Print what you want.
When you want it.
Where you want it.

These printers do
all you want…
and so much more.

Xerox 4590™ Enterprise Printing System
Xerox 4110™ Enterprise Printing System

Whether your business centers on time-critical transactional documents or delivering the latest publishing application on demand, having the freedom, the flexibility and the power to create the document types you need, when you need them and where you need them is essential to meeting customer expectations.

To keep your customers satisfied while continually growing your business, you must regularly move beyond the boundaries of time, place and strictly defined services:

Your What might be anything from thousands of bills and statements to a handful of polished booklets with color covers.

Your When may be a last-minute job submitted in the middle of the night with an early morning deadline or a regular-as-clockwork job due every Tuesday at 5 p.m.

Your Where could be your print shop floor or a satellite office on the other side of the world.

The Xerox 4590™/4110™ Enterprise Printing Systems (EPS) featuring the Xerox FreeFlow™ DocuSP® Print Controller are the **"go ahead and do it"** printers that meet all those challenges and more in two compact, affordable devices. And to suit both your print and budget requirements, the Xerox 4590™/4110™ EPS are available with 90 ppm and 110 ppm print engines, respectively.

FreeFlow™ **DocuSP**®:
One powerful
controller

FreeFlow™ DocuSP® is the rock solid foundation of the Xerox FreeFlow™ Digital Workflow Collection and the power behind the Xerox 4590™/4110™ Enterprise Printing Systems' (EPS') productivity.

FreeFlow™: Success flows your way

The FreeFlow™ Digital Workflow Collection acts as a catalyst for your print enterprise's success. This extensive portfolio of optional workflow tools helps you streamline, automate and simplify your key processes. For example, do you…

Have a mix of monochrome and color printers and a mix of controllers driving those printers? FreeFlow™ Print Manager can give your operators a single, unified interface for all your printers. It increases productivity, decreases learning curves and supports JDF for a cohesive mixed offset and digital enterprise.

Wish your operators could spend less time on file management and pre-press? FreeFlow™ Process Manager automates tasks like preflighting and imposition, shortening completion time to minutes rather than hours.

Want to balance your printer activity for maximum efficiency? FreeFlow™ Output Manager monitors your printers and automatically balances their workloads. Jobs are completed quickly and printers are used to your best advantage.

Need a distributed solution for complex job creation and print preparation that won't impact the productivity of any of your printers? FreeFlow™ Makeready and Scanner 665 let you easily combine hard copy and digital input and get it ready for printing or archiving.

Want to capitalize on the major business opportunity offered by personalization? FreeFlow™ Variable Information Suite offers powerful and efficient tools to add personalization to your transaction or marketing materials. Create the attention-grabbing, targeted communications your customers demand, with printed or Web-ready content.

For more information on the FreeFlow™ Digital Workflow Collection go to *www.xerox.com/freeflow*.

The Right Business Model, the Right Workflow and the Right Technology.

Key DocuSP® features and benefits maximize efficiency and productivity while minimizing waste:

- Powerful UNIX®-based controller receives/RIPs/prints jobs concurrently

- Job controls let you preview, edit, impose, proof, interrupt, reprogram and forward jobs

- Submit jobs from anywhere, including desktop applications, host-based channel connections, the Web, CD-ROMs, USB drives, and optional FreeFlow™ components like Print Manager

- Automates job ticketing and customizes job workflows through queues with minimal operator intervention

- Controller simultaneously receives native datastreams, including PS, HP PCL, PDF, TIFF, ASCII, LCDS*, IPDS*, VIPP® and PPML—no one else in the industry offers this level of versatility

- Stock library promotes efficient use of media

- Familiar interface means minimal operator training and learning curve—train once for all your printers

* Available post-launch.

Ready When You Are: Just right for transactional printing

Meeting tight turnarounds and facing non-negotiable deadlines— that's "business as usual" in a transactional environment. To meet these challenges day in and day out, you need printers that have the power to process your jobs, the reliability and uptime to always be there for you, and the speed and agility to get it all done quickly.

The Xerox 4590™/4110™ Enterprise Printing Systems (EPS) with FreeFlow™ DocuSP® are those printers.

- Place them at your points of need for timely receipt of the transaction applications you depend on such as bills, statements, schedules and more.

- At 90 ppm and 110 ppm, respectively, they've got the speed to handle simplex and duplex sheets.

- Process a few long or complex jobs, lots of smaller, simple jobs, or mix it up—they're up to the challenge.

- The Xerox 4590™/4110™ EPS have superior reliability enabled by Xerox engineering—delivering maximum uptime and trouble-free operation.

Taking It All In >

All the Datastreams You Need.
The multi-talented Xerox 4590™/4110™ EPS handle all your datastreams, simultaneously if need be, to deliver better and more return on your investment. They quickly and efficiently process:

- Native transaction datastreams, e.g., LCDS* and IPDS*

- Variable data standards, e.g., VIPP®, PPML

- Commonly used datastreams, e.g., PostScript, PCL and PDF

Major Media Capacity.
Flexibility, uninterrupted printing and more productivity— the Xerox 4590™/4110™ EPS' exceptional media capacity gives you more of everything you want.

- Run longer jobs with less operator intervention

- More "pick points" mean you'll have the right stock loaded and ready to support your mix of work

It's Easy to Receive Jobs.
The Xerox 4590™/4110™ EPS give you and your customers plenty of job submission choices. You can receive jobs directly from your host computer through a channel connection or via any other submission method or media, including the Web, CD-ROMs and more.

Xerox ensures your operators comfort and ease of use:

- FreeFlow™ DocuSP® is the familiar interface across your Xerox printer fleet

- FreeFlow™ Print Manager option gives all your printing devices, including competitive products, a single interface with complete job ticketing

- FreeFlow™ Makeready and Scanner 665 options provide you with scan-to-print and extended makeready capabilities

Security: What You and Your Customers Expect.
You can rest assured that you have secure transmission of business-critical data to your Xerox 4590™/4110™ EPS. Security standards like Strong Passwords, Secure FTP and IP Filtering are included.

* Available post-launch.

Can I Easily Migrate to the Xerox 4590™/4110™ Enterprise Printing Systems (EPS)?

Absolutely. Migration is seamless and as simple as moving your existing printer and replacing it with the Xerox 4590™/4110™ EPS. We can run your current transaction applications, whether they are in VIPP®, LCDS*, IPDS*, or PostScript, just as you have been. And you can expect both process and output improvements.

How Can I Get More From My Investment?

Place the Xerox 4590™/4110™ EPS at your **points-of-need** so that your transaction applications are distributed and printed quickly and efficiently. You can also use it as a network/workgroup printer for your office and publishing applications. You'll boost your ROI when you:

- **Deliver** quality document sets for virtually any audience
- **Integrate** color inserts and covers without the expense of full color printing
- **Create** booklets, brochures and document sets with mixed media like tabs from desktop applications

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Processing Power at Work

Power, Speed, Flexibility.

They all come together as the Xerox 4590™/4110™ EPS process your jobs with maximum ease, efficiency and integrity.

- Concurrent operations mean the Xerox 4590™/4110™ EPS receive, RIP and print several jobs or one long, streaming job
- Choose Resource-Based or First-In, First-Out Printing
- Handle complex jobs with mixed media, inserts, subset finishing and more
- Forward jobs to any printer in your enterprise for optimal load balancing
- Remote workflow capabilities ensure you can manage jobs and administration tasks for your DocuSP®-driven fleet from anywhere, anytime

Go for Great Output

Distinctive Image Quality.

The Xerox 4590™/4110™ EPS' outstanding imaging augments their processing and print power to deliver added value to your transactional documents.

- Dynamic stacking capacity means more unattended run time and better transport to off-line finishing
- Variable length stapling and subset stapling provide top-quality output—from two pages to 80 pages
- Hole punch flexibility expands at-the-machine applications—no need to buy pre-drilled paper
- Optional C-fold and Z-fold yield envelope-ready pages
- Ability to do more applications on the same equipment means more and faster return on your investment, e.g., bi-fold newsletters, booklets and more
- Increased graphic and promotional content ensure your documents grab highly prized audience attention and mindshare

* Available post-launch.

Fast, efficient, beautiful:
Put **publishing** right
where you want it.

A whole new world of applications is open to you with the Xerox 4590™/4110™ Enterprise Printing Systems' (EPS') outstanding publishing capabilities—these systems let you do more. Enabled by FreeFlow™ DocuSP®, the Xerox 4590™/4110™ EPS offer:

- **Distinctive image quality**
- **Color integration capabilities**
- **Maximum speeds of 90 ppm and 110 ppm**
- **Inline finishing**

This dynamic set of features and capabilities make the Xerox 4590™/4110™ EPS the right choice for all your high-value, short-run jobs.

Small Size, Big Publishing Power

The Xerox 4590™/4110™ EPS' power makes it easy to say **"yes"** to more complex jobs with increasingly graphic and personalized content. Both static and variable jobs can contain multiple media types, including tabs, color covers, color inserts and more. You can produce documents that exceed all your customers' expectations— with speed and agility. And the compact Xerox 4590™/4110™ EPS deliver the exemplary productivity, efficiency and cost-effectiveness you demand at points of need.

Build Your Image. The Xerox 4590™/4110™ EPS' extraordinary imaging will make your audience sit up and take notice. Combine these high-quality graphics with personalization capabilities enabled by VIPP® and PPML, and you'll take monochrome personalization where it's never been before. You can also easily transform a document by inserting color covers, attracting much-wanted attention for your customers. Create stylish pieces to complement both your monochrome and color offset work with ease— it's a great opportunity to deliver the impact of full color at a fraction of the cost.

Finishing With Flair. Finishing is the difference between merely functional and something special, between a pile of papers and a neatly assembled presentation, between your competitors and you. Finishing is a key tool for distinguishing yourself from the crowd—and the Xerox 4590™/4110™ EPS let you finish output just the way you want it:

- Neat output stacks facilitate off-line finishing
- Hole-punch pages as needed, no need to pay for pre-drilled stocks
- Variable-length stapler produces nicely stapled sets
- Subset finishing (offset, stacking, slip sheets and stapling) for custom results
- C-, Z-, Engineering Z-fold, and Bi-fold capabilities for envelope- and presentation-ready pages
- Quickly create high-quality large and small format booklets

Media to Match Your Imagination. The Xerox 4590™/4110™ EPS offer both tremendous media capacity and the ability to accept a wide range of specialty media. The applications you can create are limited only by your creativity with specialty media like Carbonless Paper, DocuCards, Document Folders, synthetics, tabs, labels and more.

Xerox Paper and Specialty Media

Xerox digitally optimized papers and specialty media products have been specifically engineered in concert with the Xerox 4590™/4110™ Enterprise Printing Systems (EPS) to provide you with exceptional productivity, superior reliability and unmatched flexibility. With our broad selection of paper and specialty media, full range of weights and sheet sizes, you will have the flexibility to create a variety of print applications and finished documents such as customized newsletters, booklets, reports and manuals on a wide variety of stocks. For more information call 1-800-822-2200 in the U.S. or 1-800-668-0199 in Canada.

Xerox Supplies. See the difference quality makes™.

Xerox Service:
All the
Support
you'll need

You can rely on world-class Xerox Service to support you in many capacities:

- For **24/7** support, turn to our Welcome Center **(1-800-ASK-XEROX)** and Online Support Assistant **(www.xerox.com)**.

- Learn to perform preventive maintenance and tune-ups yourself and maximize uptime via the Xerox Productivity Plus Integrated Maintenance Program.

- Take advantage of Xerox prInteract™ Remote Service Offering*. A secure online connection between Xerox engineering staff and your Xerox FreeFlow™ DocuSP® Controller provides:

  - Easy access to DocuSP® data so Xerox can provide real-time recommendations and help optimize DocuSP® performance.

* Available post-launch.

For more information on the
Xerox 4590™/4110™
Enterprise Printing Systems
call **1-800 ASK XEROX ext. 874** or visit us
on the Web at: www.xerox.com

Specifications for the Xerox 4590™/4110™ Enterprise Printing Systems (EPS)

Print Engine
Xerox 4590™ Enterprise Printing System
Xerox 4110™ Enterprise Printing System

• Print Speeds up to 90 and 110 ppm respectively
  (8.5" x 11"/A4)
• Simplex or duplex printing
• Up to 1200 x 1200 RIP resolution
• Up to 2400 x 2400 Print resolution
• User selectable line screens that include
  106 lpi and 150 lpi

Paper Handling
Stock weights and capacity (at 20 lb/75 g/m²):

• **Tray 1:** 1,100 sheets (8.5" x 11"/A4);
  16 lb Bond to 80 lb Cover (52 to 216 g/m²)
• **Tray 2:** 1,600 sheets (8.5" x 11"/A4);
  16 lb Bond to 80 lb Cover (52 to 216 g/m²)
• **Tray 3-4:** 550 sheets each 5.5" x 7.2"
  (140 mm x 182 mm) to 13.0" x 19.2"
  (330 mm x 488 mm/A5 to SRA3);
  16 lb Bond to 80 lb Cover (52 to 216 g/m²)
• **Tray 5 Bypass Tray:** 250 sheets (4" x 6"/102 mm
  x 152 mm to 13" x 19.2"/330 mm x 488 mm);
  16 lb Bond to 140 lb Index (52 to 253 g/m²)
• **Tray 6-7 High Capacity Feeder (optional):**
  2,000 sheets each (8.5" x 11"/A4);
  16 lb Bond to 80 lb Cover (52 to 216 g/m²)
• **Tray 8 Inserter:** 175 sheets (8.5" x 11" to
  11" x 17"/A4 to A3); 16 lb Bond to 90 lb Cover
  (52 to 220 g/m²)

Standard Post Process Inserter
• Inserts offset and digital color documents
• Inserts pre-printed tabs

Finishing Options
• Select Standard Finisher or Booklet Maker Finisher

Standard Finisher
• 80 sheet, variable-length stapling
• 2 and 3 hole punch North America; 2 and 4 hole
  punch Europe and South America
• Built in bi-directional de-curler
• Output capacity of 3,000 sheets – 20 lb (75 g/m²)

Booklet Maker Finisher
Includes features of the Standard Finisher plus:
• Stacking capacity of 2,000 sheets (20 lb/75 g/m²)
• Creates booklets of up to 15 pages – resulting in
  60 imaged sides with saddle-stitching
• Creates booklets from 11" x 17"/A3, 8.5" x 14"
  or 8.5" x 11"/A4

Optional Folder
• C-fold and Z-fold of 8.5" x 11"/A4
• Print on inside or outside of folded paper
• Engineering Z-fold folds 11" x 17"/A3 for insertion
  into letter/A4 document sets

PDLs and Data Formats
• Adobe® PostScript® Level 3
• PDF
• PCL 5e and 6
• TIFF
• ASCII
• VIPP®
• PPML

Data Security
• Image Overwrite up to 3 times (optional)
• Data Encryption (SSL/TLS) (optional)

Electrical Requirements
• Print Engine:
  – 208–240 VAC, 60 Hz, 15 amp service
  – KVA Rating: Max Power Consumption –
    2.8–3.1 KVA
  – Agency certification: Environmental Choice,
    cULus, Europe: CE, NEMKO, WEEE compliance

FreeFlow™ DocuSP® Specifications

Hardware Specifications
• SUN® Ultra 20 platform
• 1 GB memory
• 80 GB Hard Disk drive
• DVD Writer / CD Writer
• Color flat-panel monitor, keyboard and mouse

Client Environments Supported
• Windows® 2000 SP4/XP SP2/Server 2003
• Macintosh® OSX (10.3 or later)

Options
• DocuSP® stand
• VI Interpreter (VIPP® software)
• Imposition License
• Post Launch Options:
  – LCDS enablement*
  – IPDS enablement*
  – Online CUP Kit (Channel-to-Universal PCI
    for online channel connectivity)*
  – Removable Hard Disk Drive*

Connectivity
Native network environments
• TCP/IP, SNMP, Novell® IPX, AppleTalk®, IPP

* Available post-launch.