerox® 490/980™ Color Continuous Feed Printer call 1-800-ASK-XEROX or visit us on the web at www.xerox.com

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