



Xerox Fiery FS100 Pro Feature Summary

This Xerox Fiery FS100 Pro Feature Summary provides a short summary of major features in a Fiery digital front end (DFE) based on Fiery FS100 Pro system software. For more detailed information on a specific feature, please refer to the Fiery FS100 Pro Product Guide.

>> Please check with your Xerox supplier on the availability of Fiery features for a specific digital press and Fiery DFE <<

SOFTWARE AND ACCESSORIES FOR FIERY SERVERS

Fiery® Integrated Workstation (FACI): Increases print operator efficiency with a stand, monitor, keyboard and mouse to manage the Fiery server and print queues locally, adjacent to the print engine.

Removable HDD: Increases data security by protecting data from unauthorized access with the ability to remove the hard disk drive and store it in a secure location after powering down the Fiery server.

ES-2000 Spectrophotometer: Accurately measures colour patches for print-engine calibration and captures spot colours from a physical swatch for inclusion in a Fiery spot-colour library. Combined with EFI Color Profile Suite, it creates CMYK and RGB profiles for input and output devices.

Fiery Calibration Mono Kit: Provides an optional kit with an ES-2000 spectrophotometer for use with Fiery Grayscale Calibration.

Fiery Spot-On™: Performs editing of spot-colour references available in PANTONE, HKS, TOYO and DIC spot-colour libraries for closer colour matching on specific engines or print substrates. Fiery Spot-On provides a graphical user interface to help adjust the CMYK equivalents needed to match a desired spot colour on a given printer. It also enables creation of custom spot colours using an ES-2000 spectrophotometer to measure physical samples of the colour to be matched. Substitute colours, another feature of Fiery Spot-On, enables remapping of specific CMYK or RGB values from a source file to a specific CMYK tint combination for the print engine. Fiery Spot-On is required to overprint named spot colours in a job.

Fiery Hot Folders: Automates the print job submission process with a PC or Mac client tool and drag-and-drop functionality. Ideal for batch processing of multiple files with the same print settings. Filters allow users to route jobs to a print server with predetermined settings attached.

Fiery Virtual Printers: Automates the “File-Print” print submission process, saves time and increases productivity. Enables administrators to create a specific configuration for an output device and present it to users as a printer. Relieves users of the repetitive task of configuring print settings for multiple jobs.

Graphic Arts Package, Premium Edition: Offers the most advanced tools for previewing output and troubleshooting digital print jobs. Specialty features such as soft proofing and customised trapping, in addition to high-end prepress workflow components such as preflight and postflight, maximise productivity and profitability.

Fiery Color Profiler Suite: Creates ICC profiles with a complete colour management solution for more accurate colour transformations and corrections. Users can optimise spot colours, perform colour quality assurance and match colour across multiple presses. Version 4 supports the new ES-2000 and X-Rite iSis spectrophotometers.

Fiery Productivity Package: Includes essential graphic arts and productivity features such as ImageViewer, Image Enhance Visual Editor, Spot-On™, Virtual Printers, Hot Folders and Rush Print for increased colour control and job management flexibility.

Fiery Impose: Extends the driver-based imposition capabilities offered by Booklet Maker to include visual custom imposition, late-stage editing and the option to add or delete pages—without modifying native files.

Fiery Compose: Provides an advanced preview and editing environment to simplify media assignments, tab printing, chapterisation and document finishing.

Fiery Impose-Compose: Bundles Fiery Impose and Fiery Compose into one software option.

Fiery JobMaster: Enables advanced PDF-based make-ready functions, tab creation with WYSIWYG previews, clean-up of scanned pages, change of crop-and-trim size, masking of unwanted marks, last-minute text editing, page numbering and drag-and-drop merging of PDF pages. Contains all features of Fiery Compose and adds more advanced features.

Fiery JobMaster-Impose: Bundles Fiery JobMaster and Fiery Impose into one software option.



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FIERY SERVER CERTIFICATIONS AND LABELS

VIGC Perfect Pass and PDF/X-4: Fiery FS100 Pro servers render all combinations of colour spaces and transparency blends correctly on the VIGC tests, including Altona Test Suite 2. Fiery FS100 Pro is the only DFE to receive the "Perfect Pass" label by VIGC.
<http://www.vigc.org/vigc-pdfx-4-audit/>

IDEAlliance Digital Press Certified: Refers to Fiery servers and digital press systems that meet or exceed established industry tolerances for excellence in the areas of colorimetric accuracy, uniformity, repeatability, durability and registration.
www.idealliance.org/certifications/system-certification/digital-press-certification/certified-systems

FograCert: Refers to fiery servers that meet the criteria and tolerances stipulated in the current draft [ISO/FDIS 12647-8] for the certification of contract proofing systems and for contract proof creation as tested by Fogra Graphic Technology Research Association.
www.fogra.org/en/fogra-fogracert-en/prepress-en/validation-print-2-71/validation-printing-system/vps-certified-systems

Certified JDF Compliant: Saves time and money when integrating new equipment into a production workflow because systems and software certified as JDF1.3 Integrated Digital Printing Interoperability Conformance Specification (IDP ICS) by CIP4 and Print Industries of America don't require expensive and time-consuming coding of private extensions. Fiery servers are the first and only digital front end certified as JDF Compliant by CIP4. Fiery servers work with over 30 products by JDF integration partners.

Fiery VUE: Helps office workers produce finished documents such as booklets quickly, easily and cost-effectively in an environmentally responsible way with a visual, interactive PC-based printing application.



Maximizes Productivity and Automates Workflows

PERFORMANCE

Fiery HyperRIP: Maximises processing performance by splitting a print job into logical sections for parallel RIPping on multicore CPUs. Files reach the engine up to an additional 40% faster.

Spool-RIP-Print Simultaneously: Offers the fastest output delivery by performing spooling, RIPping and printing of a single- or multiple-page job or of multiple jobs at the same time.

Proof Print: Allows users to produce a single copy of a job without changing the copy count.

Server Job Presets: Saves commonly used Job Properties centrally, and shares them with all Fiery server users through all workflows. Automates selecting and using Job Properties for commonly used applications, saving time and maximising productivity.

Advanced Job Management: Includes Rush Print, Schedule Print, Print/Process Next, Suspend on Mismatch, Job Re-order, Sample Print, and Force Print. These features give print operators flexibility to alter aspects of the workflow and to manage exceptions without disrupting production.

Force Print: Eliminates the need to resubmit and re-RIP a job in the print queue by forcing it to print on any media size available in any tray at that time.

Rush Print: Eliminates the need to stop and restart production when one job needs to be printed right away. Prevents waste by allowing operators to resume and finish a job that was paused during printing instead of having to cancel and discard the previously printed portion of the job.

Print/Process Next: Allows the operator to pick the next job to process or print immediately after the job that is currently printing or processing.

Sample Print: Enables the operator to monitor engine output quality while the engine is in full production by printing extra pages to an easily accessible output tray. Increases productivity by avoiding production halts.

Suspend on Mismatch: Decreases downtime by suspending a job in the print queue when there is a missing resource, such as out of paper, finisher disconnected or output destination full. The problem job will remain and suspended and other jobs will continue to process and print until the problem is corrected.

Variable Data Printing (VDP) Capabilities: Supports all leading VDP formats to print personalised documents using PPML 3.0, PDF/VT 1 and 2, VPS compatible, and optimised PDF and Adobe® PostScript®. Compatible with leading variable data authoring software. Includes Fiery FreeForm™ entry-level VDP technology that does not require specialised software applications.

Enhanced FreeForm: Extends the ability to control the mapping between the variable and master documents in FreeForm v1 without the need to purchase a third-party software application.

VDP Record and Set Level Finishing: Increases automation of the output process and reduces the number of manual offline steps in production by applying finishing options to each individual record inside a VDP job.

VDP Record Range, Sheet and Set Printing: Reduces time and waste by allowing the user to print a selected set or sheet of records from a VDP job. This simplifies record reprinting; for example, if you need 4 of 100 records, you don't have to print all 100 records and throw out the other 96 records. Reprinting sets allows for easier cutting and stacking.



Delivers Accurate Color and Exceptional Image Quality

COLOR AND IMAGE QUALITY FEATURES

Out-of-the-box Image Quality Enhancement: Offers default settings that maximize performance while offering the best colour quality right out of the box. Minimises setup and print preparation.

Fiery ColorWise®: Performs colour transformations using EFI colour management technology to maintain colour appearance and achieve accurate colour from CMYK, RGB, spot colour and device-independent colour sources.

Profile Manager for ICC Profiles: Provides users with downloadable ICC source, simulation, output or device link profiles to use with the Fiery Profile Manager for complete control over source colour spaces, press simulations and printer output.

PANTONE® Libraries: Defines spot colours used by professional graphic designers worldwide. Fiery servers use licensed Pantone libraries to match Pantone colours. Fiery servers now include PANTONE PLUS SERIES and PANTONE FASHION + HOME libraries.

HKS, DIC and TOYO Ink Spot Colour Libraries: Defines spot colours used primarily in Europe (HKS) and Asia (DIC and TOYO). The colour conversion tables used by the Fiery server to transform a spot colour to CMYK give users a closer match to these spot colours.

Fiery Color Profiler Suite Integration: Offers quick access to Color Profiler Suite profiling tools, directly from the Command WorkStation® interface.

Optimised RGB Transparency: Enhances the print quality of PDF files that include overlapping RGB elements defined with transparency by accurately rendering and printing the expected colours.

PDF/X Output Intent: Supports and guarantees full compliance with the PDF/X Output Intent standard specifying the intended output profile of the file. Fiery servers find this information contained in PDF/X files and apply the appropriate colour transformations.

Auto Trapping: Automatically corrects many artifacts, such as white lines or halo effects where two colours touch, caused by engine mis-registration in any document type, including Microsoft Office documents.

Composite Overprint for Spot and CMYK Colours: Allows objects specified to overprint in composite PostScript and PDF files to print correctly.

Auto Preflight: Increases productivity and eliminates costly errors at the printing stage by checking fonts, spot colours, low-resolution images, hairlines below threshold, overprints and PostScript errors. Validates VDP file search path and resources. Supports formats such as PS, PDF, EPS, PPML, PDF/VT and VPS.

Postflight: Delivers colour-coded job diagnostic reports to quickly and easily identify potential printing issues such as mixed source colours and spot colours.

Control Bar: Provides a tool for colour quality control by placing the Ugra/Fogra Media Wedge, an industry standard colour bar, on every printed page. Also prints details of job settings.

Fiery ImageViewer: Enables full-resolution print data previews on the Fiery Command WorkStation so users can see exactly how the job will look before printing. Saves time and reduces waste from print mistakes.

Fiery ImageViewer for Black and White: Enables matching the output from multiple black-and-white print engines by loading ImageViewer black curve adjustments directly on the Fiery server—in addition to the regular features of the Fiery ImageViewer.

Fiery Dynamic HD Text and Graphics: Enables printed output to preserve fine detail in text and vector elements to improve and sharpen edge quality even when printing at standard resolution.

Fiery Image Enhance Visual Editor: Provides an interactive tool for adjusting images in a job individually, without opening and editing the file in the originating application. New saturation and definition controls sharpen images and enhance flesh tones for more colour control and accuracy.

Image Smoothing: Improves overall image quality by smoothing low-resolution images and the gradation transitions in line art.

Text and Graphics Quality: Increases output quality, achieving better definition for a sharper and smoother black text and line art with minimised jaggies.

Black Custom Screening: Increases the perceived output resolution and significantly improves image quality using EFI screening technology.

Fiery Calibrator: Corrects for the print engine's current colour behavior and provides consistent colour over time.

Fiery Grayscale Calibration: Maximises the dynamic range of detail in images from the darkest shadow to the lightest highlight. This ensures that shadows do not plug up, even at high maximum densities.

Job-based Calibration: Increases colour consistency by calibrating for a specific job and its associated media and profiles.

Calibration Guard: Provides calibration status, warnings and alerts to promote calibration. If a calibration has expired, the Calibration Guard can prevent jobs from printing to ensure colour consistency in every job.



Produces Finished Jobs Simply and Quickly

USABILITY

Fiery Command WorkStation® 5: Reduces waste and operator errors while shortening learning curves with an intuitive print job management interface that manages all local or remote Fiery Driven™ printers from a single place.

Fiery Ticker: Runs directly on the Fiery server to provide status of one or more Fiery servers at a glance, with visibility from across a room.

Fiery Setup Wizard: Speeds Fiery server installation and optimises setup with settings for a selected printing environment.

Mixed Media Attributes Setting: Automates process to print finished documents with minimal operator intervention using mixed media, subset finishing and tabs.

Tab Shift: Shifts certain pages 0.5 inches (12.7 mm) horizontally, making it possible to print the predefined tab text on the tab ear.

Insert Tab: Allows users the flexibility to add tabs (and text on tabs) at the last possible stage in the print submission process.

Media-Defined Profiles: Offers easy-to-relate colour profiles for each media to achieve the best quality colour output.

Booklet Maker: Allows users to print multiple pages of a print job, from most applications, in a booklet style—without the need for more advanced imposition programs.

Perfect Binder Support: Supports perfect binding options in Booklet Maker that work with inline finishers.

Mixed Media Viewer for Perfect Binding: Provides visual preview and control of mixed media settings, such as duplex, media assignment, inserts and spines, for each page of a perfect-bound job.

Paper Catalog Smart Media: Creates Paper Catalog entry based on the characteristics of the media loaded in the tray. Allows engine-defined media to be available in the Fiery server's Paper Catalog workflow.

Pad Printing: Duplicates a single job as many times as defined to create one finished pad. Allows simple assembly of printed pads with back cover. Pads can be offset in output tray for easy separation for offline binding, minimising manual collation.

Fiery Remote Scan: Enables engine platen to be used as a high-resolution scanner. Scans files to a mailbox, or they can be retrieved directly from a client. Mailbox content is automatically refreshed to reflect added or deleted jobs. New version 6.0 simplifies scanning with a new interface and supports more file formats.

Fiery Bridge: Provides access to mailboxes on the Fiery server with a Microsoft® Windows® application.

Booklet Imposition: Creates unlimited quantity of imposition templates and applies them automatically through Fiery Command WorkStation Job Properties.

Gangup Imposition: Offers traditional, unique, repeat and other gangup imposition styles for VDP and non-VDP jobs.

VDP Imposition: Enables multiple records, including records of variable length, to be imposed in specific sequences to produce a variety of materials such as booklets, books, coupons and business cards.

Duplo® Marks: Increases productivity by enabling post processing with offline finishers by printing preconfigured Duplo barcode and registration marks in the upper-right corner of a page.

Customisable Trim and Fold Marks: Allows custom definition of the length, width and colour for trim and fold marks of imposed jobs.

Mixed Finishing Sets: Reduces labour costs by allowing users to specify different finishing options among different subsets.

Edit with Acrobat and PitStop: Enables last-minute changes to text, spot colours or images in PDF documents, without returning to the original file.

Reorder/Delete/Merge Pages: Creates a new job by merging digital and scanned documents. Deletes, moves, adds and duplicates pages.

Insert Scans: Enables powerful document assembly by allowing operators to use any TWAIN scanner to scan hard-copy pages for insertion into a document.

Masking: Allows quick and easy last-minute changes and edits by masking unwanted content such as preexisting page numbers or hole punch marks.

Define/Crop Trim Boxes: Modifies or applies crop and trim box sizes.

Advanced Tab Editing: Specifies and previews tab ear settings and content that can include images, colour background, logos and three lines of formatted text.



Provides Robust Workflow Integration

INTEGRATION

Adobe® PDF Print Engine 2.5 (APPE) Support: Integrates the APPE rendering technology to offer the option of a native PDF end-to-end workflow. Improves the consistency and flexibility of the printed output from design to output in digital and offset print solutions. Version 2.5 supports printing transparencies from the latest design applications.

Fiery Direct Mobile Printing: Provides wireless printing for Apple mobile devices using the native iOS print function. Users do not have to use an app, and the list of available Fiery Driven printers automatically appears on the Apple device.

PrintMe® on Fiery Cloud Printing: Offers a real-time cloud printing solution that allows users to upload or email documents to the PrintMe Cloud service and release them to print from the printer control panel.

Sequential Print: Enables Fiery servers to integrate into workflows that require jobs to be finished based on the order in which they were submitted. It does this by printing jobs following one another in a first-in-first-out (FIFO) order.

Set Page Device: Automatically prints embedded Set Page Device (SPD) commands from specialised applications that require dynamic mixed media or data-driven mixed media—eliminating the need for operator intervention.

Fiery JDF Technology: Enables built-in JDF workflow support to streamline processes from job submission to output. Integrates with other EFI™ solutions, including Fiery Central, EFI Digital StoreFront® and EFI MIS/ERP business software, so that job information can flow through systems faster and more efficiently.

Graphic Arts Filters: Seamlessly integrates with third-party workflow and prepress solutions, such as Kodak Brisque and Prinergy, by importing CT/LW, PDF2Go, ExportPS, DCS 2.0, EPS, PDF/X, TIFF, TIFF/IT and JPEG.

Fiery Central: Combines multiple Fiery Driven digital printers, and other select printers, into a centralised print production system with a unified workflow and a common, intuitive user interface.

EFI Pace™ Integration: Offers complete visibility into business performance through a browser-based, scalable and customisable print management information system (MIS) solution for estimating, planning and scheduling jobs; data collection; accounting; sales management and eCommerce. This integration helps reduce costs and provides critical information.

EFI Digital StoreFront® Integration: Provides a scalable, Web-to-Print e-commerce solution. Includes a shopping cart, pricing options, approvals, job ticketing, tracking and status, an unlimited number of brandable storefronts, bidirectional integration to Fiery servers and controllers, and content and file management capabilities.

Kodak® Prinergy™ and Agfa®:Apogee™ Workflow Integration: Uses Fiery JDF technology to allow customers to manage and submit jobs to one or more Fiery Driven digital print engines from the same familiar user interface.

Cost Accounting Integration Ready: Saves time and prevents errors by providing accurate job accounting data for prints processed through Fiery servers. Embeds cost data in the print stream, which can be automatically intercepted and fed to any third-party accounting system, eliminating the need for manual data entry.

System Update: Keeps the Fiery server up to date by periodically contacting the EFI update server on the Internet and automatically downloading updates. The administrator can also initiate updates manually.

Fiery Clone Tool: Clones or copies the entire Fiery system to an image file, allowing easy and fast recovery in case of system corruption or hard disk failure.

Fiery System Restore: Replaces Fiery Clone Tool. Gives administrators the flexibility to quickly back up and restore a Fiery server. Features include backup/restore to network drives, backup Fiery jobs, restore to a factory default image and create a bootable USB recovery device.

Port Blocking: Increases security by configuring restricted access to the Fiery server using the specified ports.

Secure Printing: Protects viewing of private documents by requiring a job-specific password at the Fiery server before printing a document.

Secure Erase 3: Meets or exceeds security standards with 168-bit security on the Fiery hard drive. Improves Fiery system performance by scheduling secure erase tasks during idle time.

IPv6 Support: Adheres to IT standards with support for the latest revision of the Internet Protocol.

SSL Support (IPP/LDAP/HTTP/SMTP): Creates a secure connection for transmitting data between the client and the Fiery server over the Internet, using the SSL protocol to transmit private documents. Adhering to industry-standard certification policies, provides an open-architecture solution preferred by MIS/IT organisations.



XEROX SPECIFIC FEATURES

Xerox VI Compose (VI PP) Support: Fiery servers support Xerox VI PP (available through Xerox only) for variable data printing, including VI PP support in Auto Preflight and VDP imposition features.

Specialty Imaging (SI): Xerox VI PP SI provides the capability to print security images on documents for a variety of applications. Fiery servers support VI PP SI GlossMark® Text, Fluorescent Mark Text, Correlation Mark Text, Infrared Text and MicroText.

VDP Multi-Up Booklet: Provides a new style in Fiery Impose for VDP booklets. The multi-up booklet imposes two unique booklets on one sheet, lowering costs by using less paper and decreasing click charges.

Productivity Mode—All Stocks Rated Speed (ASRS): Provides a job-level selectable switch to enable the ASRS feature, allowing the operator immediate access and keeping the engine running at its highest level of productivity.

Job Batching by Installed Fuser: Automatically batches jobs by paper width to minimise the number of times the operator needs to swap out the fuser. Maximises productivity when different fusers are used for different paper widths.

Multi-Pass Clear Dry Ink: Applies up to seven layers of clear, dry ink to produce effective marketing pieces with the widest range of output options, including automatic identification of job elements such as spot colours, text, graphics and images. Eliminates need to reprogram jobs, making the process simple and quick.

Dimensional Print: This exclusive Fiery server feature uses Image Enhance Visual Editor (IEVE) to selectively add visual dimension and a textured and embossed quality to any image within a document without the need to change the source files.

Fiery Calibration and Profiling Using FWA (ACQS): Supports automated calibration with Xerox® Full Width Array (FWA) through Fiery Calibrator.

Fiery Calibration and Profiling Using ILS (ACQS): Fiery servers support automated calibration and profiling using the engine InLine Spectrometer (ILS). Supports Xerox Automated Color Quality Suite (ACQS) with ILS.

1200 dpi Selectable: Allows selection of 1200 dpi RIPping to improve finely saturated text and/or graphics instead of the normal 600 dpi. Customers can choose the best quality for the job type.

Simple Image Quality Adjustment Tool Support (SIQA): Installs directly on the Fiery server and integrates through the single IP connection for a smooth workflow—eliminating extra wiring, network hardware and the need for an additional PC—in addition to simplifying and centralising SIQA tasks at the Fiery Command WorkStation.

Xerox EIP support: Fiery servers support EIP applications using a unique single-IP pass-through or, where necessary, a Hub Kit.

Xerox FreeFlow Workflow Suite Integration: Fiery servers seamlessly integrate with Xerox® FreeFlow suite modules such as FreeFlow MakeReady, FreeFlow Process Manager and FreeFlow Print Manager.

Integrated Finishing Support (AxF): Fiery servers are compliant with industry standard Digital Finishing Architecture (DFA) in support of all Xerox Automated Finishing Devices (AxF), including the Xerox IntegratedPLUS Finishing Solutions.

Xerox Standard Accounting (XSA): Fiery servers support XSA with accurate job tracking and easy access to data.

Fiery Ultra Smooth Gradients: An exclusive Fiery server feature that leverages 10-bit architecture and EFI proprietary processing to deliver stunning, smooth gradients. This ensures the highest quality print appearance by eliminating objectionable stepping.