Fiery FS500 Pro Feature Summary

This Fiery® FS500 Pro Feature Summary provides a short description of major features in a Fiery digital front end (DFE) based on Fiery FS500 Pro system software. For more detailed information on a specific feature, please refer to the Fiery FS500 Pro Product Guide.

Please check with your supplier of digital print engines on the availability of Fiery features for a specific digital press and Fiery DFE.

SOFTWARE AND ACCESSORIES FOR FIERY SERVERS
Fiery NX Station: A compact, centralized workstation for the Fiery NX servers that adapts to different print production environments. Comes in three models: NX Station GL, which features a 22" display; NX Station LS, which features a 27" display, 6" adjustable-height workspace, proximity sensor, and cable routing; and NX One Station, which features a 22" display and is exclusively for the Fiery NX One server.
GUI Enabled: Allows external Fiery servers to connect to a standard monitor, keyboard and mouse for local print management and operation.
Removable Hard Drive: 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.
EFI ES-3000 Spectrophotometer: Handheld spectrophotometer that increases accuracy and speed for calibration, profiling, and spot color readings. Provides fast and accurate measuring and single pass scanning for M0, M1, and M2 modes. Combined with Fiery Color Profiler Suite, it creates CMYK and RGB profiles for input and output devices.
EFI ES-6000 Spectrophotometer: Network-connected scanning spectrophotometer that automates and streamlines the press profiling process, increasing accuracy and automation in the color measuring workflow.
Fiery Graphic Arts Pro Package: A streamlined set of expert tools on the Fiery server to identify and correct print production problems before they result in rejected jobs and wasted clicks. Includes Fiery Preflight Pro, Fiery ImageViewer, Fiery Spot Pro, Fiery Postflight, and Fiery Control Bar.
Fiery Color Profiler Suite: Integrated color management that creates ICC profiles for accurate color matching and correction. Users can optimize, edit and enhance profiles, perform color quality assurance, and match color across multiple presses, as well as calibrate Fiery Driven™ print systems to G7
Fiery ImageViewer for Black and White: Enables matching of output from multiple black-and-white print engines by loading black curve adjustments directly on the Fiery server — in addition to the regular features of Fiery ImageViewer.
Fiery JobMaster: Enables advanced PDF-based makeready 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 plus additional advanced features.
Fiery JobMaster-Impose: Bundles Fiery JobMaster and Fiery Impose into one software option.
Fiery Impose-Compose: Bundles Fiery Impose and Fiery Compose into one software option.
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, chapterization and document finishing.
Fiery JobFlow: Offers automated prepress processes that are easy to set up and use, minimizing rework and boosting overall efficiency on the print floor. Comes in two versions: JobFlow Base, a free version, and JobFlow, a paid version that provides additional functionality.

SOFTWARE AND ACCESSORIES FOR FIERY SERVERS

EFI IQ: Unlock the value of production data by connecting printers to EFI IQ, a suite of cloud applications to help you make better data-driven decisions. Use these free applications to visualize key production data and the current status of printers from **IQ Dashboard**, capture and transform print production data into actionable analytics to drive business improvement with **EFI Insight**, and stay connected with your print devices from your iOS or Android mobile devices with **EFI Go.**

EFI Manage: An EFI IQ paid app to remotely standardize the server configuration for same model print devices, check system compliance and see printer status at a glance.

EFI ColorGuard: An EFI IQ paid app to produce consistent, accurate color at all times. ColorGuard helps re-calibrate and color-verify digital presses, share data across print operations, and monitor color performance over time.

Adobe® Acrobat® Pro 2020 Kit: Enables last-minute edits of PDF pages within Fiery Impose, Compose, or JobMaster.

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.

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.

Fiery ColorRight Package: Includes essential graphic arts features such as Fiery Spot Pro, Fiery ImageViewer, Fiery Image Enhance Visual Editor, Fiery Control Bar, and Fiery Postflight for increased color and imaging control for embedded servers.

Fiery Automation Package: Includes essential productivity features such as Hot Folders, Virtual Printers, Rush Print, Fiery Preflight, Fiery JobFlow Base, and Fiery JDF for advanced job management and flexibility for embedded servers.

Fiery JobExpert and PDF Processing Kit: Includes access to Fiery JobExpert, enables native processing of PDF files using Adobe PDF Print Engine, and provides full support of PDF/VT-1 files. The kit also includes 4 GB of RAM.

Fiery IPDS: High-performance, IS/3 compliant IPDS solution. Enables print service providers to manage all data streams, such as IPDS, PDF, PostScript, and VDP formats such as PDF/VT, PPML and VIPP (Xerox servers only) from one single interface. Available on an engine-specific basis.

Try Fiery software for free at [fiery.efi.com/freetrials.](fiery.efi.com/freetrials) Experience the full power of your Fiery digital print server with free trials of Fiery workflow software.

FIERY SERVER CERTIFICATIONS

Idealliance Digital Press System Certification: The program consists of testing and certification in areas of color, print properties and print production. The program considers the entire press system, including the digital front-end, print engine, and paper. Idealliance certifies that the digital press systems meet or exceed established industry tolerances for excellence in the areas of Colorimetric Accuracy, Uniformity, Repeatability, Durability, and Registration, and are therefore officially awarded Idealliance Digital Press Certification. Certification details can be found at resources.efi.com/idealliance

Fogra Validation Print System (VPS): This certification is aimed at digital printing system providers and serves as proof of the conformity of their product with the criteria of ISO 12647-8 (Validation Print). The certification comes with a certificate and a FograCert logo in addition to the technical test report, which shows the product's conformity to ISO 12647-8. Certification details can be found at [resources.efi.com/fogra.](resources.efi.com/fogra)

JDF Certified: Saves time and money when integrating new software and equipment into a production workflow. All Fiery external servers and embedded Fiery servers with the Fiery Automation Package are [certified as JDF compliant](certified) by CIP4 and Printing Industries of America.

Fiery Central: Improve digital print production capacity, turnaround and productivity by centralizing control of print job management across multiple production systems.

Fiery VUE: A visual, interactive desktop printing application that produces professional-looking, finished print materials quickly, easily and cost-effectively. Download at [www.efi.com/fieryvue.](www.efi.com/fieryvue)

Provides performance and automated workflows that maximize printer throughput

PRODUCTIVITY
Fiery HyperRIP: Offers a unique parallel processing technology that enables blazing-fast RIP speeds. Two HyperRIP modes (for single and multiple jobs) can increase RIP speed up to 55%, helping to achieve uninterrupted production and avoid lost production time.
Rush RIP: Works with Fiery HyperRIP multiple job mode to immediately RIP a single job without interrupting other currently RIPping jobs.
Spool-RIP-Print Simultaneously: Offers the fastest output delivery by performing spooling, RIPping and printing of a single- or multi-page job or of multiple jobs at the same time.
Server 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 maximizing productivity.
Proof Print: Allows users to produce a single copy of a job without changing the copy count.
Force Print: Eliminates the need to re-submit 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.
Rush Process and Hold: Allows a job to be processed right away and sent to the Held queue without canceling currently processing jobs.
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 problem, such as printer out of paper, finisher disconnected or output destination full.
Fiery Smart Estimator: Provides a cost estimate for toner or ink usage before printing a job. The estimate is done by the Fiery server and is based on the raster data of the RIPped jobs. Available on an engine-specific basis.
Print Time Estimation: Provides a print time estimate for print jobs to enable better planning and scheduling.
Sequential Printing: 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.
Strict Ordered Printing: Ensures jobs print in the order they are listed when selected to print from Fiery Command WorkStation. It offers a predictable order of the printed output to guarantee a streamlined finishing and distribution processes.
Fiery FreeForm™ Plus: A proprietary Fiery VDP format available within the Fiery FreeForm Create application that delivers improved usability and VDP capabilities.
Fiery FreeForm Create: A free, stand-alone visual VDP creation application to quickly and simply personalize files and add variable elements with just a few clicks. Download at www.efi.com/freeformcreate.
PPML compatibility: Supports the PPML 3.0 VDP format, which supports in-RIP transparency flattening as well as transparency within the PDF layer and between layers. Available for external Fiery servers only.
VPS compatibility: Supports the Creo variable print specification (VPS) VDP format. Available for external Fiery servers only.
PDF/VT-1 compatibility: Supports the PDF/VT-1 VDP format. The Fiery server detects records defined in the PDF/VT job and caches reusable XObjects, which enables the Fiery server to RIP repeated elements only once, then cache them. Available for external Fiery servers and embedded Fiery servers with the Fiery JobExpert and PDF Processing Kit.
PDF/VT-2 compatibility: Provides a performance improvement over PDF/VT-1 files with the ability to refer to resources through a file search path so that they can be processed inline, but the overall PDF/VT file size being transferred is reduced. Available for external Fiery servers only.
Optimized PDF and PS: Processes PDF XObjects just once for the entire job. RIPped versions of these elements are cached to be used any time the XObject is needed in a page, allowing the Fiery system to reduce processing time.
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 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. Reprinting sets allows for easier cutting and stacking.
Set Page Device: Automatically prints embedded Set Page Device (SPD) commands from specialized applications that require dynamic mixed media or data-driven mixed media—eliminating the need for operator intervention.

Delivers the best imaging technology with accurate and consistent color

COLOR & IMAGING QUALITY
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 color spaces, press simulations and printer output.
PANTONE® Libraries: Fiery servers use licensed Pantone libraries to match Pantone colors. They include the latest PANTONE Formula Guide, PANTONE PLUS, PANTONE FASHION, HOME + INTERIORS, and PANTONE GOE libraries.
HKS, DIC and TOYO Ink Spot Color Libraries: Define spot colors used primarily in Europe (HKS) and Asia (DIC and TOYO). The color conversion tables are used by the Fiery server to transform a spot color to CMYK to give the closest match to these spot colors.
Fiery TrueBrand™: Provides an easy way to print accurate brand colors from RGB-only applications such as Microsoft Word and PowerPoint. Available on an engine-specific basis.
Fiery Spot-On: Standard spot color management tool on the Fiery server. Enables creating and editing of custom spot colors, creation of substitute colors, ability to print a swatch book, and capturing spot colors with a spectrophotometer.
Fiery Spot Pro: Powerful spot color management tools that deliver consistent, accurate brand colors. Build and manage spot color libraries, create and customize spot colors, and ensure color-standard conformity.
Spot Color Group Priority: Allows users to set which spot color library takes priority for a given job.
Fiery Color Profiler Suite Integration: Offers quick access to Color Profiler Suite profiling tools directly from the Command WorkStation® interface.
Optimized RGB Transparency: Enhances the print quality of PDF files that include overlapping RGB elements defined with transparency by accurately rendering and printing the expected colors.
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 color transformations.
Auto Trapping: Automatically corrects many artifacts, such as white lines or halo effects where two colors touch, caused by engine misregistration in any document type, including Microsoft Office documents.
Composite Overprint for Spot and CMYK Colors: Allows objects specified to overprint in composite PostScript and PDF files to print correctly.
Grayscale Composite Overprint: Allows overprints, drop shadows and transparencies in color print jobs to render accurately in grayscale mode.
Raster Curve Editor: Provides a way to make late-stage color curve edits directly from Job Properties. Not available for Fiery A20 servers.
Fiery JobExpert: Analyzes incoming PDF files and dynamically chooses the optimal print settings to achieve the highest quality while optimizing production time.
Fiery Preflight: Increases productivity and eliminates costly errors at the printing stage by checking fonts, spot colors, low-resolution images, hairlines below threshold, overprints and PostScript errors.
Fiery Preflight Pro: Provides the ultimate set of PDF quality control checks to ensure files will print as expected. Verify file compliance to industry standards, and view any errors in the visual Preflight Pro Report.
Fiery Postflight: Delivers color-coded job diagnostic reports to quickly and easily identify potential printing issues such as mixed source colors and spot colors.
Fiery Control Bar: Provides a tool for color quality control by placing the Ugra/Fogra Media Wedge, an industry standard color bar, on every printed page. Also prints details of job settings.
Fiery ImageViewer: Enables full-resolution print data previews in Fiery Command WorkStation so users can see exactly how the job will look before printing. Saves time and reduces waste from print mistakes. Replace specific color tints throughout a document, on a selected page, or in a selected area.
Fiery Dynamic HD Text and Graphics: Enables printed output to preserve fine detail in text, vector, and knock-out elements to improve and sharpen edge quality even when printing at standard resolution. Available on an engine-specific basis.
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 greater color control and accuracy.
Image Smoothing: Improves overall image quality by smoothing low-resolution images and the gradation transitions in line art.

COLOR & IMAGING QUALITY

Text and Graphics Quality: Increases output quality, achieving better definition for a sharper and smoother black text and line art with minimized 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 color behavior and provides consistent color over time.

Job-based Calibration: Increases color 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 color consistency in every job.

Fiery Edge factory profiles: Fiery Edge color profiling technology pushes Fiery Driven™ printers to the limit of their color and imaging capabilities. Produce smoother color transitions, richer blacks with superior shadow detail and definition, more accurate blues and reds, and access to more controls to boost color where it matters.

Enables profitable production of high-value products through leading job prep and management

MANAGEMENT

Fiery Command WorkStation™: Manage print jobs faster and boost print production with the most popular production print job management solution in the industry. The intuitive interface connects to all Fiery Driven printers from a single interface.

Fiery Go: Allows operators to manage and monitor Fiery Driven printers from anywhere using iOS or Android devices.

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.

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 of the print submission process.

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

Paper Catalog: Stores attributes of the media stock at the production site. The JDF-based centralized paper database facilitates media selection at job submission by associating media entries with the media stock loaded at the print engine.

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, minimizing manual collation.

Copy Numbering: Adds a simple copy number watermark that repeats over the pages of a job. It is useful for legal and government documents to provide identification, copy protection, and automatic consecutive numbering of pages.

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.

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.

Imposition Automation: Reduce touchpoints and save time producing similar job layouts. Use Fiery Impose templates with any of the job submission methods such as Hot Folders, Virtual Printers, presets, and Fiery JobFlow.

Offline Finisher Integration: Increases productivity by enabling post processing with offline finishers by printing preconfigured barcode and registration marks on a page.

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

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

Edit with Acrobat: Enables last-minute changes to text, spot colors or images in PDF documents, without returning to the original file. Requires the Adobe Acrobat 2020 Kit or your own Adobe Acrobat subscription.

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

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

MANAGEMENT

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

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

Convert to Grayscale: Allows operators can easily specify any page or sheet surface to print in black and white during the makeready stage. This saves on click charges and easily fulfills the designer's intent for a printed piece.

Advanced Page Numbering and Stamping: Allows operators to create unique numbering sequences for one or multiple sections, using a combination of custom text, formats and macros. Adds page numbers, can skip page numbers for inserts and tabs, and includes page number templates for predefined numbering styles. Customize a job quickly without requiring a designer by adding company logos, watermarks, and graphics.

Auto Tabs: Creates tab sheets, places them in the right location and populates the tab ear content automatically by using text from the bookmark links of PDF documents.

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

Bleed Edge Tabs: Allows users to produce fully finished long documents with well-defined sections without the need to use special tab media.

Multi-Bank Tabs: Allows the use of two tab styles in a single document. It identifies chapters and subchapters in long documents such as books and manuals.

Offers versatility to fit in any environment with reliable system operation

CONNECTION

Adobe® PDF Print Engine Support: Integrates Adobe PDF Print Engine rendering technology to provide 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. Updated with enhancements and service releases on an ongoing basis.

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.

Graphic Arts Filters: Seamlessly integrates with third-party workflow and prepress solutions by importing EPS, PDF/X, TIFF, and JPEG.

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 MarketDirect StoreFront® and EFI MIS/ERP business software, so that job information can flow through systems faster and more efficiently.

EFI Pace™ and EFI PrintSmith Vision Integration: Offers complete visibility into business performance through a browser-based, scalable and customizable 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 MarketDirect StoreFront® Integration: Provides a scalable, Web-to-Print eCommerce solution. Includes a shopping cart, pricing options, approvals, job ticketing, tracking and status, an unlimited number of brandable storefronts, bi-directional integration to Fiery servers, and content and file management capabilities.

Kodak® Prinergy™, Heidelberg® Prinect® 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: 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.

Job Cost Tracking: Configures the print driver to record the accounting information included in the print job.

Fiery API: Allows customers to rapidly develop unique apps and tools that integrate with the Fiery server for specific business needs on a variety of desktop or mobile platforms, including Windows®, macOS, iOS and Android.

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 auto-recovery: Automatic procedures to reinstate the Fiery server to increase uptime, along with reducing field service and support calls.

CONNECTION

Fiery System Restore: Allows administrators to back up the Fiery server for quick recovery. It offers an automatic backup process that can be scheduled using WebTools or Fiery QuickTouch.

Fiery Installer Builder: Manages the download of a complete Fiery software and operating system image to reinstall software on the Fiery server using the USB port or a network installation.

Re-install only Fiery software: Offers the ability to re-install the Fiery software separate from the Windows operating system. Makes servicing and supporting Fiery servers easier by reducing Fiery software installation time.

Security Profiles: Offers pre-defined security recommendations based on different risks and threat levels to safeguard the Fiery server. Individual security settings can be modified using Fiery WebTools or Fiery Setup Wizard.

User Data Encryption: Provides an extra level of protection against data theft. Encrypts user data such as user configuration, user jobs, scan jobs, logs, and local backup image.

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

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

Secure Erase: Removes the content of a submitted job from the Fiery server's hard disk drive whenever a Fiery function deletes a job. When a job is deleted, each job source file is overwritten three times using an algorithm based on the US DoD 5220.22-M data wipe method.

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

SSL Support: Provides a secure connection for data transmission between the client and the Fiery server. Uses the latest cryptographic protocols available.

Security Audit Log: Allows Fiery administrators to collect security-related events in a format that can be integrated with third-party Security Information and Event Management (SIEM) solutions.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, building materials and personalized documents, with a wide range of printers, inks, digital front ends, and a comprehensive business and production workflow suite that transforms and streamlines the entire production process, increasing your competitiveness and boosting productivity. Visit www.efi.com or call 650-357-3500 for more information.