

Xerox® 4112™/4127™
Enterprise Printing Systems
Overview



Xerox 4112™/4127™
Enterprise Printing Systems
From bills to booklets,
they get your jobs done!



These printers are exactly right for all you do

You'll build your business and offer more to your customers with every job you take on when you choose the 4112™/4127™ Enterprise Printing Systems (EPS). Ideal for all of your high-volume printing, they deliver maximum speed and versatility in minimal space. And they come equipped with the capabilities you need to thrive in diverse environments.



Ideal for your transactional applications

The 4112/4127 EPS is especially adept in transactional workflows. From monthly statements to bills, invoices and more, you can rely on them to accommodate high volumes at an extremely productive speed while readily processing your transactional data streams. Excellent imaging quality ensures a good presentation and accurate representation of important information. You can add value with targeted graphical enhancements and personalisation using FreeFlow® VI Interpreter. With comprehensive finishing choices – including the High-Capacity Stacker (HCS) – enabling you to get these time-critical documents on their way quickly.

The power of the FreeFlow® Print Server

FreeFlow Print Server is the power behind the Xerox 4112/4127 EPS' print productivity.

- Unmatched processing speed and capacity.
- A powerful built-in feature set with options that expand to production-level capabilities, including support for a wide range of finishing options.
- Flexible job submission – submit from anywhere!
- Multiple queues and hot folders allow you to quickly and easily automate and customise job workflows.
- Remote job and administration task management.
- Security features that can be customised to individuals or groups.

Ideal for your publishing applications

Print books, booklets, manuals, presentations, brochures and other high-value applications with colour covers, tabs and more using the 4112/4127 EPS. The high speeds and expansive media capacity ensure that EPS can handle the large volumes required for applications like books. EPS also offer excellent imaging quality and media flexibility needed to create the look and feel readers demand, including exceptional rendering of photos in halftone. The 4112/4127 EPS offers a range of finishing choices so you can print professionally finished volumes time after time, including the Booklet Maker Finisher, SquareFold® Trimmer Module and the GBC® AdvancedPunch™.

The 4112/4127 EPS offer these key benefits:

Speed and productivity

The 4112/4127 EPS keeps your jobs moving, enabling you to meet your tightest deadlines and accommodate higher volumes.

- High-speed print engines deliver output at up to 125 and 110 pages per minute.
- Add a high-capacity feeder or an oversized high-capacity feeder to accommodate your standard, oversized and custom stock requirements for long, uninterrupted runs.

Image quality

The look of the output you produce says a lot about you to your audience. The fine image quality offered by 4112/4127 EPS enables you to send a powerful message that lends impact to every communication you create. You'll enjoy consistent, high-quality reproduction of text, solids and images, including excellent rendering of photos in halftones. You can expect exceptional registration for polished, professional output with:

- Benchmark 2400 x 2400 dpi print resolution
- 256 grey levels

Innovative EA Toner technology plays a key role in 4112/4127 EPS' high imaging quality:

- Emulsion Aggregation (EA) process results in chemically grown, small, consistent EA Toner particles.
- Enables finer lines for the highest levels of detailing, sharp text, halftones and deep solid blacks.
- EA Toner renders even the most difficult line work razor sharp.
- Higher toner yields let you undertake longer print runs with less operator intervention.
- Longer photoconductor life and lower toner requirements per page contribute to environmental friendliness.

Ease of use

The EPS has been designed to be easy for your operators to use.

- The familiar FreeFlow® Print Server user interface minimises training and learning curves and maximises agility.
- Submit jobs from anywhere. For example, desktop applications, host-based channel connections, the web, CD-ROMs, portable USB devices and optional FreeFlow® Suite components.
- Load-while-run, unload-while-run and change-while-run capabilities mean you can load paper, unload finished documents or change toner cartridges while the printer is running. This ensures more continuous operation and higher productivity.
- Engineering Replaceable Units (ERUs) make it easy for service technicians to replace key components like photoreceptors for efficient maintenance and more uptime.
- Accepts any data stream, anytime, including Adobe® PostScript®, PDF, PCL, LCDS, IPDS, VIPP® and PPML.
- Small footprint means you can place the EPS right at your point of need.



Reliability

Xerox Service: All the support you'll need

You can rely on Xerox world-class service to support you in many ways:

- For 24/7 support, turn to the Welcome Center and Online Support Assistant.
- We've made it easy for you to perform routine maintenance and tune-ups yourself and maximise your uptime via the **Xerox Productivity Plus Integrated Maintenance Program**.

It's quick, simple and on time: Transactional Printing

You can meet the demanding deadlines for all of your transactional printing with 4112™/4127™ EPS. They are equipped to consistently, accurately and reliably receive and process data, then quickly print large volumes of the high-quality bills, statements and invoices you and your customers expect. And you can place them right at your point of need.

Productivity and efficiency

The 4112/4127 EPS offer you the power, speed and flexibility to achieve maximum productivity, to accommodate high volumes and to provide consistent, secure performance for all of your transactional documents. Powered by FreeFlow® Print Server and backed by a full range of finishing options, the EPS have the versatility to tackle it all. For example:

Data Streams, Job Submission and Job Processing

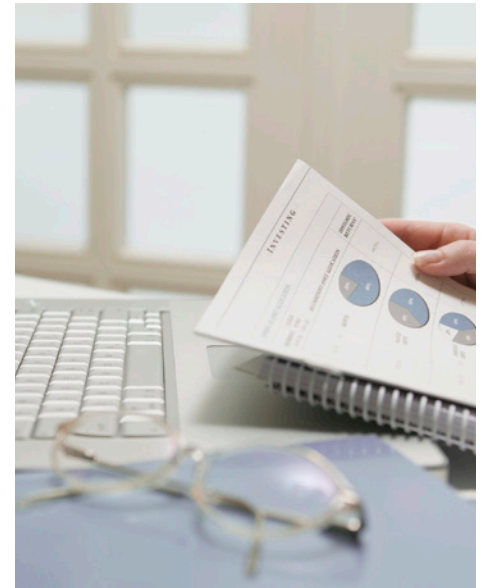
The FreeFlow Print Server processes all of the data streams you require, simultaneously if necessary, with no need for operator involvement, to increase your applications and opportunities. And job submission is easy. For example, the server accepts:

- **Native LCDS and IPDS transaction data streams.** The 4112/4127 EPS can receive LCDS and IPDS applications directly from a host computer through TCP/IP or a channel connection. You can process vital mainframe data without a hitch for precise, accurate transactional documents such as statements and bills.
- **Variable data standards such as VIPP® and PPML.** You can turn your transactional documents into promotional marketing pieces with targeted, personalised information. The optional FreeFlow Variable Information Suite provides all the resources and development tools you need to create an efficient, high-performance variable information workflow.

- **Publishing and personalised applications submitted via media such as the web, CD-ROM and portable USB devices.** In addition, you can rely on the optional FreeFlow Makeready and Scanner 665 to combine hard copy and digital input. Optional FreeFlow Web Services provide a 24/7 portal through which customers can submit jobs to you.
- **Commonly used data streams like PostScript, PCL and PDF.** You can handle a versatile range of input to meet customer requirements.

The 4112/4127 EPS can juggle many tasks at once to keep your workload going, going, going.

- Receive, RIP and print several jobs or one long streaming job to maximise productivity. In this way, they can efficiently and effectively process the large numbers of records/data from your customers' databases and the high volumes of printing required for transactional jobs.
- Process complex jobs with mixed media, inserts and subset finishing so you can offer your customers more sophisticated output.
- Quickly add exception pages by specifying a list of multiple page ranges for a particular exception – no need for separate exceptions for each page range. You'll save time and increase productivity.
- Run longer jobs with less intervention because of the 4112/4127 EPS' large media capacity plus load-while-run capabilities.
- Automate typical process steps with optional FreeFlow Process Manager and automate applications such as bills schedules, statements and reprints with optional FreeFlow Output Manager to boost efficiency, maximise your printers and lower costs.



Adding value to transactional documents: superior image quality and finishing

Add value to your transactional documents with the 4112/4127 EPS' exceptional image quality and finishing options. Because EA Toner is higher yield, it can facilitate transactional's long runs with less operator intervention. The 4112/4127 EPS accept coated stocks, so you can easily enhance everyday printing to create high-impact output. In addition, excellent rendering of photos enables you to produce high-end marketing materials with superior black and white imagery because of 156 lpi halftone screens.

The 4112/4127 EPS' robust finishing capabilities, including SquareFold® Trimmer Module and the GBC® AdvancedPunch™, enable you to create output that is neat, professional and ready to mail or distribute. Use all of these capabilities, plus personalisation, to turn your bills and statements into promotional pieces that capture the audience's attention and mindshare – and help you and your customers rise above the crowd.

Interface Module

The EPS Interface Module acts as a “communications hub” whenever you have more than one finisher connected to the 4112/4127™ EPS. It performs essential functions such as media cooling, decurling to allow for unattended runtime and the smooth flow of output to finishers.

High-Capacity Stacker

Ideal for your transactional documents, the optional High-Capacity Stacker neatly stacks up to 5,000 sheets. A removable rollaway cart is included for easy transport and unloading. This stacker can handle even your largest jobs.

The Advantage: Neat stacking makes it easy to transport to offline finishing, especially for large volumes of transactional documents such as statements.

Folding

Choose from C-, Z-, and Engineering Z-fold options.

The Advantage: You’ll save time and enhance productivity with the folding options when

you are producing statements, bills and invoices for mailing. Finished, tri-folded documents are envelope- or envelope-and-postage ready right out of the finisher.

Hole Punch, Stapling, Decurler

The standard finisher offers these time- and labour-saving in-line features:

- **2/4 hole punch**

The Advantage: Hole-punching saves time, costs and space by alleviating the need to store drilled paper or to remember to load drilled paper. It also enables you to hole-punch paper to meet customer specifications.

- **100 sheet variable length stapling with 24 staple choices**

The Advantage: In-line stapling yields top-quality, stapled sets – there is no need to transport sets to a stapler, saving time and increasing efficiency.

- **Built-in bi-directional decurler**

The Advantage: Flat sheets enhance finishing and improve output quality.

Please see back cover for a full list of finishing features and options.

Security

You can rest assured that 4112/4127 EPS provide you and your customers the secure transmission of business-critical data so essential for transactional communications such as financial statements. FreeFlow® Print Server enables security standards like Strong Passwords, Secure FTP, IP Filtering and Port Blocking. It contains flexible security with features that protect you from unauthorised access and modification – any or all of these features can be configured to groups as well as individuals.

The Advantage: The ability to guarantee secure transmission of business-critical data is essential to your relationship with your transactional customers.

The Xerox FreeFlow Digital Workflow Collection offers solutions designed to help you **connect** with your customers, **reduce** your costs through automation and **enable** new applications that will make you indispensable to your customers.

FreeFlow® Tool	What it Does	How You’ll Benefit
FreeFlow Print Manager	Provides an easy means of job submission for your fleet of printers	More productivity, shorter learning curve, supports multiple data streams
FreeFlow Process Manager	Automates many of the common pre-press steps that take place in a print shop	Touchless workflow, process more jobs faster and at a lower cost, maximise printers
FreeFlow Output Manager	Automates load balancing and job scheduling	Boost efficiency and automate application production
FreeFlow Variable Information Suite	Adds personalisation and/or security features to transactional or marketing materials	Protect your most valuable documents and transform transactional applications into promotional pieces, enabling better return on investment
FreeFlow Makeready	Streamlines document assembly processes and allows for hard copy to be combined with digital	Readies all input for printing, archiving and easy retrieval
FreeFlow Express To Print	Simplifies and automates pre-press job preparation via an easy-to-use visual interface and predefined templates	Increases productivity and saves time and resources for light production and entry-level digital printing customers – exceptional value at an affordable price

Publishing that's polished and professional

You can offer more polished and professional books, booklets, manuals, presentations, brochures and other high-value applications – in more variations – right on the spot with the 4112/4127 EPS. They provide you with outstanding publishing capabilities, such as distinctive image quality and extensive in-line finishing options, coupled with high speed.

Count on them to make it easy for you to take on more complex jobs with graphic and personalised content. You can create both static and variable jobs using multiple media types, including tabs, colour covers and colour inserts. They've got big publishing power, yet their small footprint requires minimal space. Add to that precise front to back registration and you can complete even your highest value jobs right at your point of need, no need to outsource.

Enhanced productivity and excellent image quality

Speed, reliability and the ability to process high volumes are all important characteristics to look for when you are printing applications such as books, manuals and booklets. The 4112/4127 EPS, powered by FreeFlow® Print Server, offer you these capabilities plus outstanding image quality. And you can make it easy for your customers to submit jobs 24/7 via the web with the optional FreeFlow Web Services.

Image quality

4112/4127 EPS offer:

- **Benchmark 2400 x 2400 dpi print resolution.** You can expect sharp lines, smooth gradations and consistent fills – both text and graphics will look beautiful.

- **EA Toner.** With EA toner, your output will consist of smooth, flat sheets which can be easily finished. And when you look at a book printed on the 4112/4127 EPS after it is bound, you'll find the flat sheets further promote a polished look.
- **Excellent Halftone Rendering** of Photos. The 4112/4127 EPS' enhanced ability to reproduce photos in greyscale enables you to create high-end marketing materials with superior black and white imagery.

Media

The 4112/4127 EPS offer tremendous media capacity. In addition, EPS supports a wide range of media types, including digitally optimised papers and speciality media products.

The Advantage: You can offer high-impact, attention-getting applications with the expansive range of stocks available to you as a 4112/4127 EPS user. For example, choose a coated stock to produce a stylish, high-end booklet. Use custom-sized media to create an oversized brochure, or choose specialty media like tabs and labels to complement a manual. You will raise your customers' profiles as well as your own with these out-of-the-ordinary choices for your publishing applications.

Xerox paper and speciality media

See the difference quality makes™

Xerox digitally optimised papers are speciality media products that have been specifically engineered in concert with the Xerox 4112/4127 EPS to provide you with superior productivity, reliability and flexibility. The optional oversized high-capacity feeder enables you to expand your media latitude and applications to include a set of approved coated stocks. Choose from a broad selection of paper and speciality media, in a full range of weights and sizes, to create a variety of print applications and finished documents.

Raise your profile with high-impact publishing applications

You can increase your communications' effectiveness, grow response rates and build customer satisfaction by offering publishing applications that scream for attention.

The Advantage: You can make your audience sit up and take notice:

- Combine high-quality graphics with personalisation capabilities enabled by VIPP® and PPML to enhance your publishing applications. The optional FreeFlow Variable Information Suite provides you all the resources and development tools you need to create an efficient, high-performance variable information workflow.
- Insert colour covers to deliver the impact of full colour at a fraction of the cost. You can create stylish pieces to complement both your black and white and colour offset work.
- Easily create professionally bound lay-flat documents featuring a wide variety of binding styles, ideal for meetings, customer events, presentations and more.
- Produce attractive square spine booklets that are expertly trimmed and easily open flat.
- Choose interesting or different media, for example, coated stock, stock in unusual sizes or speciality media.
- Expand your application offerings further by submitting pad jobs for printing from either the FreeFlow Print Server or clients, including uncollated sets with slip sheets.



Bills and Statements



Tabs



SquareFold Trim Booklet



Bi-Fold, C-Fold, Z-Fold



Die Set Punch



Colour Inserts, Staple and Engineering Z-Fold

Finishing

The rich suite of finishing features and options we offer enables you to turn a pile of papers into an orderly, neatly assembled set of pages, perhaps bound by covers. And you can add impact and interest with colour inserts, tabs and so on to increase your application's value. You can accomplish this when and where you want to, expanding the applications you are able to offer your customers and achieving an excellent return on your investment.

Folding

Choose from C-, Z-, and Engineering Z-fold options.

The Advantage: Save time and enhance productivity with the folding options when you are producing, for example, brochures for mailing. Finished, tri-folded documents are envelope- or envelope-and-postage ready right out of the finisher.

Hole Punch, Stapling, Decurler

The standard finisher offers these time- and labour-saving in-line features:

- **2/4 hole punch**

The Advantage: Hole-punching saves time, costs and space by alleviating the need to store drilled paper or to remember to load drilled paper. It also enables you to hole-punch paper to meet customer specifications.

- **GBC® AdvancedPunch™**

The Advantage: Offers a versatile range of punching styles so you can create lay-flat documents in-house that are ready for professional binding. Easily blends printing, collating and punching to save time, maximise productivity and lower costs.

- **100 sheet variable length stapling**

The Advantage: In-line stapling yields top-quality, stapled sets – there is no need to transport sets to a stapler, saving time and increasing efficiency.

- **Built-in bi-directional decurler**

The Advantage: Flat sheets enhance finishing and improve output quality.

Subset finishing

The 4112/4127 EPS enables you to do subset finishing. Subset finishing – or the ability to use different types of finishing within the same job – yields custom results.

The Advantage: To create, for example, a booklet that meets your customer's requirements, you might need to insert colour sheets printed on offset as well as slip sheets, use stacking before transporting sets to a finisher or have them stapled in-line to complete the job. FreeFlow Print Server enables you to programme these systems to follow all of these instructions with no intervention required.

Please see the back cover of this brochure for a full list of finishing features and options.

Finishing capabilities enhance your publishing applications

Booklet Maker Finisher. The optional Booklet Maker Finisher enables you to print larger booklets and calendars. It accommodates booklets up to 25 sheets (100 imposed pages), offering excellent handling of coated stocks as well as saddle-stitch and bi-fold capabilities.

The Advantage: You can enhance the quality and breadth of your publishing offerings to build your business and your revenues.

With the **SquareFold® Trimmer Module**, you can build on the Booklet Maker Finisher's capabilities. It creases cover sheets and performs face trimming, ensuring no paper shingling at the fore edge.

The Advantage: Achieve an even more professional finish. You can control trim and thickness of the square fold, creating square spine booklets that can be opened flat and are easy to handle, stack and store.

The optional **High-Capacity Stacker** is ideal for high-volume publishing runs, neatly stacking up to 5,000 sheets, cart included.

The Advantage: Neat stacking and a removable rollaway cart make it easy to transport to offline finishing.

Specifications for the Xerox 4112/4127 Enterprise Printing Systems

Print Engines

- Xerographic Engine
- Print Speeds
 - 110/125 ppm (A4)
 - 69/78 ppm (B4)
 - 55/62 ppm (A3)
 - 34/34 ppm (SRA3)
- Single-sided or two-sided printing
- Up to 1200 x 1200 dpi RIP resolution and up to 2400 x 2400 dpi resolution with halftone screen 106 lpi (default) or 150 lpi (high quality mode)
- Front to back registration +/- 0.7 mm (customer adjustable)

Paper handling

Stock weights and capacity (at 80 gsm):

- **Tray 1***: 1,100 sheets (A4)
- **Tray 2***: 1,600 sheets (A4)
- **Tray 3-4***: 550 sheets each 140 mm x 182 mm to 330 mm x 488 mm/A5 to SRA3; *Capacity based on 52 gsm to 216 gsm
- **Tray 5 Bypass Tray**: 250 sheets (102 mm x 152 mm to 330 mm x 488 mm); 52 gsm to 253 gsm
- **Standard Post Process Inserter**: Inserts pre-printed offset and digital colour documents in a post fuser manner; 200 sheets (A4 to A3); 52 gsm to 220 gsm
- **Optional High-Capacity Feeders**: 2 trays; 2,000 sheets each (A4); 52 gsm to 216 gsm
- **Optional Oversize High-Capacity Feeder**: 1 Tray or 2-tray Feeders; 2,000 sheets in each tray (B5 to SRA3); 64 to 253 gsm
- **Coated Stocks**: Refer to Customer Expectation Setting Document for approved Xerox coated stocks

Standard Finisher

- Multi position single or dual 100 sheet variable length stapling
- 2 and 4 hole punch Europe ; 4 hole Swedish punch
- Stacker capacity of 3,000 sheets (80 gsm); top tray 500 sheets (80 gsm)

Optional Booklet Maker Finisher

- Includes features of the Standard Finisher plus:**
- Automatically creates booklets of up to 25 sheets (100 imaged sides with saddle stitching) from SRA3, A3, and A4

Optional High-Capacity Stacker with rollaway cart

- 5,000-sheet offsetting output stack tray; B5 LEF to SRA3
- 500-sheet top tray and includes one rollaway cart; additional carts available

Optional Folder

- C-fold and Z-fold of A4
- Print on inside or outside of folded paper
- Folds A3 Z-fold for insertion into A4 document sets (engineering Z-fold)

Xerox SquareFold® Trimmer Module

- Attaches to the optional Booklet Maker Finisher
- 60 gsm to 220 gsm
- Accepts paper sizes: 216 mm x 279 mm minimum; 330 mm x 457 mm maximum

GBC® AdvancedPunch™

- Paper supported: A4 Long Edge Feed (279mm side only)
- 75 gsm to 216 gsm
- Several Customer replaceable Die Sets available

Data Security

- Secure Print
- Image Overwrite up to 3 times
- Data Encryption (SSL/TLS)

Electrical Requirements**

- Print Engine:
 - 208–240 VAC, 50 Hz, 15/13 amp service
 - KVA Rating: Max Power Consumption: 2.8–3.1 KVA
 - Agency certification: Energy Star®, CSA, Europe: CE, NEMKO, WEEE compliance
- Optional Feeding/Finishing:
 - Each module requires 240 VAC, 60/50 Hz power

Print Server

Xerox FreeFlow® Print Server

Hardware Specifications

- SUN® platform
- 2 GB memory
- 160 GB, SATA Hard Drive (minimum)
- DVD Writer/CD Writer
- Colour flat-panel monitor, keyboard and mouse

Client Environments Supported

- Windows® 2000 SP4/XP SP2, Server 2003, Vista and Server 2008: 32-bit and 64-bit
- Macintosh® OSX 10.3.9 or later

Options

- FreeFlow Print Server Stand
- FreeFlow VI Interpreter (VIPP®)
- Imposition License (standard)
- Productivity Pack – delivers multiple queues, stock library and more
- LCDS and IPDS enablement
- Removable Hard Disk Drive
- Disk Overwrite

Connectivity

Native network environments

- TCP/IP, SNMP, Novell® IPX, AppleTalk®, IPP
- IPv6 compliant

** Refer to the Install Planning Document for installation details.