Essential Sales Tools
FIERY SYSTEM 8e SALES GUIDE

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303 Velocity Way
Foster City CA 94404
(650) 357-3500
www.efi.com

FIERY SYSTEM 8E

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EFI: WORLD LEADER IN DIGITAL IMAGING & PRINT MANAGEMENT

Headquartered in Foster City, CA, Electronics For Imaging, Inc. (EFI) employs more than 1,400 people, maintains 25 offices worldwide and is the world leader in digital imaging and print management solutions for commercial and enterprise printing. EFI's award-winning technologies encompass the entire document life-cycle and offers tools from creation to print, including high-fidelity color and monochrome Fiery print servers that can output up to 2,000 pages per minute; powerful production workflow and print management information software solutions for increased performance and cost efficiency; as well as an array of business-critical enterprise and mobile printing solutions.

Since the introduction of the first Fiery controller, EFI has set the pace for delivering high-quality, short-run color and black and white digital printing solutions. Efi Arazi, founder of Scitex, founded EFI in 1989 and in 1991; EFI introduced the first Fiery color servers, transforming standard digital color copiers into networked color printers for brilliant, photographic-quality images at an affordable price. Today, over one million EFI print controllers have been sold and installed in leading corporations, advertising agencies, graphic design studios and print-for-pay businesses around the world.

In addition to EFI's core server and controller business, EFI has diversified into new markets and distribution channels by developing and acquiring solutions for the commercial printing and enterprise markets. EFI solutions range from job submission to proofing, pre-press, output, and print MIS. The EFI strategy is to offer best of breed, end-to-end solutions that are interoperable and conform to open standards allowing customers to choose the most efficient solutions for their business.

End-to-End Solutions Focused on Driving Customer Profitability through:

Automation
- Cost savings through efficiency & accuracy

Open Architecture Platforms
- Faster to implement new technology
- Flexible product updates
- Output device independent
- Protected investments

Common GUI
- Easier customer implementation
- Reduced training
- Accelerate solutions learning curve

Cross-Product Integration
- Cost management & workflow
- Variable Data
  - Openflexible / open / scaleable solutions
- Comon workflow for most environments

New Revenue Streams
- Enabling our customers & partners with technology

FIERY PERFORMANCE:

In a digitally connected and managed document production setting, system performance is no longer judged solely on how fast a job is RIP'd and printed. Instead, high performance solutions need to streamline all aspects of document production with efficient utilization of available resources, productivity tools that simplify tasks and logical, adaptable workflows for users.

At the heart of Fiery performance is a comprehensive understanding of what it takes to drive complex documents through high-volume output systems, at production speeds. Fueled by a powerful combination of hardware developed specifically for document processing, and industry leading production printing software, Fiery System 8e software is built on sheer horsepower, taking full advantage of the core technologies that made Fiery the most successful RIP in the market.

Some of these core technologies are:

ECT compression: Definite compression ratios and virtually lossless image quality

Compression software decreases the amount of memory necessary to store documents during processing and enables faster printing of documents

RIPChips: Custom designed Fiery components to increase productivity

Application Specific Integrated Circuit ("ASIC") chips, decrease overall print times by off-loading data movement from the microprocessor

RIP-While-Print: Allowing one page to be printed while subsequent pages are simultaneously processed

Continuous Print: Allows processed pages to be stored in memory before printing. Eliminating the need for the copier or printer to cycle down between unique pages

**Optimized Processing
of Microsoft & Adobe
Application Files**
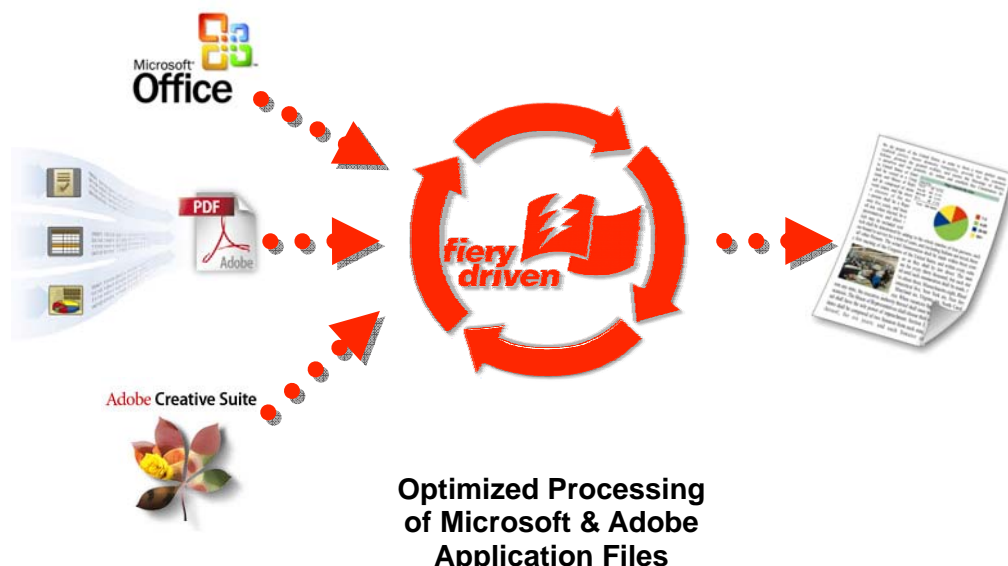
FIERY SYSTEM 8E

PLATFORM OVERVIEW

Fiery Controllers with System 8e deliver the highest-quality color output of any embedded solution, with superior performance, color, and control that make short-run digital color printing easy. Built on powerful Fiery architecture, seamless networking capabilities, and an easy to use interface, Fiery System 8e Controllers empower users to produce consistent and predictable, high-quality color documents.

Designed to be a comprehensive solution for even the most demanding environments, including office workgroups, "print for pay" organizations and graphic arts arts users, each Fiery System 8e Controller is designed to optimize document printing.

A recent Sysmark Benchmark of Intel's Celeron M Processor showed that when running standard office applications, the Celeron M Processor was almost twice as fast as the Mobile Celeron with a higher clock speed and almost matching the performance of the Pentium M Processor

Processor Comparison
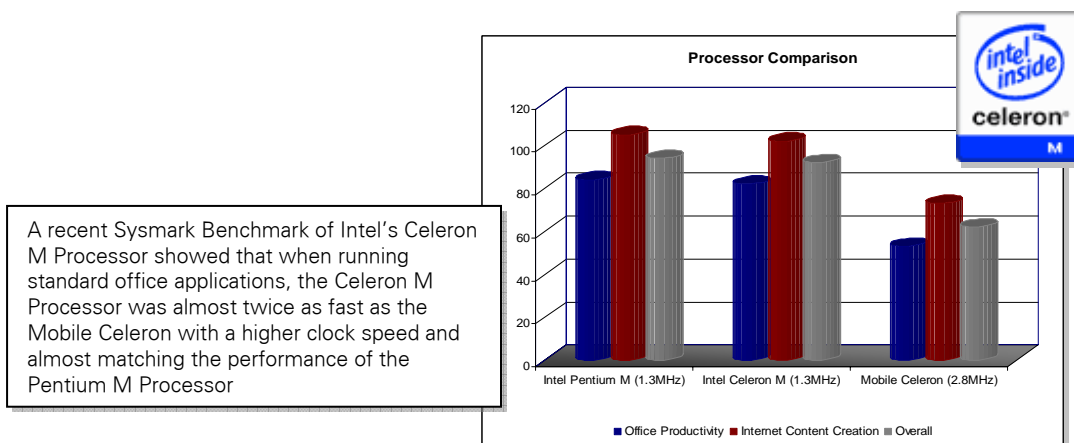
Fiery System 8e Controller Hardware Configuration:

Configurations	X3e-TM	X3e-TY	X3e-IM
Hardware			
Processor	Transmeta 1.0 GHz	Celeron 2.0+ GHz	Celeron-M* 1.2Ghz/1.5 GHz
Power Requirement - peak	25W	100W	50W
Power Requirement - waiting	15W		
Memory	256MB	256+MB	256+MB
Hard Drive	0 to 80GB	20 to 80GB	20 to 80GB
Local GUI interface	Available Option	Available Option	Available Option
10/100/1000BaseT (RJ45)	Available Option	Available Option	Available Option
USB support	v1.1	V2.0	V2.0
PCI bus slots	2-PCI/X	2-PCI	2-PCI/X
Configuration	2 board	Single board	2 board
Removable Media	External Option via USB	External Option via USB	External Option via USB
Operating System	Linux	Linux	Linux
Options			
Hard Disk	Available Option	Included	Included
EFI Densitometer	Available Option	Available Option	Available Option
EFI Spectrophotometer	Available Option	Available Option	Available Option

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Software Configuration and Options:

System Components	Fiery System 8e Controller
Fiery System 8e	STANDARD
EFI Spot-On®	OPTIONAL
EFI Auto-trapping (1-pixel)	OPTIONAL
EFI Hot Folders & Virtual Printers	OPTIONAL
EFI Impose	OPTIONAL
EFI Desktop Pro	OPTIONAL
Pageflex Persona – Fiery Version	OPTIONAL
PrintShop Mail - Fiery Version	OPTIONAL
Secure Erase	OPTIONAL
EFI Color Profiler	OPTIONAL
Removable HDD (OEM Specific)	OPTIONAL

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FIERY SYSTEM 8E OVERVIEW

Millions of Fiery users depend on Fiery technology for precision color, consistent high quality output and workflow innovation. System 8e takes these Fiery qualities to the next level with its leading edge WYSIWYG job composition and imposition tools, workflow automation, user/device authentication tools, and flexible open network integration compatible with even the most demanding environments.

Fiery System 8 delivers seamless integration with other technologies and products to offer workflow automation, scalability, modularity and optimization of assets. Combining a powerful new Fiery hardware platform and integrating versatile system software; the embedded controller with Fiery System 8e is unparalleled in its capabilities and connectivity, and continues to set the standard for dynamic document printing with a cohesive, automated and highly interactive workflow.

By design, the Fiery System 8e Controller's core functions provide the highest levels of capability and efficiency focused in the following areas:

Exceptional Color

Combining EFI's award winning color printing capabilities with a robust set of automated functions including Fiery Spot-On®, Auto-Trapping and an enhanced Color Calibration utility, Fiery embedded controllers deliver consistent, predictable color output with unparalleled quality

Productivity

At the heart of the Fiery System 8e Controller is a powerful hardware platform featuring an Intel Celeron 2.8 GHz Processor as well as a combination of EFI developed hardware and software that is focused on driving pages through the print process at optimum efficiencies, the Fiery System 8e Controller is clearly the most productive and efficient printing solution available in its class.

Flexibility

Built on a strong set of utilities designed to facilitate seamless integration into almost any network infrastructure, the Fiery System 8e Controller is unique in its ability to provide all of the tools and functionality required by even the most demanding IT Administrators, while offering users an intuitive, unobtrusive and flexible platform to manage the entire document printing process.

Security

Complete with tools that enable IP Filtering, Port blocking and a Secure Erase option, the Fiery System 8e Controller offers IT Administrators a complete set of functions and applications to ensure maximum security for managing network interaction, users and documents.

The new Fiery Controller with Fiery System 8e incorporates many new technologies and enhancements from EFI. The following section provides a summary of what has been added and/or enhanced in the existing technology, and a description of new technologies.

Overview New Features in Fiery System 8e:

User Authentication – The User Authentication feature allows the Fiery administrator to define a set of users/groups that are authorized to perform a set of functions/tasks on the Fiery.

Support for Adobe PS 3017 – The Fiery includes an Adobe PostScript interpreter (CPSI 3017) that parses and rasterizes a print job of a supported file format.

EFI Desktop SE – A new utility allowing customers to instantly organize, find and share all their paper & digital documents based on the popular PaperPort by Nuance.

ColorCal Enhancement – ColorCal is a calibration method that utilizes the copier's scanner as a measurement device. It is an extension of the current AutoCal technology. ColorCal Enhancement allows the user to specify a specific Color-Cal patch page number as their preferred page for printing.

Composite Overprint of CMYK and Spot Colors – This feature is similar to the Black Overprint feature. It enables overprinting for objects that are specified in the source PDF or PS file. All overprinting commands specified in source applications like Quark and Adobe InDesign are honored when the output is composite and consistent with separations output.

Print Gray as Black – With the "Print Gray as Black" feature users can designate that any gray in a job be printed using ONLY black toner. This ensures that no more than 1-click is used to generate grayscale output. The user accesses this feature through ColorWise Pro Tools' Color Setup.

Support for DTP-32 Series II – CWPT now has additional support for X-RiteDTP-32 Series II Densitometer for calibration.

ColorWise Pro Tools (CWPT) 3.7 – Enhancements for CWPT includes new base features such as: - ColorCal Setting - Print Gray as Black - Support for DTP-32 Series II.

Web JetAdmin Capable – The Fiery provides connectivity through HP's WebJet Admin. Custom plugins and printer bitmaps from WebJet Admin are not supported.

EFI Driver 3.0 – Enhancements for EFI Driver v3.0 include new improved user interface, layered simple interface, user authentication support, improved categories of print options, customizable basic pane, Sec. 508 compliance, and improved job layout preview. Enhancements have also been made to the EFI Job Monitor to enhance usability such as application context job monitoring and revised preferences.

EFI Driver 3.0 Enhancements:

Full bi-directional capability – Gives the user dynamic printer status information including paper and toner levels information. When BIDI is not available, the information displayed here is static and read-only.

Customizable basic tab – The pre-defined options in the basic tab may vary between embedded and server - but user may always customize this using the same mechanism in current driver to customize shortcuts.

Improved layout bitmap – Dynamic interactive layout bitmap that scales based on output paper size.

Quick color or image shortcuts – Quick shortcuts allow the user to define the color or image transformation by selecting the image type of the user's print job. Shortcuts will include: Office Preset GA Preset B&W Preset Draft Preset.

Interactive machine bitmap – Interactive machine bitmap shows toner and paper levels - as well as common printer status information and error conditions. In addition, selecting a particular tray will select that tray as a paper source for the print job. This will be reflected in the paper source ppd options. When BIDI is not available, the information displayed here is static and read-only.

Layered simple UI – PPD categories are organized by tab (represented by icons) with the most common printing options represented under a (user-customizable) 'Basic' tab.

Toner and Paper status info (basic tab) – Paper, toner and printer status info is displayed in the basic tab giving the user quick information on the status of the printing device.

Available in both PS and PCL – Both versions will have the general same set of UI features but owing to the limitations EFI may face on the core driver, there will be differences. PCL is required and will be developed to be very competitive; if not better than existing PCL drivers on the market.

Available in Windows Platform – This is available for both Mac and Windows platform. The supported operating system versions are - Windows XP (latest version) - Windows 2000 (latest version) - Windows XP 64 bit - Windows Longhorn (TBD).

Sec 508 Compliant – The driver is designed to be Sec 508 compliant. Navigation is done thru 'Tab' key and selecting different tabs is thru 'Alt + number' which is displayed as a mouseover.

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Overview New Features in Fiery System 8e continued...

IP Sec Support – IP Sec or IP Security Protocol provides security to IP protocols through encryption and authentication mechanisms. IP sec in the Fiery allows the Fiery to accept incoming data that supports IP Sec using a specific authentication method.

SSL / TLS Support – In the Fiery, SSL and TLS support creates a secure connection for transmitting data between the client and the server. SSL and TLS supported for the following: - IPP over SSL - LDAP over SSL and TLS.

Certificate Management – In the Fiery, certificate management allows the Fiery admin to add/ Load/Browse for available digital certificates (created by a trusted authority) - and private keys, assign or associate an available digital certificate for a particular service such as- Web Services and add trusted certificates (created by a trusted authority).

Encryption of Critical Information – Encryption of critical information in the Fiery ensures that all passwords and related configuration information are secure when stored in the Fiery. The encryption method used is based on commonly accepted industry standards.

WebTools 3.0 – Enhancements to WebTools3 include the following: - Home - provides basic status and capabilities of the Fiery - Downloads - allows user to install client tools - MyDocs v1 - user authenticated access to mailbox jobs and ability to download print jobs to the Fiery. - Configure - allows the admin to configure the Fiery. - Users and Groups - user authentication management tool.

Fiery Remote Scan 5.4 – The Fiery Remote Scan 5.4 enhancements includes the following: - Additional image resolution support for iFax 200/400/600 dpi. - Specify the from: address of an email sent by the Fiery as that of the user name as defined by the Fiery Remote Scan client. - Support for User Authentication (mailboxes mapped to user's passwords).

New Job Properties UI – New Job Properties UI offers usability improvements and revised organization of PPD options. This offers consistency of user experience across EFI client apps such as CWS 4.5, CWS ME 1.3, Hot Folders v2.2 and the EFI Driver.

Hot Folder v2.2 (Optional) – Enhancements for v2.2 for the Mac/Windows include support for the new Job Properties UI and 1-bit Tiff/IT filter.

EFI Command WorkStation, Windows Edition (v4.5) – Enhancements for EFI Command WorkStation, Windows Edition includes support for the new Job Properties.

EFI Command WorkStation, Macintosh Edition (v1.3) – Enhancements for EFI Command WorkStation, Macintosh Edition includes support for the new Job Properties.

Additional PCL fonts (Optional) – Additional PCL fonts are available on the Fiery.

Bitstream PCL fonts – Bitstream PCL fonts are standard on the Fiery.

Optimize PDF – Optimize PDF allows the Fiery to optimize its rendering of PDF files with XObjects.

Balance 3.2 Support – The Fiery fully supports Velocity Balance v3.2 servers for connectivity and load balancing.

Master Installer for PC (Windows) – The Fiery now includes a master installer for Windows - for all EFI client applications.

Downloads in the Fiery – This feature of Web Tools 3 allows the user to download both printer files and client applications (utilities) from the Fiery to a client computer.

USB Media Print v2.0 – This feature provides an easy way to connect USB mass storage devices to Fierys and print files from the mass storage device. Folders can also be created on the mass storage device for automatic printing.

FIERY SYSTEM 8E

Overview New Features in Fiery System 7e:

Secure Erase (Optional) – Secure Erase is designed to remove the job file from the Fiery HDD whenever a job is deleted. At the instance of deletion, the job file is multiple times. Secure Erase provides a high level of document security on the Fiery server.

Removable HD (SPA) (Optional) – The Fiery supports a removable hard drive option kit for increased security. This kit provide the user with the ability to both lock the server drive(s) into the system for normal operation and the ability to remove the drives to a secure location after powering down the server.

Revised Startup Page – The Fiery Start (or Start-up) Page is an admin/operator tool designed to give the admin/operator a quick cursory look at the basic Fiery setup and core configuration options. The startup page has been revised to include more configuration options as well as enhanced corporate and OEM branding.

Native Doc Conversion – Automatic conversion and printing of Microsoft Office native files; Word, PowerPoint and Excel. These files will be transparently routed by the Fiery to the PrintMe server for conversion to Postscript and then printed on the Fiery.

USB Media Server (Print) – This feature provides an easy way to connect USB mass storage devices to Fiery's and print files from the mass storage device. Folders can also be created on the mass storage device for automatic printing.

USB Printing support – The Fiery supports printing through a direct USB connection.

SNTP - Simple Network Time Protocol – SNTP allows the Fiery to connect to a remote date/time server to retrieve accurate standard time. When the user specifies the local time zone, the Fiery will translate this to the correct local time. This can pro-vide standardized time whether the Fiery's workflow is limited to a single location or if it spans multiple time zones.

IPv6 Support – The Fiery support the phase-in transition for IPv6. In the Fiery's IPv6 phase 1 the following features are supported: - SMB - LPR - Port9100 - Enable/disable via LCD (default is enabled) - Enable/disable via WebTools Configuration (default is enabled) - Approved for IPv6 Ready Phase I Logo

SNMPv3 - Simple Network Management Protocol v3 – SNMPv3 allows the Fiery administrator to select from three levels of security. The Fiery administrator also has the option to require authentication before allowing SNMP transactions and to encrypt SNMP user-names & passwords.

Booklet Maker v2.1 – This is an extension of BMv2; enhancements include support for center margins and nested saddle option.

Backup and Restore Settings – This feature allows the admin to backup all settings and templates on the Fiery server. In addition, the admin can restore all configuration settings.

Scan Enhancements – Enhancements to scanning in the Fiery include Scan-OCR support (optional), performance improvement for twain scans and additional resolution support for internet fax.

Job Log Enhancements – Enhancements for Job Log include the full support for displaying details of a Mixed Media job - both in the Job Log window and in the printed output.

Downloads in the Fiery – This feature of Web Tools 3 allows the user to download both printer files and client applications (utilities) from the Fiery to a client computer.

Virtual Printers (Optional) – The Fiery administrator can define a series of virtual printers for the Fiery to publish. The user can access a virtual printer via a print driver. Jobs submitted through the virtual printer conform to the job ticket set-tings of the virtual printer. The administrator can define, in case of a conflict, whether the job ticket settings defined in the virtual printer or in the print driver apply to the print job.

WebTools 2 – WebTools2 is the internal code name given the latest generation of browser based tools hosted on the Fiery. WT2 provides the following tools for the user: Home (Fiery status and product-level capabilities), Print (job submission), Install (driver installation), and Scan (scan job retrieval). WT2 includes Configure (setup options) for the administrator.

EFI ColorWise Pro Tools v3.5 – Enhancements for EFI CWPT include support for Rich Black setting, support for ICC.1:2004-10 (profile version 4.2.0.0) specifications.

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Overview New Features in Fiery System 7e continued…

EFI Command WorkStation, *Macintosh Edition* (v1.2) – Enhancements for EFI Command WorkStation, *Macintosh Edition* (formerly CWS ME - now called CWS ME) include additional clear server functions, on-line help, advanced find functions, support for ColorWise Pro Tools, Image Shift and Schedule Printing. Some of these features were actually introduced in CWS ME 1.1.

EFI Command WorkStation, *Windows Edition* (v4.4) – Enhancements for EFI Command WorkStation, *Windows Edition* include usability enhancements, virtual printer setup, support for new remote setup, enhanced job log and support for additional clear server function (delete scan jobs), Fiery Discovery resolution, USB dongle support and support for Mixed Media jobs in the job log. Some of these features were actually introduced in CWS 4.3.

EFI Print Driver 2.9 – Enhancements for EFI Print Driver v2.9 include BMv2.1 support, watermark support for Windows 2000/XP, and support for virtual printers.

Scan Enhancements – Enhancements for scan include Scan-OCR support (optional) and more image resolution support for internet fax.

Tab Shift – Allow users to print on the tab ear of tab pages.

Image Shift Plug-In – Support for Image Shift function as a plug-in in the Mac OS X Print Center.

FIERY SYSTEM 8E STANDARD FEATURES

SERVER

Back Up and Restore

Allows the Fiery administrator to backup client settings and then restore them to the same Fiery making the following adjustments:

KEY FEATURES:

- Backup Client Settings & Restore to the Same Fiery
  - Setup information
  - List of User

FIERY ADVANTAGE:

- Reduces support by automating restoration procedures
- Eliminate downtime and expedite system recovery

CUSTOMER BENEFITS:

- User definable settings are protected in the event of re-installation or updates to system software saving time during restoration and enabling a quick recovery.

System Software Update

This feature allows for a simple check for valid updates keeping the Fiery up-to-date by periodically contacting the update server on the internet and providing notifications, downloads and installs regarding:

1. Microsoft Windows XPe critical updates issued by Microsoft
2. Fiery patches (OEM Specific – not available on all Fiery's)

Note: - Only system software updates and patches are available from this update mechanism.
    - Internet Browser: IE 4.02 or higher

KEY FEATURES:

- Updates downloaded to the Fiery automatically
  - Administrator/user notified via LCD/copier panel
- Allows for scheduled automatic installation at preset time of the day
  - Restarts the Fiery automatically as needed
- Administrator can disable auto download and/or installation
  - Administrator can initiate manual operation

FIERY ADVANTAGE:

- Ensures most current Fiery and MS Operating system software for optimum operation and protection maximizing system up time and integrity

CUSTOMER BENEFITS:

- Keeps the Fiery up-to-date either without user intervention or by manual instigation
- Protects the Fiery from infection ensuring maximum up-time

FIERY SYSTEM 8E STANDARD FEATURES

USB Media Server

This feature provides an easy way to connect USB mass storage devices to Fiery's and print files stored on the device. New folders can also be created on the mass storage device for automated printing.

KEY FEATURES:

- Connect USB mass storage devices to Fiery's including:
  - USB Thumb drives
  - USB adapters for removable media (such as compact flash, smart media and memory stick)
  - USB hard drives
  - USB CD drives
- Native Document Conversion
  - Automatic conversion and printing of Microsoft Office native files
    - Word, PowerPoint, and Excel
      - Converted to Postscript
      - Printed through Fiery job submission via email attachment or USB media printing

  Note: Native Document Conversion only applies to jobs submitted through print via email and USB Media Server.

- LCD browse capability:
  - Selecting File - Any supported file on a USB mass storage device can be selected.
  - Submitting file - Menu options below are available for submitting files once in the "Selected File" mode:
    - Send to Hold Queue
    - Send to Print Queue
    - Send to Direct Queue
    - Send to <virtual printer queue name>
    - Print with options

FIERY ADVANTAGE:

- Open architecture design empowers Fiery with custom configuration and integration options
- Automated Document Conversion is a unique advantage available only through EFI and Fiery technologies

CUSTOMER BENEFITS:

- Increases overall flexibility and promotes MFP as a "Document Portal"
- Additional, easy and flexible way to print files from USB devices

FIERY SYSTEM 8E STANDARD FEATURES

Encryption of Critical Information (including passwords)

Encryption of critical information in the Fiery ensures that all passwords and related configuration information are secure when stored in the Fiery.

KEY FEATURES:

- Based on the "TwoFish" method/algorithm of encryption
  - Commonly accepted industry standards

FIERY ADVANTAGE:

- Aligns Fiery security operations with customer MIS/IT standards
- Support Government security requirements

CUSTOMER BENEFITS:

- Customers realize maximum security for operation of Fiery and access to mission critical documents
- Helps to eliminate unauthorized operation of Fiery reducing costs and down time

TABLE: Encryption of Critical Information 1

Application/User Interface (Used for Configuration)	Type of Information/Data
Fiery Setup, Remote Setup / WebTools / LCD or Copier Panel Setup	Admin and Operator Passwords
	FTP Printing Password
	NDS Setup for PServer and Print Server Password
	Bindery Setup Login Name and Password
	Bindery Setup File Server and Print Server Passwords
	SNMP Community Name/s
	LDAP Server Name/IP Address, LDAP (Setup) Username and Password, Domain name
	Proxy IP address or DNS name, Proxy Port #, Proxy username and password
Web Tools	Contacts List (non-LDAP address book used in User Auth)
Copier/ LCD scan	Mailbox Passwords (if any)
	FTP server name / IP address, port number of FTP directory, FTP username and password
	Proxy server name / IP address, proxy server username and password, proxy port number
	SMB domain name, user name and password
	Scan Presets, Destination Presets
Fiery Remote Scan	FTP server name / IP address, port number of FTP directory, FTP username and password
	Proxy server name / IP address, proxy server username and password, proxy port number
	SMB domain name, user name and password

FIERY SYSTEM 8E STANDARD FEATURES

PAGE DESCRIPTION LANGUAGES

Digital workflows have extended beyond typical production environments; reaching out to creative contributors, satellite offices and outsourced suppliers through automated job submission and highly connected infrastructures. File continuity and compatibility have become the critical components to ensure portability, predictability & consistency throughout the digital document's life cycle.

Since their introduction over a decade ago, Fiery controllers have pioneered digital workflows as a co-developer with Adobe Systems; leading the industry with innovative technologies that ensure consistent, predictable document production. Today, Fiery's include a PostScript interpreter (developed by Adobe and EFI, equivalent to CPSI 3016) that parses and rasterizes print jobs.

KEY FUNCTIONS & FEATURES:

- The Fiery interprets the following file formats in their native formats:
    - PostScript (PS)
    - Portable Document Format (PDF v1.5)
    - Native PDF v1.6, which is the Acrobat 7.0's native format
    - Encapsulated PostScript Format (EPSF)
    - Tagged Image File Format (TIFF v6)

FIERY ADVANTAGE:

- Industry leading interpreter development ensures compatibility
- Fiery supports the latest version of industry standard file formats
    - This capability includes the support of PDF/X files

CUSTOMER BENEFITS:

- Keeping up-to-date with the latest PDLs ensures compatibility
    - Takes advantage of any new functionality
- The Fiery now supports PDF v1.6, which is the native file format of Acrobat 7.0
    - Most non-Adobe interpreters (clones) currently do not support PDF v1.6.
- PDF-X Standard provides portability, predictability, & consistency
    - Critical to digital ad exchange
    - CPSI 3017 technology allows the direct printing and support of Native PDF 1.6 and PDF/X files

FIERY SYSTEM 8E STANDARD FEATURES

PostScript 3

The Fiery includes a co-developed PostScript interpreter (developed by Adobe and EFI, and equivalent to CPSI 3017) that parses and is rasterizes the print job. The rasterized file is then in a format ready to be transferred through the imaging device for finished printing. No emulation required.

KEY FUNCTIONS & FEATURES:

- 136 Adobe PS fonts installed
- PS Font backup support
- Tiff v6
- Downloaded native PDF print support - PDF/X support
- Optimized PDF Support
  - Optimize PDF allows the Fiery to optimize its rendering of PDF files with XObjects
- Double Byte Font Support (CID fonts only)
- Spot color support (in PS, EPS, and PDF)

FIERY ADVANTAGE:

- EFI's development and support for industry standard Adobe PostScript 3 ensures file compatibility as well as optimized and productive PostScript printing

CUSTOMER BENEFITS:

- The updated CPSI (Configurable PostScript Interpreter) version increases the level of compatibility with client applications used by Fiery users.
- Direct printing and support of Native PDF 1.6 and PDF/X files
- This co-developed version of CPSI 3017 provides optimized technology that allows the direct printing of Postscript and support of Native PDF 1 .6 and PDF/X files. Since Adobe also developed the Postscript and PDF languages, it stands to reason that an interpreter (RIP) developed with Adobe's participation prints these files more accurately than the "clone" RIPs often found at the lower end of the market.

FIERY SYSTEM 8E STANDARD FEATURES

PAGE DESCRIPTION LANGUAGES

Portable Document Format (PDF v1.6)

The Fiery supports the latest version of the industry standard PDF file format including the support of PDF/X files.

KEY FUNCTIONS & FEATURES:

- Several features have been recently introduced in the PDF 1.6 file format including the following list of the most significant additions that are supported by the Fiery:
  - Transparency features that are now native in Adobe graphics and layout programs provide effects such as soft drop shadows, feathered edges, and layered graphics that blend into one another. Designers use transparency effects to blend text with pictures, and pictures with pictures.
  - Overprint feature provides an "ink preview" that closely approximates how objects will appear when printed on an offset press.
  - The ability to display images using JPEG2000 compression and to allow 16-bit images.
  - An extension to the use of streams to allow greater compression of PDF files.
  - Watermark Annotation
  - Embedded PDF 1.6 OpenType font
  - AES Encryption
  - PDF Files larger than 2 gigabytes in size

FIERY ADVANTAGE:

- EFI's Development and support of Adobe PDF printing standards empowers the Fiery with the highest levels of file compatibility assures speedy processing of all files

CUSTOMER BENEFITS:

- Customers can take advantage of the new functionality in PDF 1.6 increasing capability and productivity
- PDF/X workflow provides more portability, predictability and consistency for all jobs
- A critical function for digital ad exchange, support PDF/X workflow streamlines operation

Overview of PDF/X

Adobe's Portable Document Format is fast becoming the de factor standard for digital file exchange- and PDF/X is subset of PDF and a true accredited standard

- PDF/X is not another new file format… it is a PDF file. More specifically, it is a restricted subset of the PDF language
- PDF/X was designed expressly to facilitate the complete exchange of reliable digital data, particularly in the publications advertising workflows.
- PDF files can contain lots of elements that have nothing to do with printing like sounds, movies and scripts.
- PDF files can contain lots of elements that could result in an incorrect output in the offset world. Like RGB images, missing bleeds or fonts that are not embedded

PDF/X limits or restricts the inclusion of data that can compromise the integrity of printed output from a PDF file
The content in a PDF file is limited according to four conditions:

- **Required:** A conforming PDF/X-1 file must contain this key or object
- **Prohibited:** A conforming PDF/X-1 file cannot contain this key or object
- **Restricted:** Where and how the usage of certain key or objects are limited by rules
- **Recommended:** It is suggested that the conforming PDF/-1 fine contain this key or object

As an example of those conditions, in order to be a PDF/X-1 file:

- Movies are prohibited. The file cannot contain a movie.
- Annotations are allowed but only outside of the bleed area of the document, so they are restricted
- General information like Title, Creator and Producer are required

PDF/X-1:2001: is the version ratified by ISO and it's based on PDF 1.3
PDF/X-1a:2001: is the same as the above version and prohibits the use of encryption as well as OPI objects
PDF/X-3:2002: the only real difference with above versions is that allows for ICC-based device independent workflows
Source: GATF Seminar: 'Prepress Workflow Overview'. Presented by Julie Shaffer, GATF Director, Center for Imaging Excellence

FIERY SYSTEM 8E STANDARD FEATURES

Enhanced PCL 6 / PCL 5

The Fiery includes a PCL interpreter to process received PCL-format files quickly and efficiently.

KEY FUNCTIONS & FEATURES:

- The Fiery supports auto-switching for PCL and PostScript
  - PCL formatted files will be **automatically** directed to the PCL interpreter
  - PS files will be automatically directed to the PS interpreter
- 80 scalable PCL fonts installed
- Fiery's PCL interpreter conforms to the following specifications:
  - PCL6 EC (XL)
  - PCL6e
  - PCL5EC (with color)
  - PCL6E (XL)
  - PJL
    - The Fiery supports Ustatus commands via PJL.

FIERY ADVANTAGE:

- Fiery's Enhanced PCL functionality makes it compatible with PCL only applications and is great solution for corporate environments with a mixture of PostScript and PCL printers

CUSTOMER BENEFITS:

- With Fiery's Auto Switching between PCL and PostScript, customers aren't required to change workflow processes saving time and reducing training and support overhead

Font Support

The Fiery supports both Roman and Asian (**Kanji**) double-byte fonts.

KEY FUNCTIONS & FEATURES:

- Fiery enables use of double-byte Chinese, Japanese and Korean fonts from all major font foundries
- Enhanced font support for System 8e includes additional PCL fonts and optional Bitstream* fonts
  * OEM Dependent

FIERY ADVANTAGE:

- With the support of double-byte Fiery technology leverages new markets and increases Fiery driven printer usage in existing markets.

CUSTOMER BENEFITS:

- Supporting additional PCL fonts; the Fiery is highly adaptable into today's customer environments
- Customers with Asian font requirements can utilize Fiery technology for more productive, high-quality printing

FIERY SYSTEM 8E STANDARD FEATURES

PAGE DESCRIPTION LANGUAGES

Fiery Smart RIP Technology

The Fiery SmartRIP is a new software architecture that combines intelligent processing with the efficient utilization of the latest in hardware to significantly accelerate RIPing performance ensuring the fastest possible processing speeds for all hardware configurations.

KEY FEATURES:

- Combining an Adobe Configurable PostScript Interpreter (CPSI) RIP with Fiery Smart RIP technology allows for:
  - Dramatically faster page processing through the recognition of file characteristics and the use of adaptive processing to accelerate color, compression and rendering processes.
    - RIP performance benchmarked at up to 2X the PPI of competing technologies on similar hardware
  - Improved efficiency and predictability in support of both color and variable data printing.
  - Visibly smoother edges and fine-type at high resolution (1 200dpi and up), especially noticeable in Kanji fonts, as well as Roman faces with delicate thin elements (example: Optima).

FIERY ADVANTAGE:

- As a co-developer of an Adobe Postscript interpreter, EFI designs all aspects of the Fiery to leverage as much of the hardware and software functionality as possible. Resulting in dramatic productivity gains at all levels of the print production workflow.
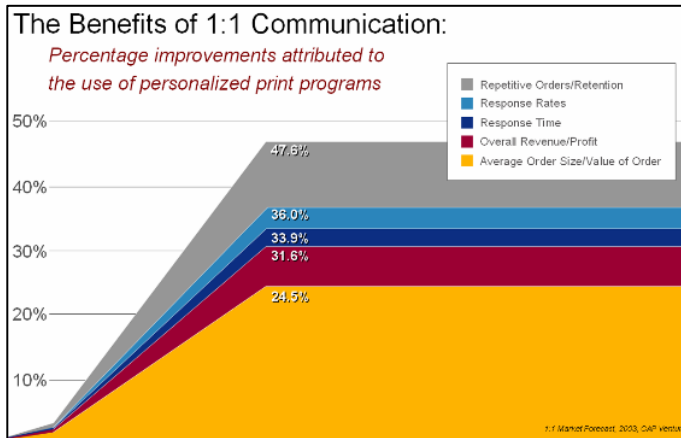
CUSTOMER BENEFITS:

- Customers realize an increased productivity by having a much faster throughput
- Improved image quality without affecting processing performance

FIERY SYSTEM 8E STANDARD FEATURES

VARIABLE DATA

No matter what you call it, personalization, customization, versioning, transactional printing, variable information (VI) or simply Variable Data Printing (VDP), research into the effectiveness of personalizing communications has found significant benefits associated with targeted marketing, principally; improvement to the bottom line. Overall revenues and profits associated with personalized marketing programs are over 31% greater than those related with general marketing. Measurable improvements also apply to the size and value of orders placed in response to personalized communications. Customers are also apt to respond more quickly and in greater numbers to personalized marketing messages. And personalized communications apparently increase customer loyalty because repeat orders and repeat customers, as measures of customer retention, rise by over 47%.

The Benefits of 1:1 Communication:
Percentage improvements attributed to the use of personalized print programs

Legend: Repetitive Orders/Retention, Response Rates, Response Time, Overall Revenue/Profit, Average Order Size/Value of Order

47.6%, 36.0%, 33.9%, 31.6%, 24.5%

1:1 Market Forecast, 2003, CAP Ventures

Today's overall trend toward target marketing will only intensify tomorrow. With its intelligent database-driven focus, and dynamic visual flair, VDP technology thrives in the competitive marketing environment. For organizations with the right resources, marketing support, and business knowledge, VDP is more than just a powerful tool: it's a strategic necessity.

EFI recognizes the need for a customized approach and offers VDP solutions designed to fit into existing workflows so customers can easily develop customized marketing campaigns regardless of their complexity.

Fiery Integrates into an array of workflows

EFI's Fiery technology delivers fast, industry-leading, adaptable variable data printing capabilities and allows customers to choose between various authoring tools to create static and variable elements with EFI's flexible and open, end-to-end variable data printing solutions. EFI's VDP solutions includes Fiery FreeForm™, as well optional VDP packages Print Shop Mail – Fiery Version and Pageflex Persona – Fiery Version, providing operators with a choice of powerful capability and functionality.

By drawing from its own and its partner's technologies, EFI delivers high-performance, economical VDP solutions. These solutions are flexible and scalable so customers can easily develop customized marketing campaigns, regardless of their complexity.

Understanding there is no one VDP solution to answer all of a customers needs, and that a customer's application of VDP technology is as variable as the data they're trying to print, EFI's goal is to facilitate whatever technology a customer is using today or in the future. With this in mind, EFI's VDP solutions are open, flexible and scaleable, and are designed to integrate with the most comprehensive and proven range of VDP languages.

FIERY SYSTEM 8E STANDARD FEATURES

EFI's Open VDP Solutions Strategy:

- Consume everything & print quickly
  - Support legacy formats
  - Bridge to remove barriers of entry
  - Seamless integration into existing workflows
- Offer flexible / open / scaleable solutions
  - ANY and ALL VDP languages
- Offer turnkey solutions
- Drive standardization & build critical mass
- Operator-friendly, consistent interface
  - VDP and non-VDP

KEY FUNCTIONS & FEATURES:

- Highest Level of Compatibility with third party VDP Vendors including:
  - PrintShop Mail - Fiery Version
  - Pageflex Persona - Fiery Version
- Flexible EFI tools
  - Fiery FreeForm
  - EFI Impose
  - VDP Imposition
  - Control Strip for VDP printing
  - Mixed Media
- Powerful EFI Utilities
  - URI support
  - File Search Path
  - VDP Job Submission
  - VDP Print Record Range
  - VDP Resource Manager

FIERY ADVANTAGE:

- "Open" VDP Implementation
- Consistent Workflow Across Languages
  - VDP and Non-VDP removes unnecessary complexity from VDP workflow

CUSTOMER BENEFITS:

- Customers are not limited to the tools they can use, allowing complete flexibility, and reducing costs by eliminating the need for new technology and training
- Consistent Fiery workflow interface greatly reduces training curve for existing Fiery users leading to fast adoption and productivity

FIERY SYSTEM 8E STANDARD FEATURES

FreeForm 1.0

FreeForm is EFI Fiery's unique and powerful VDP solution. Fiery FreeForm RIPs master data just once, enabling print engines to run at or near rated speed. In addition, Fiery FreeForm is simple to deploy and support, and its Fiery integration means users don't need to learn a separate front-end application.

FreeForm is an excellent entry level tool (included with Fiery) that provides ease of use while delivering optimal productivity and in most cases there is no need to learn a new page layout application.

Freeform 2.1

Fiery FreeForm 2 adds several features to Fiery FreeForm's already strong foundation. By allowing users to create multiple page masters, Fiery FreeForm 2 provides even greater personalization and more flexible VDP solutions.

Graphics professionals can still utilize their favorite applications and platforms when creating masters, and use a powerful application such as PrintShop Mail – Fiery Version to integrate design and database functionality by simply dragging and dropping database fields. With full integration of PrintShop Mail – Fiery Version and Fiery FreeForm technology, EFI offers a unique and unprecedented option with this package. Fiery FreeForm 2 is standard on EFI 's Embedded controllers

KEY FUNCTIONS & FEATURES:

- Ideal entry-level step
- Available on virtually all Fiery's
- It is low risk, as it requires no additional investment
- Simple to use and support
- Minimum skill set required. No learning curve
- Any application can create static data masters

Freeform 2.1 - Increases the capability and flexibility of FreeForm 1.0:

- Adds the capability of using multiple masters within a document.
- And when using multiple master pages, the number of each master page within a sequence can be content driven.

FIERY ADVANTAGE:

- Built in VDP capability with no -risk and no additional investment
- Entry Level utility that ships with every Fiery allows operators to experience VDP without additional costs

CUSTOMER BENEFITS:

- Available on virtually all Fiery's
  - An ideal entry-level step
  - Low-risk as it requires no additional investment
  - Doesn't require any specialized authoring tool
  - No learning curve

FIERY SYSTEM 8E STANDARD FEATURES

VDP record range printing

The user can select a range to be printed within a VDP job.

KEY FUNCTIONS & FEATURES:

- Range can be in the unit of records, pages or sets
  - Supported for both non-imposed and imposed-VDP jobs
  - FreeForm 1 and 2.1
    - Not FreeForm 2
- Selected individual VDP sets printing for imposed VDP jobs are also supported
  - EFI Impose interface

FIERY ADVANTAGE:

- As single approach to workflow, VDP or Non-VDP, reduces overall support and training requirements

CUSTOMER BENEFITS:

- Easier record re-printing e.g. if an error occurs at the print engine and recovery is required, there is no need to return to the source file.

VDP imposition (requires EFI Impose)

KEY FUNCTIONS & FEATURES:

- VDP imposition using EFI Impose for: FreeForm 1 and FreeForm 2.1 (FreeForm 2 is not supported).
  - Option to view full raster data of specific sheet range:
    - For VDP jobs imposed using EFI Impose, the feature will display thumbnail and full size preview of raster data (post-Rip) of the imposition layout.
  - User customizable page range:
    - For the imposed output page range, the user can Preview raster data on screen or Preview and Print at the same time.
  - Custom page size support:
    - VDP jobs will accept custom pages sizes, even if the engine does not support it.
    - For example business cards - when in the source application a single business card is considerably smaller than the smallest page size supported for all output devices.
  - Sheet range:
    - Due to the nature of VDP jobs, the user can specify the ranges in terms of sheets, records or sets. This adds flexibility to customer's existing workflow.

FIERY ADVANTAGE:

- As single approach to workflow, VDP or Non-VDP, reduces overall support and training requirements

CUSTOMER BENEFITS:

- Although similar result can be achieved using Command WorkStation's preview function, the Raster Preview feature has the following advantage over its counterpart.
  - Raster data of the imposition layout can be viewed directly within EFI Impose environment. The users can readily compare/verify the imposition settings against preview of imposition layout output without the needs to save the job and exit/re-open EFI Impose UI repeatedly.
  - CWS preview function requires ripping of the entire job. This can be time consuming since VDP job may contain large number of records, which requires extensive processing time. With user configurable Page Range, only those pages within the user specified range would be processed, thereby cutting down the processing time.
  - Workflow for VDP does not require previewing entire job; VDP lends itself to a workflow where comprehensive planning and set-up occurs before production, this can be readily previewed in sample database runs and template design phase.

FIERY SYSTEM 8E STANDARD FEATURES

VDP Resource Manager

EFI's VDP Resource Manager is a utility for PCs and Macs that allows you to efficiently manage RIPped objects in networked Fiery's. Global objects are installed on the Fiery with compatible VDP client applications including Pageflex Persona-Fiery version, Print Shop Mail-Fiery version.

Note: Will now also run on Mac OS X
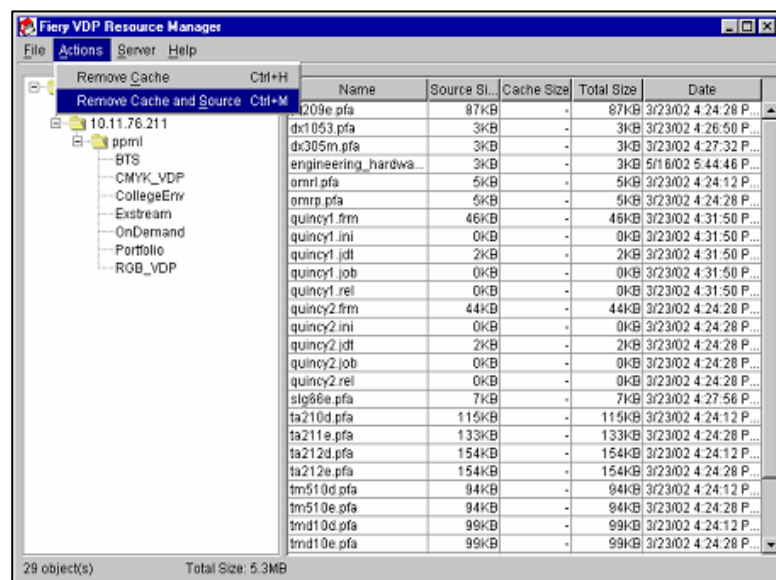
KEY FUNCTIONS & FEATURES:

- Easy to navigate, intuitive user interface
- View VDP on the Fiery Server
- View name, size, creation date of object, and its origination environment

FIERY ADVANTAGE:

- Connect to multiple Fiery's
- Optimized RIPping at all times with efficient cache and resource management

CUSTOMER BENEFITS:

- A single view of all VDP resources on all of the Fiery's, reduces mis-managed files and bottlenecks
- Customers can view a list of global objects (reusable objects/images between different print jobs) and FreeForm masters located at connected Fiery servers, and can see how each environment is taking up space on the server, archiving or deleting dated or redundant files.
- Reduced chance of operator errors, leading to increased throughput and higher quality work
- Mac users will be much more integrated with the Fiery workflow.
  - EFI is committed to deliver as much functionality to the Mac user as possible.

FIERY SYSTEM 8E STANDARD FEATURES

JOB MANAGEMENT

Fiery is designed for ease-of-use and provides job management and job spooling functions that keeps track of job print information for all jobs sent to the Fiery over the network. The Fiery accepts jobs via the following standard published network queues:

- Direct connection — Jobs sent to the Direct connection bypass the Fiery's spooling features and are processed immediately upon receipt by the Fiery. Jobs sent to the Direct connection do not appear in the Printed queue.
- Print queue — Jobs sent to the Print queue are spooled to the Fiery hard drive and dequeued to the processor in the order received.
- Hold queue — Jobs sent to the Hold queue are spooled to the Fiery hard drive and only dequeued to the processor when reassigned to the Print queue from a remote utility.

The Fiery can queue multiple ripped jobs for printing (for print/hold/direct queues) and manages print jobs within the following internal queues:

- Spool — Jobs in the Spool section are in a pre-raster format and either in a "Hold" state on the Fiery disk and waiting for user action or in a "Waiting" state and will begin processing as soon as the processor is available.
- RIP — Jobs in the RIP section are in a raster format and either in a "Hold" state on the Fiery hard drive and waiting for user action or in a "Waiting" state in the Fiery memory and will begin printing as soon as the print engine is available.
- Printed — The most recently printed jobs from the print engine are kept in the Printed section for reprinting purposes. Jobs in the Printed section have printed on the print engine and are in their pre-rasterized format.

RIP-While-Print:

Waiting for complex files to finish printing or processing prior to RIPing the next job can create bottlenecks and slow down document production. With RIP-While-Print, the Fiery will be working simultaneously on two jobs for the RIPing and printing processes, meaning that the Fiery can start to **RIP** a new file; **WHILE** the previous file is **PRINT**ing.

This can be explained in two scenarios:

- 1. When printing a job from a "RIPed & Held" queue, another job can be RIPed
- 2. When printing a job that is multi-copy/collate, after the RIP finishes with current job it can start to RIP the next job

This new RIP-While-Print feature is a significant advance in productivity over the conventional version found in earlier Fiery products and competitive solutions. Previous versions only worked within a single job that contained multiple pages, printing page 1 while RIPing subsequent pages within the same job, but not across multiple jobs.

Scan-RIP-Print Simultaneously:

Like RIP-While-Print, the Fiery can also Scan-RIP and Print Simultaneously. This enables optimum productivity while utilizing the power of Fiery Scanning, Processing and Printing.
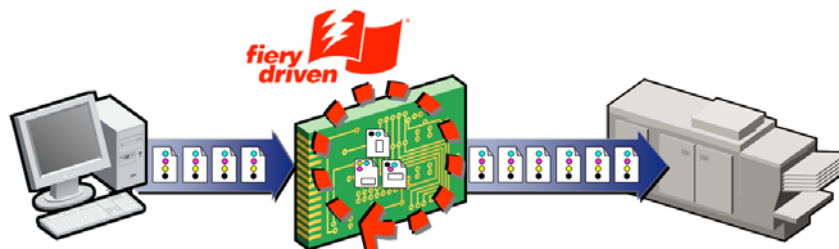
FIERY SYSTEM 8E STANDARD FEATURES

KEY FUNCTIONS & FEATURES:

- Start to RIP a new file while the previous file is printing
- Simultaneously work on two jobs for the ripping & printing or the ripping & scanning processes

FIERY ADVANTAGE:

- Unique Fiery feature; not available in competitive products
  - This feature is better than Gallop from Creo since Gallop enables RIP and Print within a single job that contains multiple pages.
  - (Gallop: enabled to start printing a job while it is still being processed. This means that very long jobs can be printed in one streamlined process. The system automatically deletes printed pages, clearing disk space for the next pages)
- Industry leading throughput

CUSTOMER BENEFITS:

- Increased productivity by having Fiery more available for processing jobs
- Reduced bottlenecks at the RIPing stage
- Faster output to the printer device
- Maximization of assets
- Users can make the most of the Fiery and accelerate the file processing for faster output

User Authentication

With an increased focused on security and asset management, adapting to authentication protocol functionality provided in corporate, enterprise and commercial network environments is now a prerequisite for any technology that is shared by multiple users over the company intranet, extranet or through the internet. It is no longer acceptable to only provide password protection. Instead, technologies need to leverage the existing network user management infrastructure allowing network administrators the capability to manage one instance of User Authentication settings for all applications on the network. This way, when an administrator changes a user's password, access rights or updates their profile, it is reflected automatically, in all network application authentication schemes.

Provided as an additional security feature, EFI's User Authentication enables the Fiery administrator to define a set of users or groups and assign the appropriate authorization to allow users to access certain functions on the Fiery. Each user or group can be assigned with certain default privileges which can be modified as necessary.

KEY FUNCTIONS & FEATURES:

The Fiery user authentication feature allows the Fiery to:

- Authenticate user names
- Authorize actions based on the user's privileges

The Fiery can authenticate users who are:

- Domain-based: users defined on a corporate server and accessed via LDAP
- Fiery-based: users defined on the Fiery

User Authentication is featured wherever a user may gain access to the Fiery. The Fiery authenticates user names in the following manner:

WebTools\Docs

- The user can login to the Docs functionality in WebTools as long as their user name/password meets one of the following conditions:

FIERY SYSTEM 8E STANDARD FEATURES

- A local Fiery user part of the Fiery's contact list (whether or not it is currently part of a Fiery group)
- A domain user name is included in a current Fiery group
- Domain user is part of an LDAP group included in a current Fiery group.

Once the user name/password is authenticated, the Fiery allows the user access to functionality corresponding with the user's privileges, as defined in the Fiery groups.

Fiery Print Driver

- The Fiery Driver for Windows (both PS and PCL versions) includes user name information with the print job. The EFI Driver (Windows) supports the concept of both domain/LDAP user and the local user, even if the "Use Network Login" is not selected. This is through the following methods:
  - If the username string entered is 'ArthurM' - the Fiery will assume this is a local user. The Fiery will by default, check the local contacts list.
  - If the username string entered is 'domain\username' (such as 'cisco\arthurm') –the Fiery will assume this is a domain or LDAP user. The Fiery will by default, validate the user against the LDAP server.

Fiery Local Login at the Command WorkStation (PC and Mac)

- The user can log into Command WorkStation (CWS) only as an administrator, operator, or guest. Different privileges can be assigned to each of the users within CWS based on login.

EFI Hot Folders

- Jobs submitted through Hot Folders ignore any user authentication setting on the Fiery and print as the authorized user "Hot Folder"
  - Hot Folder user privileges cannot be modified on the Fiery.
  - The Fiery administrator has the option to disable Hot Folder functionality in Configure.

FTP

- The FTP login only supports local Fiery users and does not support domain logins.

Email

- The Fiery's email service decides whether or not to allow an incoming email to print depending on whether the sender's email address of the incoming email is in the Fiery's print email address book.
- Email messages sent to the Fiery will not print if user authentication is enabled because the email message cannot include authenticated authorized user information.

FIERY ADVANTAGE:

- By adhering to network authentication protocols, the Fiery is positioned as a true network technology that is readily accepted by even the most demanding MIS/IT organizations

CUSTOMER BENEFITS

- Ensures a more secure workflow by enforcing authentication
- Easier administration and increased security by creating a common and centralized list of users and privileges and adhering to network authentication protocols.
- Wider security offered by this standard feature for password protected mailboxes
- Tighter budget control over user access (eg., color vs. B&W) for billing and user-based cost allocation

FIERY SYSTEM 8E STANDARD FEATURES

Secure Printing (from Copier LCD Panel*):

Protecting documents from "prying" eyes is critical in certain environments and is especially important where several users share a common output device. Empowered with the Fiery Secure Printing function, users can send their jobs to print knowing that the job won't be released until they enter their password.

KEY FUNCTIONS & FEATURES:

From the Copier LCD Panel, the user enters the Secure Print window and enters a password, the user then sees a list of jobs that share the same password. The secure print function requires the user to enter a job-specific password at the Fiery to allow the job to print, and requires an copier LCD interface local to the Fiery. The feature is enabled when the user enters a password in the "Secure Print" field driver. No enabling/disabling is done in any of the server setup options.

- The user enters a password in the Secure Print field in the Fiery Driver.
- When this job is sent to the Fiery's Print or Hold queue, the job is queued normally and held for the password.
- Specifying the number of copies to print is not supported.
- The user can choose to Print & Hold or Print & Delete each job which causes the job to print immediately.
  - Print & Hold prints the job and retains a copy of the secure print job in a held state waiting for the user to enter a password.
  - Print & Delete prints the job normally.

FIERY ADVANTAGE:

- Secure Printing offers a common user interface across multiple engines equipped with Fiery's and helps to reduce training and support requirements

CUSTOMER BENEFITS

- Users can trust on submitting confidential documents to the Fiery and rely on the fact that their documents will not be seen by others using the same output device

*OEM Specific - Requires access to Copier LCD Panel

Mixed Media Support (w/VDP support):

In order to completely automate document production, it is essential to manage and implement all of the media functionality offered in the current and future generations of digital output devices, streamlining the process of mixing specific media within a single collated document.

The enhancements implemented in Fiery's Mixed Media utility offer a more robust architecture, a single consistent workflow for all jobs, and a comprehensive integration with other features like VDP and EFI Impose.

To open the Mixed Media window, users select the Mixed Media button directly from the Job Properties UI (driver based) or from a menu option in Command WorkStation and specify certain sections or chapters to have different finishing options.

KEY FUNCTIONS & FEATURES:

Chapter Starts & Subset Finishing

- Define chapter starts by entering page numbers in the Chapter start field
- Guarantees chapters start printing on right hand pages

FIERY SYSTEM 8E STANDARD FEATURES

Define Cover

- Quickly define the front and/or back cover of the document without knowing the total page count of the document
- Specify whether to apply the same settings to both the front and back cover, or to the covers separately

Define Page Range

- Delineate a page range by entering a page number or range and apply settings like: Paper Source, Media Type, and Duplex depending on engine capabilities
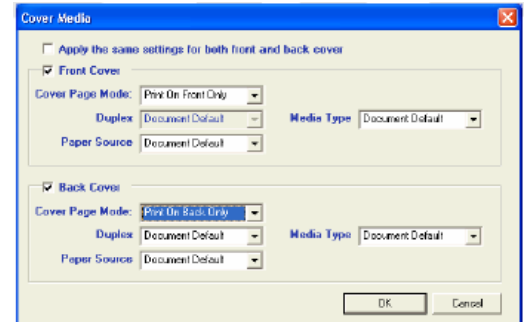
Tab Shift

- Found in the Mixed Media settings, Fiery's Tab Shift utility allows print devices that support tab printing will now have an alternative way to print documents with tabs using the Insert Tab feature.
- Most applications only allow a single page size within a document (Word and Acrobat are exceptions), so the Fiery provides the ability to shift certain pages one-half inch horizontally and makes it possible to print the predefined tab text on the tab ear.
- The user must place and orient the text precisely on the page, predict the ear position and specify the page number that should be shifted

Insert Blank

- Insert a blank page before or after a specified page

Mixed Media Summary

- Users can see a summary of all the settings at the EFI Driver screen

FIERY ADVANTAGE:

- Consistent workflow for Traditional and Variable Data Printing (VDP) jobs
  - Fiery's VDP workflow reinforces operator-friendly implementation, regardless of which VDP language is used
- Linear workflows used for most operations require operator-supplied settings or data
  - Fewer keystrokes, decreased job set-up times, and reduced operator errors

CUSTOMER BENEFITS:

- Robust Mixed Media tools are easier to use and better integrated with the entire Fiery workflow reducing bottlenecks and operator errors
- Users can take advantage of the fully automated process of digitally printing finished documents with minimal operator intervention
- Being able to assign media attributes to VDP and standard jobs is a logical intuitive approach to the workflow, the user only needs to know a single workflow and it applies to all jobs. This minimizes unnecessary complexity in VDP that is widely regarded to be complex workflow.
- The user can apply media types such as covers and apply finishing to the VDP records; this increases the automation of the output process and reduces the number of manual off-line steps in production.

FIERY SYSTEM 8E STANDARD FEATURES

Booklet Maker

With the introduction of feature rich digital output devices, there is an increased demand for basic booklet making capabilities at the user level to allow simple document binding, imposition and insert capability.

Providing fundamental booklet making functions, Fiery's Booklet Maker allows users to print multiple pages of a print job, from any application, in a booklet style without the need for more advanced imposition programs.

(For more sophisticated imposition/booklet functions see EFI Impose, Fiery Edition option)

Note: Booklet Maker will no longer be limited to MS Office documents; it will impose documents from any application

KEY FUNCTIONS & FEATURES:

- Supports PS and PDF
  - All file formats/applications
- PPD options from Driver
  - Command WorkStation
    - Windows & Macintosh editions
  - Hot Folders and Print Center Plug-ins
- Automatic duplexing of print jobs
- Automatic 2-up page imposition
- Binding Support
  - Perfect - Right Binding
  - Standard - Right Binding (Kanji)
- "Front Cover" page insert
  - Front/back cover in a booklet job
  - Front/back cover printing ppd options
    - Under Paper Source
- Also available in other EFI client applications:
  - Print Center Plug-ins (available as a standard PPD option)
  - Hot Folders
  - EFI Command WorkStation, Windows, & Macintosh Edition
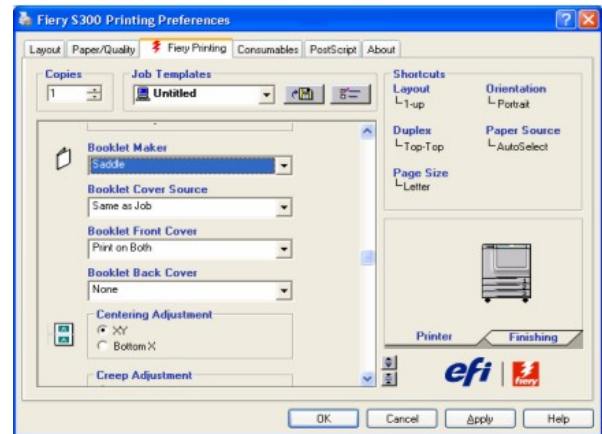
FIERY ADVANTAGE:

- Booklet Maker is a beginning level application to meet specific needs
  - Upgrade path to Fiery Impose Option
- Intuitive driver based functionality reduces training requirements

CUSTOMER BENEFITS:

- Sophisticated results with simple operation
- Optimize output device capability
- Reduce costs by creating booklets internally
  - Eliminate need to outsource

FIERY SYSTEM 8E STANDARD FEATURES

COLOR & IMAGING

Calibration Enhancements

**Apply Calibration to all sets**

Calibration is a critical task when color accuracy and stability is important to a user and to make certain the highest quality color is achieved, it is important to update calibration with new measurements regularly.

Ideally, different calibration data is needed for different environmental conditions, like different types of papers and combinations of halftone screen. Each unique combination of calibration variables is called "calibration set".

The new Fiery System 8e software ships with an updated calibration module that gives the option to apply calibration measurements to all calibration sets, in one step.

Specify Number of Calibration Pages

ColorCal gives the option to specify the number of calibration pages to print as a measuring target. This enhancement addresses the need of some printers to warm up before reaching the stability and color consistency in a long print run. This way, the user will take the last printed page as the measuring target, which provides better information as input to the calibration process in the Fiery.
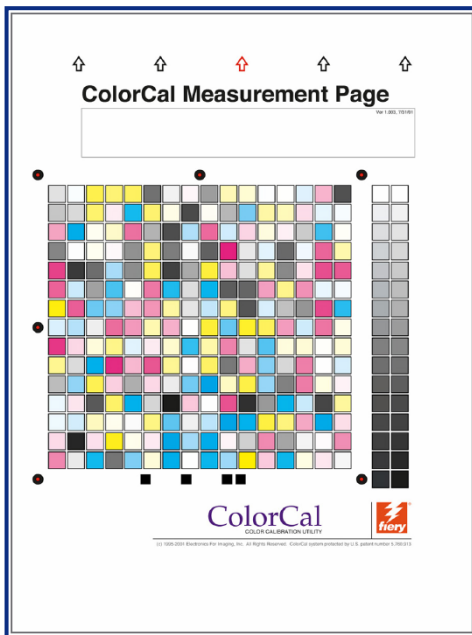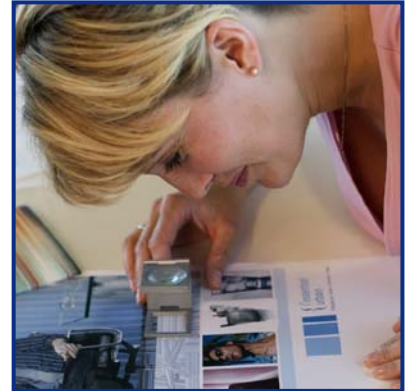
KEY FUNCTIONS & FEATURES:

Fiery controllers running Fiery System 8e remember the last measurements in a "calibration set" and to reach accurate calibrated output, every time a print is made; it is automatically corrected using the appropriate calibration set.

When users are done measuring patches, they have the following three alternatives:

1. Click the "Apply" button to have their measurements saved to the server

2. Click the "Apply to all Calibration Sets" button to have the calibration measurements copied to all calibrations sets on the server

3. Individually select which calibration sets to have measurements copied to.

Alternatives #2 and #3 are especially convenient for users who want the benefits of calibration for every media, but do not want to invest the time required to perform optimal calibration for every individual media.

FIERY ADVANTAGE:

- Multiple calibration options makes Fiery a viable solution for most color printing applications

CUSTOMER BENEFITS:

- Reduces time in the calibration process
- Makes it easy to keep uniformity through all media types available in the system while maintaining optimal quality for specific ones
- Improved quality in calibration ensures increased precision when fingerprinting the printer device

FIERY SYSTEM 8E STANDARD FEATURES

COLOR & IMAGING

Composite Overprint of CMYK & Spot Colors

This feature will improve the quality of InDesign, Quark and PDF workflows. Document designers frequently use spot colors transparencies in layout design software like InDesign. Those transparencies would be overlapped over graphic objects and will require overprint commands to be represented in a printed output.

In a page layout or drawing application, when an object of one color is placed on top of an object of another color, it can either be painted directly on top (overprinting), or a "knock-out" can be created in the underlying object (erasing that section of the underlying object).
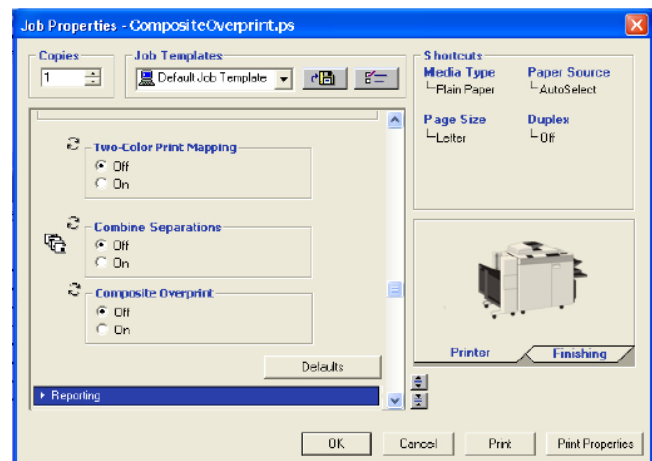
KEY FUNCTIONS & FEATURES:

- The Fiery can recognize those elements from a composite file submitted directly from the native application (e.g.: InDesign) and properly render the spot colors in them.
- In a PDF workflow, Fiery automatically recognizes the transparencies and overprints in order to print it in a color corrected and properly color rendered output.
- Fiery supports Composite Overprint from applications that output PS/PDF overprints according to both Adobe and Quark standards. Files generated by the current versions of the applications listed below are supported.
  - Adobe Acrobat
  - Adobe Illustrator
  - Adobe InDesign
  - QuarkXPress
  - Corel Draw
  - Free Hand

FIERY ADVANTAGE:

- Known for powerful color capabilities, the Fiery provides more powerful color (CMYK & RGB) functionality than any other comparably priced solution

CUSTOMER BENEFITS:

- Document designers will speed up the printing process by sending jobs as composite from InDesign, rather than separations.
- Increased productivity. Accelerates processing and spool times by sending a single composite file instead of four separated files over the network.
- For PDF workflows, customers will improve the quality of the output. For native applications (e.g.: Quark), customers will improve the throughput by sending jobs as composite rather than separations
- Ensures a more accurate print of what the document creator specified

FIERY SYSTEM 8E STANDARD FEATURES

Support for Rich Black

From the printer, visually darker blacks can be achieved by layering small amounts of cyan toner underneath the black.

KEY FUNCTIONS & FEATURES:

- The EFI Rich Black feature, applicable to both text and graphics, provides the option of giving the appearance of a fuller, richer black by laying 50% cyan toner under 100% black toner.

FIERY ADVANTAGE:

- Fiery provides multiple options that empowers users to adjust output to meet specific needs positioning Fiery as a great solution in any color printing environment.

CUSTOMER BENEFITS:

- Can help avoid trapping issues when printing small areas of black, especially black text on a colored background.
- Improved image quality in black elements

Text & Graphics Enhancement *(project specific)*

Text & Graphics Enhancement applies processing enhancement to text and graphics - thereby sharpening the edges of text and graphic images.

KEY FUNCTIONS & FEATURES:

- Text & Graphics Enhancement is detected only when a 100% color is going into the image
- Pure Cyan, Yellow or Magenta elements are not a part of a typical output and since it is very difficult to get 100% of toner in the output colors
- This feature is only useful in black elements.
  - Users can perceive all of the benefits mostly when printing black text and black images.
- The result of Text & Graphics Enhancement will be a sharper and smoother text and line-art with minimized "jaggies", at a resolution of 2400 dpi.

FIERY ADVANTAGE:

- With features like Text & Graphics Enhancement, the Fiery leverages all of the functionality of specific engines with higher resolution capability.
- Highest quality text & graphics output opens Fiery placement to new markets

CUSTOMER BENEFITS:

- Get the combination of extremely high quality text along with really great looking full color images in the same page
- Increased output quality. Better definition of black text and graphics
- Combine the best text and image quality together in one page and obtain one excellent output

FIERY SYSTEM 8E STANDARD FEATURES

Print Gray as Black

When a job contains only grayscale text and graphics, users do not want the job to be charged as a color click. As an enhancement to the Color Wise Pro Tools, the Print Gray as Black feature allows the user to specify that any gray component of a job, either the text and graphics or the text, graphics and images, be printed using only the black toner.

KEY FUNCTIONS & FEATURES:

- Minimize job set up times by eliminating the need of separating color and B&W pages before submitting the job

FIERY ADVANTAGE:

- With Print Gray as Black, color documents mixing color and B&W pages automatically print B&W pages using Black toner only, representing automated cost savings in monthly clicks making color printing devices more affordable.

CUSTOMER BENEFITS:

- Instant and automatic cost savings reducing changes in the monthly clicks by ensuring that no more than 1-click is used to generate grayscale output.
- Increased productivity by automating the job submission of multiple page documents that combine color and B&W pages
- Cost saving by only using Black toner and a single color click-charge
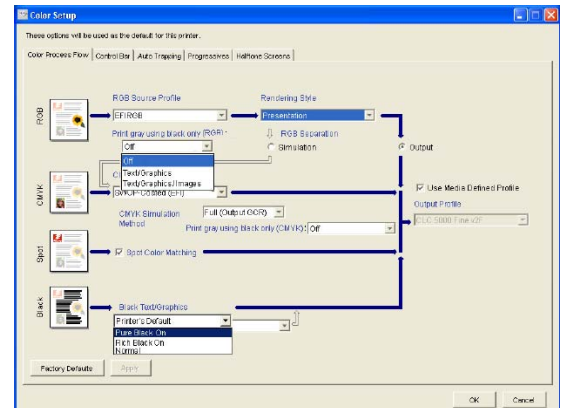
Device link profile support

In certain instances it is important to override default color setting in lieu of a specific device's capabilities.

A Device Link is a unidirectional transformation from one color space to another, allowing users to create specific color environments without being forced to use EFI color management.

EFI's Device Link Profile feature gives advanced users full control over their color conversions between a color space and the Fiery-driven printer and allows the user to dictate the exact color transformation and subsequent output quality they'd like to generate, bypassing the Fiery's own color management techniques.
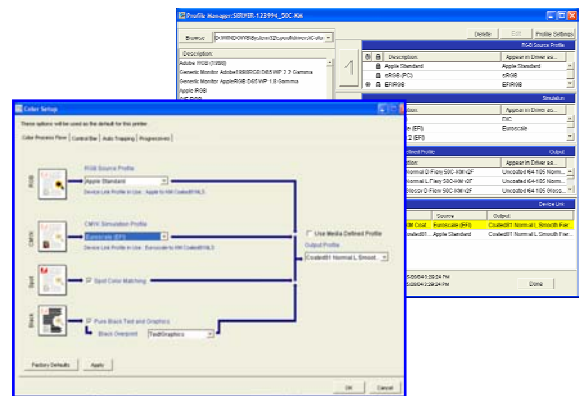
KEY FUNCTIONS & FEATURES:

- Provides advanced users with the tools and knowledge to build their own color transformations and save them in the DeviceLink specific class of ICC profiles

FIERY ADVANTAGE:

- Enables EFI's partners and other advanced users with the tools and knowledge to build their own color transformations and save them in the Device Link class of ICC profiles

CUSTOMER BENEFITS:

- Gain Complete Control over Color Management Space
- Toolset for users who have predetermined color output needs and do not want Fiery color management to modify it in any way

FIERY SYSTEM 8E STANDARD FEATURES

NETWORK & SECURITY ADMINISTRATION

Web JetAdmin Capable

Fiery provides HP Web JetAdmin compatibility for standard connectivity over Ethernet networks. Web JetAdmin is a Web-based tool for remotely installing, configuring, and managing a wide variety of HP and non-HP network peripherals.

NOTE: This feature is a project specific feature.
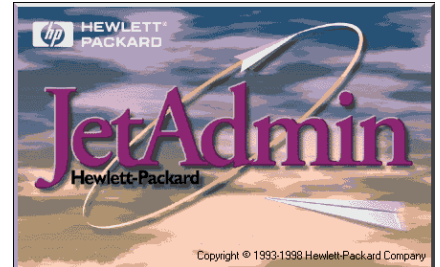
KEY FUNCTIONS & FEATURES:

- Simplified administration of all Fiery driven printers in the network.

FIERY ADVANTAGE:

- Compatibility with core MIS/IT technologies eliminates integration barriers and places Fiery at the heart of color printing in the office

CUSTOMER BENEFITS:

- By leveraging the industry standard HP Web JetAdmin network printer utility, the Fiery is easily managed in corporate networks leading to reduced costs and increased efficiencies

FTP Print Utility

Operations that traditionally send print jobs to in-plant and/or commercial print shops are accustomed to using the internet based File Transfer Protocol (FTP) as a means to quickly send completed jobs in output file format; PS, PDF and TIFF, to the print facility without having to send it from the application or require their print supplier to have the exact same application version and subsequent support files.

With Fiery the FTP Print utility, users/customers can prepare documents in PS, PDF or TIFF file formats separately, and then submit their jobs via FTP to the Fiery Hold queue on the Fiery Server until print supplier is ready to submit it for printing.

### KEY FUNCTIONS & FEATURES:

- Allows FTP printing to Fiery hold or print queue
- Controlled by group user/password or open
- Print without opening application
- All file formats supported by the Fiery can be printed using FTP

FIERY ADVANTAGE:

- Entry level electronic submission workflow for a Print Shop or Commercial Printer
- Allows for customized automated workflow
- Eliminates the need for supplier to have the same applications as customers

CUSTOMER BENEFITS:

- Eliminating the need to have an application open to print increases productivity by allowing user to continue to work instead of waiting for a job to print
- Easy and productive way to print from remote locations decreases the need to replicate expensive assets
- Reduced network overhead by allowing jobs to be sent in "non-peak" hours
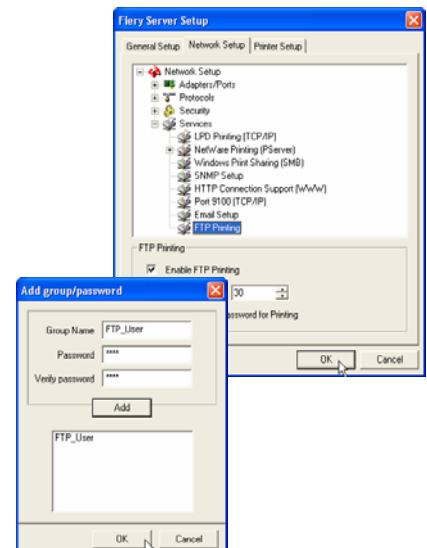
FIERY SYSTEM 8E STANDARD FEATURES

Simple Network Time Protocol – SNTP:

SNTP allows the Fiery to connect to a remote date/time server to retrieve accurate standard time. When the user specifies the local time zone, the Fiery will translate this to the correct local time.

KEY FUNCTIONS & FEATURES:

- Automated process ensures accurate time settings across multiple time zones

FIERY ADVANTAGE:

- Eliminates manual settings, verification and resets reducing field service calls

CUSTOMER BENEFITS:

- Provides standardized time whether the Fiery's workflow is limited to a single location or if it spans multiple time zones.

Simple Network Management Protocol v3 - SNMP

SNMPv3 allows the Fiery administrator to select from three levels of security. The Fiery administrator also has the option to require authentication before allowing SNMP transactions and to encrypt SNMP usernames & passwords:

- SNMP v3 Security
- Common Printer MIB
- SNMP Configurable Community Name
- SNMP On/Off Switch

KEY FUNCTIONS & FEATURES:

- Authenticate before allowing SNMP transactions
- Encrypt SNMP usernames & passwords

FIERY ADVANTAGE:

- Meets stringent IT/MIS requirements
- Eliminates errors due to unauthorized operation

CUSTOMER BENEFITS:

- Provides the level of security required for government and large corporations
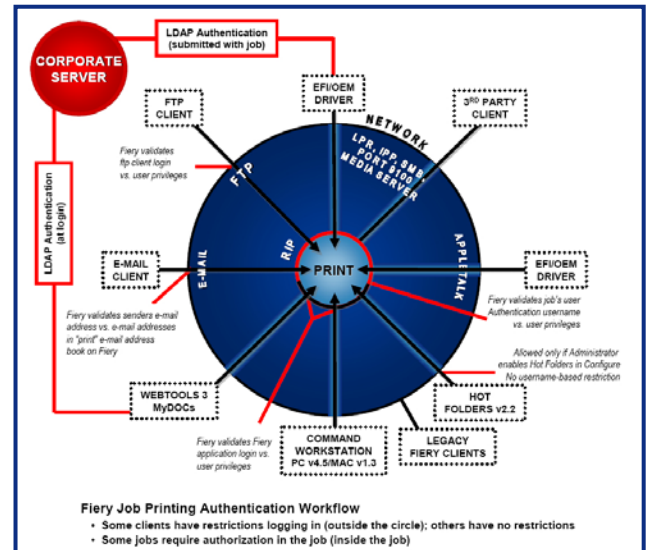- Prevents unauthorized users accessing the Fiery
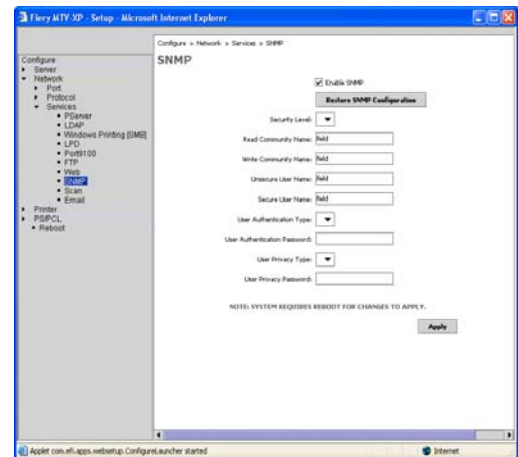
FIERY SYSTEM 8E STANDARD FEATURES

NETWORK & SECURITY ADMINISTRATION

Security

For Corporate and Government IT organizations, on-going document security is one of the greatest challenges they face, taxing IT and document production personnel alike. These organizations are confronted with more complicated range of security risks than ever before, as well as growing government regulatory compliance and confidentiality demands. Although most of these organizations have employed some degree of security over their electronic document processes; very little attention has been paid to the document printing process and its vulnerability.

Fiery servers are developed to assist these organizations with tools to help protect electronic access to documents on the servers through a compliment of sophisticated security functions and options including; IP and Port blocking, LDAP, SSL and Certificate driven authentication.

Fiery Job Printing Authentication Workflow
- Some clients have restrictions logging in (outside the circle); others have no restrictions
- Some jobs require authorization in the job (inside the job)

IP Filtering

There are several network environments where IT Administrators may need to restrict the access to the Fiery for various reasons:

- To control print costs
- To segregate budget centers expenses
- To limit the printing activity to authorized users

This feature is most applicable to static IP environment where the System Administrator can specify IP addresses/ranges reliably.

KEY FUNCTIONS & FEATURES:

- Specify whether to accept or deny connections from a specific IP address or a range of IP addresses
  - Blocking client computers from using a Fiery

FIERY ADVANTAGE:

- Satisfies growing IT demand for secure print
- Positions Fiery as cost reduction tool
  - Inkjet/Desktop replacement

CUSTOMER BENEFITS:

- Increase ways to control the access to the printing device to users in network environment
- Control print cost & segregate budget centers expenses
- Restrict the use of the Fiery to network users
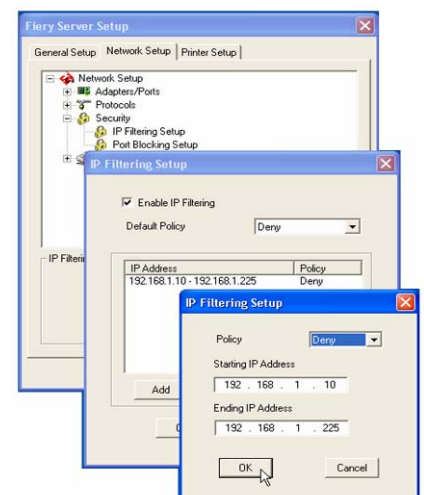
FIERY SYSTEM 8E STANDARD FEATURES

Port Blocking

With today's proliferation of computer "hacking", viruses and illegal data harvesting, Government and Corporate IT organizations sometimes require the ability to limit network access to unauthorized users.

By default all ports required by Fiery services are enabled. Systems administrators can deselect any number of ports from setup. Any ports deselected are disabled by the Fiery, which also disables the dependent Fiery service.

Table 1 FIERY DEPENDENT SERVICES ASSOCIATED WITH EACH PORT

| TCP	UDP	PORT NAME	DEPENDENT SERVICE(S)
80		HTTP	WebTools, IPP
137-139		NETBIOS	Windows Printing
	161-2	SNMP	WebTools, Velocity, some legacy utilities, other SNMP-based tools
515		LPD	LPR printing, WebTools, some legacy utilities
631		IPP	IPP
8021-8022		Harmony	CWS4, EFI SDK-based tools, EFI Driver bi-di functions
9100-9103		Printing Port	Port 9100 (with bidi support)

KEY FUNCTIONS & FEATURES:

- Block series of ports
- Minimize security threats

FIERY ADVANTAGE:

- Highly configurable functionality
  - Allows for corporate IT compliance

CUSTOMER BENEFITS:

- Increase security by restricting the access to the Fiery through the different functions of remote management
- Administrators design the level of user access to the Fiery
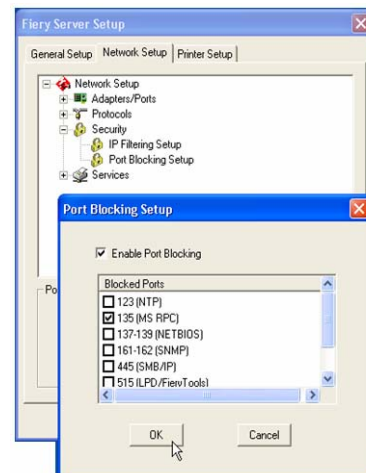
FIERY SYSTEM 8E STANDARD FEATURES

NETWORK & SECURITY ADMINISTRATION

IP Sec Support

IP Sec or IP Security Protocol provides security to IP protocols through encryption and authentication mechanisms. IP sec in the Fiery allows the Fiery to accept incoming data that supports IP Sec using a specific authentication method:

KEY FUNCTIONS & FEATURES:

- The pre-shared authentication keys are used strictly for establishing trust – not for application data packet protection.
- The interface for setting up IP Sec in the Fiery is in the "Configure" section of WebTools.

TABLE: IP Sec Options 1

Option	Sub-Options	Setting	Description
Enable IP Sec		Checkbox	Selecting this checkbox causes the other sub-options to become enabled / active. This is disabled/deselected by default
	Allow unsecured communication		When selected, communication with clients (where IP sec was not enabled) would be allowed by the Fiery. When deselected, communication with clients (where IP sec was not enabled) will be blocked / not allowed by the Fiery
	Authentication Methods	Preshared Key	This allows the admin to enter the preshared key. All incoming data that uses IP sec must contain the same preshared key for validation. The preshared key must be alphanumeric -up to a maximum length of 128 characters
Apply			This will apply any and save any changes made
Cancel			This will cancel any changes made

FIERY ADVANTAGE:

- Adhering to industry standard certification policies, positions Fiery as a true "open" architecture solution and is readily accepted by even the most critical MIS/IT organizations

CUSTOMER BENEFITS:

- IP Sec streamlines authentication by adhering to corporate network policies
- The Fiery is the controller of choice to integrate into secure networks environments with security standards like IP Sec

FIERY SYSTEM 8E STANDARD FEATURES

LDAP support

The Fiery communicates with corporate servers using the Lightweight Directory Access Protocol (LDAP) v3, which is based on RFC2251. Through the use of LDAPv3, the Fiery supports the following features:

- Email addresses access
- Email address authentication
- User password validation

KEY FUNCTIONS & FEATURES:

Fiery System 8e servers support LDAP with the mechanism to query/retrieve information through the LDAP server. The information comes from external email servers like Outlook Exchange servers or Lotus Notes servers and currently includes email addresses that are used for sending scan jobs.

The Fiery uses LDAP to browse corporate server address books for retrieval or authentication purposes as described in the table below:

TABLE: Fiery LDAP authentication methods 1

Authentication Method	Description	Corporate Server Support		
		Domino	Novell	Exchange
Anonymous	No password is required to connect via LDAP	Yes	Yes	Yes
SIMPLE	The password required to connect via LDAP is not encrypted when sent across the network	Yes	Yes	Yes
GSSAPI	The password is encrypted when sent across the network	No	No	Yes

- **Error Handling -** If the Fiery cannot access the necessary information on the LDAP server, it will fail with the following conditions:
  - LDAP server not available.
  - Information on LDAP server not available.
  - Invalid user password.
- **Email Addresses Access -** The Fiery requires email addresses to specify destinations for scan to email and scan to internet fax messages. The Fiery can access email addresses stored in an address book local to the Fiery and/or via LDAP on the corporate server. The Fiery can retrieve single or multiple email addresses for this functionality.
- **Address Book -** The following are characteristics of the address book stored locally on the Fiery:
  - Administrators can create an address book locally on the fiery. This address book is global to all users having access to the fiery.
  - A separate administration program is required for to manipulate local address book.
  - Addition, deletion and modifications to addresses are only allowed when the addresses are part of the local address book resident on the Fiery.

  NOTE:
  - The Fiery does not use LDAP to make any changes to corporate servers.
  - Accessing the email server may/may not require authentication.
  - The corporate mail server must support LDAP v3.

FIERY ADVANTAGE:

- Simplified setup using network administration LDAP standards allows Fiery to become an integral component in a productive workgroup and throughout the enterprise

CUSTOMER BENEFITS:

- Users have the ability to download their E-mail addresses to populate the scan address book, saving time and making it easy to maintain the user's distribution list.
- Scanned documents can be routed to LDAP validated addresses.

FIERY SYSTEM 8E STANDARD FEATURES

LDAP over SSL and TLS

SSL is a protocol for transmitting private documents via the Internet. SSL works by using a private key to encrypt data that's transferred over the SSL connection. Most of today's browsers support SSL. The Fiery supports SSL v2/v3.

KEY FUNCTIONS & FEATURES:

In the Fiery, SSL creates a secure connection for transmitting data between the client and the server. Transport Layer Security (TLS) is a protocol that ensures privacy between communicating applications and their users on the Internet. The TLS Handshake Protocol allows the server and client to authenticate each other and to negotiate an encryption algorithm and cryptographic keys before data is exchanged.

- The Lightweight Directory Access Protocol (LDAP) is used to read from and write to Active Directory.
- By default, LDAP traffic is transmitted unsecured:
  - For LDAP communication over SSL or TLS, the client would have to have a certificate - verified by Verisign.
- Installing a valid certificate on a domain controller permits the LDAP service to listen for, and automatically accept connections for both LDAP and global catalog traffic.
  - Resulting in communication that is confidential and secure.
- The interface for setting up SSL/TLS for LDAP in the Fiery is in the "Configure" section of WebTools.

FIERY ADVANTAGE:

- Adhering to industry standard certification policies, positions Fiery as a true "open" architecture solution and is readily accepted by even the most critical MIS/IT organizations

CUSTOMER BENEFITS:

- TLS Protocol allows the server and client to perform mutual authentication and negotiate an encryption algorithm and cryptographic keys before data is exchanged protecting un-authorized access to critical documents and technology

Certificate Management

Certificates are the way network clients authenticate themselves in network activities that perform identity verifications. The certification method is supported by SSL/TLS (Secure Socket Layer/Transport Layer Security) that implements authentication through the exchange of certificates based on public/private keys according to the X509 standard.

KEY FUNCTIONS & FEATURES:

In the Fiery, certificate management allows the Fiery admin to do the following:

- Add/Load/Browse for available digital certificates (created by a trusted authority) - and private keys.
  - View details for available digital certificates.
- Assign or associate an available digital certificate for a particular service such as:
  - Web Services.
- Add trusted certificates (created by a trusted authority).
- The interface for setting up SSL in the Fiery is in the "Configure" section of WebTools.

FIERY ADVANTAGE:

- Adhering to industry standard certification policies, positions Fiery as a true "open" architecture solution and is readily accepted by even the most critical MIS/IT organizations

CUSTOMER BENEFITS:

- Adhering to network security protocols ensures Fiery adoption into secure network environments:
  - Simplifies network administration.

FIERY SYSTEM 8E STANDARD FEATURES

NETWORK & SECURITY ADMINISTRATION

IPv6 Support

IPv6 is short for "Internet Protocol Version 6". IPv6 is the "next generation" protocol designed by the IETF to replace the current version Internet Protocol, IP Version 4 ("IPv4").

IPv6 fixes a number of problems in IPv4, such as the limited number of available IPv4 addresses. It also adds many improvements to IPv4 in areas such as routing and network auto configuration. IPv6 is expected to gradually replace IPv4, with the two coexisting for a number of years during a transition period.

KEY FUNCTIONS & FEATURES:

The Fiery support the phase-in transition for IPv6. In the Fiery's IPv6 phase 1 the following features are supported:

- SMB
- LPR
- Port9100
- Enable/disable via LCD (default is enabled)
- Enable/disable via WebTools v3.0 Configuration (default is enabled)
- Approved for IPv6 Ready Phase I Logo

IPv6 Auto Address Allocation:

- The Fiery will receive the IP prefix announced by the router and then it will negotiate with its neighbors to get its own specific IP address.

Workflow on a Windows based Client:

- On a Windows based client, the user must use either SMB to install the driver or manually install the driver, create a port, and manually connect the port to that driver.

Default Behavior:

- The Fiery will ship IPv6 on by default.

Changes to Config Page:

- The printed Config page will have a new entry with the IPv6 addresses
  - For example: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX
  - (Where each X represents a hexadecimal digit).

Backwards Compatibility

- IPv4 will still work in parallel with IPv6 thus in network environments that do not have.

NOTE: The following are the limitations for the Fiery's IP v6 phase 1 support:

- No DDNS support.
- No DHCP6 support.
- For remote clients over IPv6, no BiDi support of any kind, including no BiDi in driver and no job monitor.
- For remote clients over IPv6, no Harmony support of any kind, including no CWS.

FIERY ADVANTAGE:

- Fiery can be installed into IPV6 environments – this is a requirement for Government sites in readiness for IPV6 networks.

CUSTOMER BENEFITS:

- Adoption of the IPv6 Internet Printing Protocol ensures network printing compatibility.

FIERY SYSTEM 8E STANDARD FEATURES

FIERY SCAN

Nearly all documents today exist in digital form, with most corporate and print production workflows designed to handle digital documents efficiently. However, there are still substantial volumes of hardcopy documents that users need to include in their digital workflows. Typically, scanning technology is readily available in most commercial print shops, corporate in-plants, and/or reprographics departments but is not available to corporate workgroups where most of the content providers work.

The Fiery Scan utility brings document scanning capability to workgroups through any compatible output device with copier capability that is connected to a Fiery Server; empowering Windows and Mac users with a digital on-ramp that is easy to use and complete with powerful tools that enable users to create high-quality scans and specify destinations for the scanned files across a network, eliminating the need to copy the scanned file from a local destination to remote locations for file sharing.

Fiery Remote Scan plug-in allows the user to control the Fiery scanner/document feeder configuration remotely from a client workstation. Fiery Remote Scan is a TWAIN compatible application that runs on both Windows and Macintosh operating systems and allows the user to initiate new scans and import them into TWAIN compatible applications (example: Photoshop).
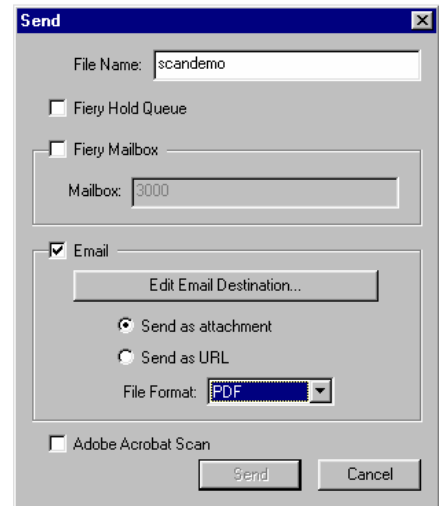
KEY FUNCTIONS & FEATURES:

- The new Scan to SMB feature allows scanned images to be automatically placed on a shared windows network volume. Note: This SPA feature is dependent on engine LCD support.
- Fiery Web Tools supports allows the user to access files stored in a mailbox and can send files via the Fiery Scan Send functionality, using email services resident on the Fiery.
- The Fiery Remote Scan 5.4 enhancements include the following:
  - Additional image resolution support for internet fax 200/300/400 dpi.
  - Specify the From: address of an email sent by the Fiery as that of the user name as defined by the Fiery Remote Scan client.
  - Support for User Authentication (mailboxes mapped to user's passwords).
- ADF/Duplex Support
- Scan to hold queue for use in Command WorkStation
- Scan to FTP
- Forward jobs to remote locations using file transfer protocol
- Internet Fax
  - Send file in Internet fax compatible format via e-mail to a third party fax server
- Scan to e-Mail
  - Access to corporate email addresses via LDAP
- Local HD – scan to the local hard drive from wherever scan is initiated
  - On ramp for document management
  - Fiery hard drive if using FACI kit
- Fiery Remote Scan (New Fiery System 6.1 Feature)
  - Windows
  - Mac OS 9
  - Mac OS X

FIERY SYSTEM 8E STANDARD FEATURES

FIERY SCAN

FIERY ADVANTAGE:

- The Fiery Scan workflow establishes the Fiery as the key element of the network scanning model. All scans are initiated at the Fiery and stored on the Fiery's hard drive, available for use and accessible via the EFI Desktop Utility.
  - Turns any Fiery connected device into a high-quality scanner
  - Remote scan allows scanner operation from desktop, Windows, or Mac
  - Can be configured as input device for Document Management systems

CUSTOMER BENEFITS:

- Digital on-ramp for hardcopy documents leverages digital workflows, eliminating bottlenecks and reliance on outside services

- Digital document storage reduces the need to store and track hardcopy documents decreasing overhead costs and improving efficiencies

- Flexible Scan Initiation Options
  - Locally - Copier LCD Scan
  - Fiery Remote Scan TWAIN plug-in
 - Fiery WebScan

FIERY SYSTEM 8E STANDARD FEATURES

FIERY WEB TOOLS

With today's fully connected systems, administrators in corporate and/or print-for-pay environments need unrestricted access to critical information at all times in order to ensure jobs and equipment are running smoothly. Further, skilled print operators as well as occasional print users sometimes need to quickly check on print jobs and/or output device status.

Delivering basic Fiery functionality when Command WorkStation (CWS) sophistication is not required or readily available, Fiery WebTools is a browser-based tool hosted on the Fiery that delivers pertinent information on print and printer status at any web-capable workstation.

With the new Fiery System 8e software, Fiery WebTools has been redesigned to offer users a more robust and intuitive interface. This new design allows the application to display much faster than before, and provides a foundation for future added functionality.
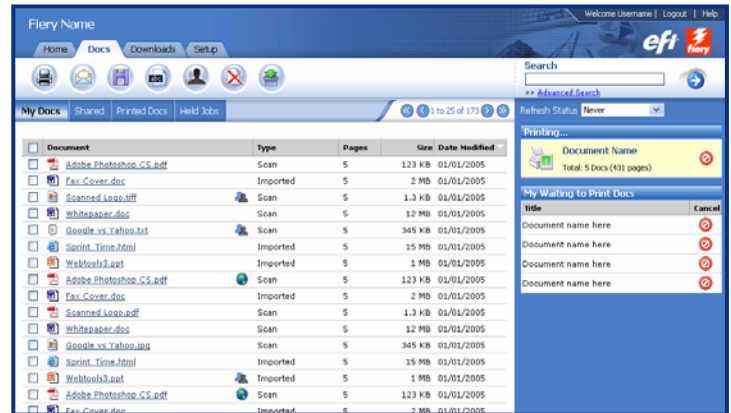
KEY FUNCTIONS & FEATURES:

As a general overview, the Fiery WebTools is a browser-based tool hosted on the Fiery which delivers the power of the following functionalities with the Fiery:

- **Home -** provides basic status and capabilities of the Fiery.
- **Downloads -** allows user to install client tools.
- **MyDocs -** user authenticated access to mailbox jobs and ability to download print jobs to the Fiery.
- **Configure -** allows the admin to configure the Fiery.
- **User and Groups -** user authentication management tool.
- **Back-up and Restore** settings.

FIERY ADVANTAGE:

- Fiery WebTools is one of several utilities for administrators and operators that empower them with complete and flexible control, from complex production runs to individual print jobs

CUSTOMER BENEFITS:

- Enhanced interface improves end user experience by adding consistency with the design of the rest of the applications in the Fiery
- Fast WebTools design invites users to make WebTools indispensable in day-to-day operations
- Additional tools including Mailbox support increase remote functionality and optimizes productivity.
- WebTools enhancements leverage industry standard navigation schemes to automate and streamline operation
- Additional tools including Mailbox support increase remote functionality and optimizes productivity

FIERY SYSTEM 8E STANDARD FEATURES

COMMAND WORKSTATION

To be an effective solution, the user interface of any software based product must empower operators to quickly and accurately harness its capabilities to complete the intended functions. In digital document production, the ability to have an all-encompassing, real-time view of print production status is essential in the quest to meet production timetables and efficiently manage costs.

The award winning EFI Command WorkStation is the definitive technology for managing digital document workflows at all levels of the production process, enhancing the efficiencies through a straightforward, interactive user interface. Command WorkStation is the main user interface to Fiery Servers and Centralized print production management of Fiery-driven devices and is ideal for operator-centric environments with dedicated or multiple operators. The elegant user interface does not assume all operators will have high levels of knowledge and/or the skill to complete complex jobs and provides them with an intuitive workflow that guides them to completion while providing the horsepower to meet the requirements of the most demanding document production specialists.

KEY FUNCTIONS & FEATURES:

- Fiery document production application gateway
  - Job Properties, EFI Impose, MixedMedia, ColorWise, etc
- Job properties
  - Mixed Media (job properties per page or range);
  - New UI:
  - New Job Properties UI offers usability improvements and revised organization of PPD options. This offers consistency of user experience across EFI client apps such as CWS 4.5, CWS ME 1.3, Hot Folders v2.2 and the EFI Driver.
  - New for v2.2 for the Mac/Windows include support for the new Job Properties UI and 1-bit Tiff/IT filter.
  - Hot Folders v2.2 and the EFI Driver.
  - Support for new Job Properties UI and availability of 1-bit TIFF/IT filter.
- Document previewing tools
- Enhanced preview tools
  - Thumbnail preview
- Active Jobs Window
  - View and manage live print jobs
  - Color coded job files identifies different print status
- Print Jobs Window
  - View completed print jobs
  - View other windows such as Archive, FreeForm, and Job Log
- Activity Window
  - View spooling, processing, printing, and device activities
- Customizable interface
- Build/merge jobs in any direction
- Advanced search/find functions

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FIERY SYSTEM 8E STANDARD FEATURES

COMMAND WORKSTATION

FIERY ADVANTAGE:

- Manages multiple Fiery's via network connection
  - Installs to multiple PC and Mac clients over the network
- Connect to more than 5 servers
- Simplified server connection

CUSTOMER BENEFITS:

- Productivity is enhanced through reduced job set-up times
- Operator training is reduced through intuitive and interactive user interfaces
  - Enables more users to contribute to production
- WYSIWYG user interface leads to shorter job set-up times and reduces operator errors
  - Operators can see effects of new settings with real-time previewing
- Flexibility provided by enabling CWS to be run at the Fiery or on client-separate workflow steps at multiple client workstations
- **Mac** users will be much more integrated with the Fiery workflow with the new EFI Command WorkStation, Macintosh Edition
- **Mac** environments will experience improved productivity with file submission, workflow control, administration of queues and easy user installation

Command WorkStation - Macintosh Edition

- ColorWise Pro Tools Support
- Downloadable from WebTools option
- Clear Server Enhancements
- Advanced Find function
- Support for EFI ImageViewer
- Job Status Help

NOTE: Command WorkStation LE has changed to EFI Command WorkStation, Macintosh Edition

Command WorkStation - Windows Edition

With the release of Fiery System 6.1, Command WorkStation will display the following new functionality:

- Compose support
- Paper Catalog support
- Booklet Maker
- Fiery discovery resolution
- USB dongle support
- Additional clear server function
- Enhanced UI for Job Properties

FIERY SYSTEM 8E STANDARD FEATURES

EFI DRIVER

In a digital document production environment, the best way to increase overall productivity and reduce manual steps is to capture as much data as possible, as early in the production process as possible. This requires a strong tool set that is flexible, easy to use and feature rich.

With the introduction of the new EFI Driver in Fiery System 8e, EFI launches the most innovative printer user interface available. Complete with a newly designed interface and simplified operation, the EFI Driver streamlines every aspect of printing with automatic and intuitive operation.

- New improved user interface
- User authentication support
- Improved categories of print options
- Enhancements to the EFI Job Monitor include:
  - Usability
  - Application context job monitoring
  - Revised preferences
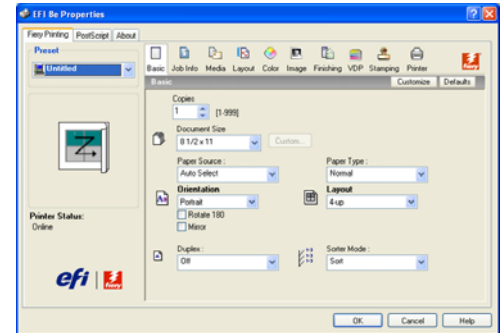
KEY FUNCTIONS & FEATURES:

- **Full bi-directional capability –** Gives the user dynamic printer status information including paper and toner levels information. When BIDI is not available, the information displayed here is static and read-only.

- **Customizable basic tab –** The pre-defined options in the basic tab may vary between embedded and server - but uses may always customize this using the same mechanism in current driver to customize shortcuts.

- **Improved layout bitmap –** Dynamic interactive layout bitmap that scales based on output paper size. Quick color or image shortcuts – Quick shortcuts allow the user to define the color or image transformation by selecting the image type of the user's print job. Shortcuts will include: Office Preset GA Preset B&W Preset Draft Preset.

- **Interactive machine bitmap –** Interactive machine bitmap shows toner and paper levels - as well as common printer status information and error conditions. In addition, selecting a particular tray will select that tray as a paper source for the print job. This will be reflected in the paper source ppd options. When BIDI is not available, the information displayed here is static and read-only.

- **Layered simple UI –** PPD categories are organized by tab (represented by icons) with the most common printing options represented under a (user-customizable) 'Basic' tab.

- **Toner and Paper status info (basic tab) –** Paper, toner and printer status info is displayed in the basic tab giving the user quick information on the status of the printing device.

- **Available in both PS and PCL –** Both versions will have the general same set of UI features however, there will be minor differences.

- **Available in Windows platform –** This is available for both Mac and Windows platform. The supported operating system versions are - Windows XP (latest version) - Windows 2000 (latest version) - Windows XP 64 bit - Windows Longhorn (TBD).

- **Section 508 Usability –** The driver is designed to be Sec 508 compliant. Navigation is done thru 'Tab' key and selecting different tabs is thru 'Alt + number' which is displayed as a mouse over.

  Note: Section 508 was enacted to eliminate barriers in information technology, to make available new opportunities for people with disabilities.
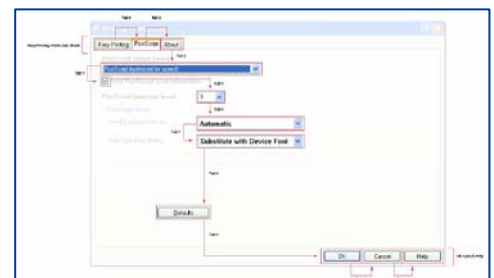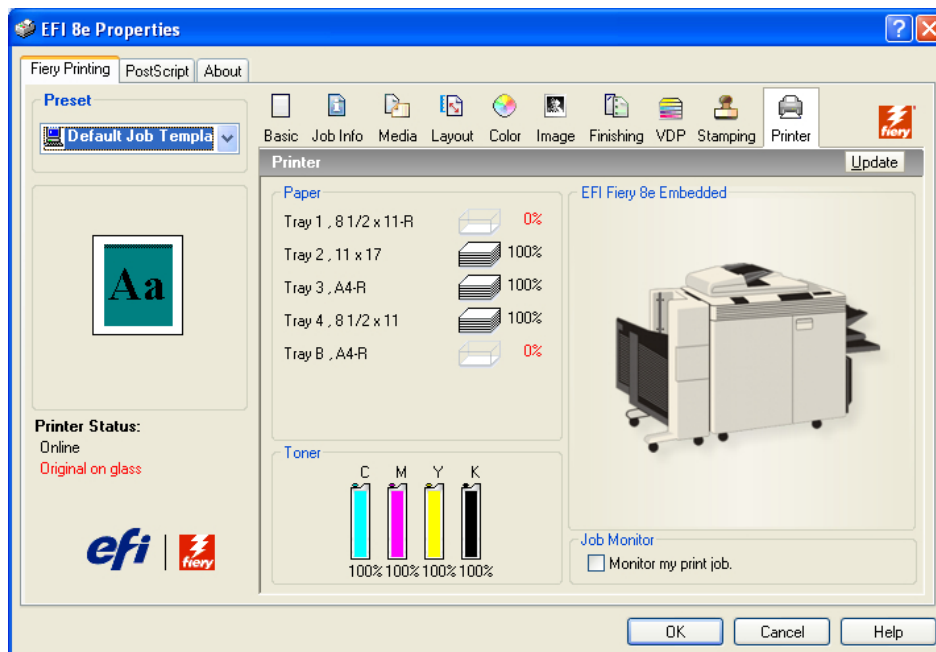
FIERY SYSTEM 8E STANDARD FEATURES

FIERY ADVANTAGE:

- The EFI Driver is the culmination of years of Fiery development of an extremely intuitive user interface that serves as the gateway to all of the Fiery's capability and power. With over a million Fiery users throughout the world, the Fiery Driver is arguably the most recognized and the used printer interface for color prints. The combination of intuitive design and large user population positions The Fiery as an easy to use utility that requires minimal training and support.

CUSTOMER BENEFITS:

- Offers full BiDi capability to show engine options and status feedback dynamically.
  - Networked printing as primary target, USB printing is a secondary target
- User authentication increases security and helps to reduce costs.
- Icon driven interface adheres to industry standard navigation; reducing operator steps.
- The improved interface is extremely intuitive with automation capabilities that reduce training and increases productivity
- For the office user: Basic printing options, more intuitive, faster access to PPD options
- For the skilled operator: visual feedback of the output when selecting advanced settings like Mixed Media and Booklet Maker
- Increased productivity with the faster access to the most frequently used settings with the customizable Basic Tab
- The Fiery's close integration with the engine provides bi-directional communication with the printer without the need to physically check the LCD.
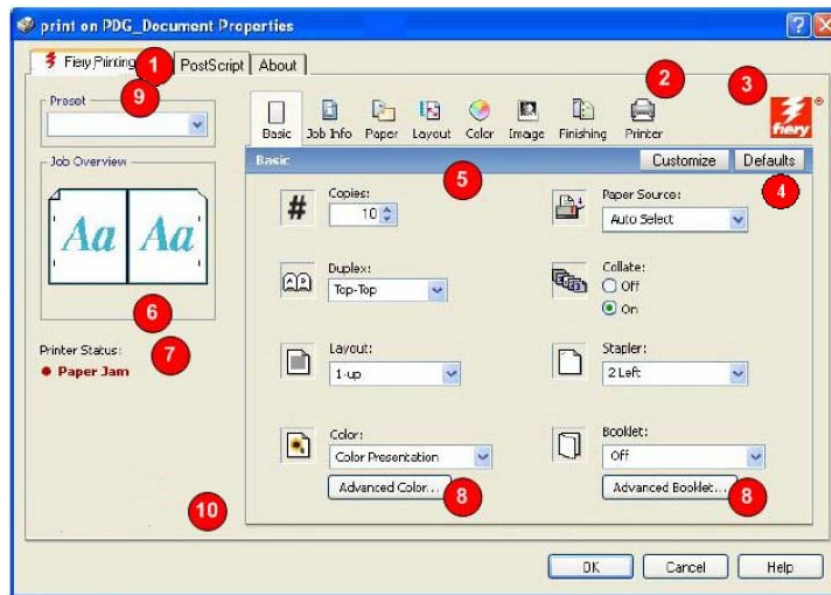
FIERY SYSTEM 8E STANDARD FEATURES

New User Interface:

The easy, simple to use UI highlights the basic printing options most commonly used by an office user. For the more advanced users, the printing options are categorized based on an operator-centric model.

KEY FUNCTIONS & FEATURES:

- The "Fiery Printing" ❼ tab serves as the control center for all Fiery print options.

- Within the "Fiery Printing" tab are the different PPD categories presented as icons❷.
- The most frequently used printing functions are contained in the "Basic" category.
- The "Basic" category will come with a list of factory predefined PPD options which can be customized by the user by clicking on the "Customize..." option❹..
- Clicking on any icon ❷ will display the options for that PPD category in the active area❺.
- The Fiery icon ❸ is static.
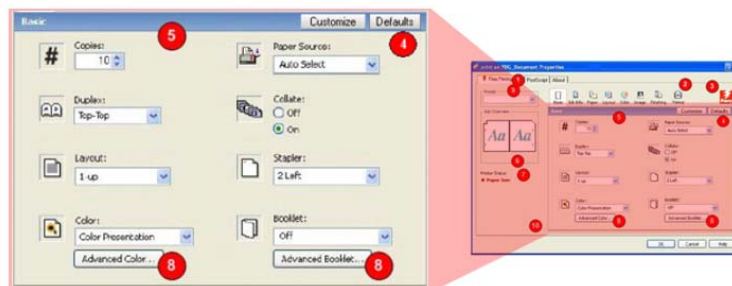
- The active area ❺ can display up to 8 options at a time.
  - When a category has more than 8 options, a scroll bar is displayed to showing more print options.
  - The options in the active area are layered - showing only the basic settings.
- For more advanced settings, buttons ❽ are displayed that when selected will display an additional dialog.

FIERY SYSTEM 8E STANDARD FEATURES

The main window also includes the following sections:
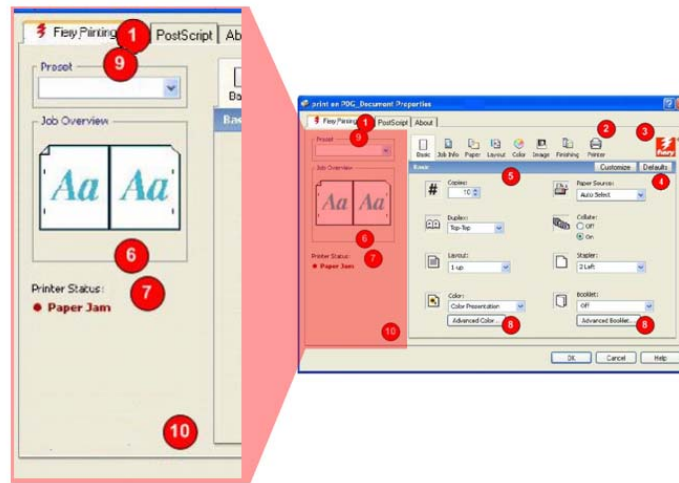
- **Preset:** ❾

  - Presets ❾ allow the user to save whatever print settings previously made as a retrievable template.
  - EFI may create several presets, based on several common printing scenarios.

- **Job Overview:** ❻

  - The Job Overview ❻ gives the user a wire frame preview of the current job – reflecting the paper, layout and finishing options selected.

- **Printer Status:** ❼

  - The Printer Status ❼ gives brief status feedback to the user on conditions that may prevent the user from getting their print job.
  - Clicking on the 'Printer' icon which is on the same row as the rest of the PPD categories will display more complete printer status information.

- **OEM logo:** ❿

FIERY ADVANTAGE:

- Adaptable user interface reduces steps and decreases training requirements
- Customizable driver operation positions Fiery as the optimal solution for special/custom workflows

CUSTOMER BENEFITS:

- Improved interface is intuitive with automation capabilities that reduce training and increases productivity.
- Easy and simple to use driver UI suited for the office user containing basic printing options but still offers more advanced settings for the skilled operator type user (production environments such as print for pay, CRDs etc.).

FIERY SYSTEM 8E STANDARD FEATURES

Job Monitor

The EFI Job Monitor is a client utility designed to give the user up-to-date status on print jobs sent to an EFI driven device. The Job Monitor tracks the status of each print job sent by the user and alerts the user to any error reported by the Fiery that would prevent printing of the job.

The EFI Job Monitor can monitor an unlimited number of Fiery's (that support the Job Monitor). Only one Job Monitor will pop up to monitor the user's print jobs regardless if multiple jobs were sent to multiple servers for printing.
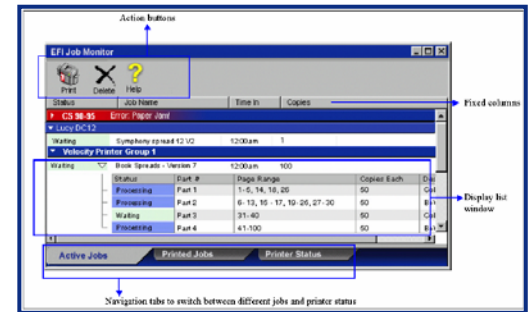
KEY FUNCTIONS & FEATURES:

- Monitor the following status of a job sent from his workstation (client):
  - Check error conditions on the Fiery or engine.
  - How many jobs need to print before a user's prints?
  - What stage is the job currently in (spooling, processing or printing).
  - When the job got printed from the Fiery driven device.

Error reporting and busy states:

The Job Monitor can report two new printer status states in the Printer Status Tab:

- Scanning
- Job errors reported by the server

Now all the printer status states reported by the server will be noticed to the remote user thru the Fiery Driver.

The following table summarizes the functionality/features of the EFI Job Monitor:

TABLE: EFI Job Monitor Features and Functionality 1

Feature / Functionality	Description
Track # Of Jobs	Allows the user to get status information on the number of jobs already ahead of the current print job in the server
Track Status Of The Device	The EFI Job Monitor supports additional printer status feedback for the following busy states: Scanning, Copying and Faxing. These busy states would cause the device to not print any incoming jobs. Incoming jobs will be spooled, processed / queued normally but will not print until the device has completed the copying/scanning or faxing functions
Track Print Jobs	Allows the user to track the progress of the submitted print job - showing the status change of the job as it gets spooled, processed and printed If a device error occurs, the entire printer roll down is highlighted in red and the condition is described. A job problem will cause a device problem
Track Job Errors	If a print job encounters a processing error, the job is highlighted (pink) and appears in the printed jobs tab
Monitor Multiple Servers	Allows the user to monitor his print jobs from a single interface/window. The user can scroll through the different servers the print jobs were submitted to. This feature also includes the ability to scroll/move up the server with which the latest job was submitted to by the user. This allows greater ease of use in scenarios when user is monitoring his print jobs across multiple servers
Track Consumables (For Fiery Servers Only)	Allows the user to get status information on paper / tray levels and ink/toner levels thereby giving the user advanced information on potential problems if a print job was submitted to the server

FIERY SYSTEM 8E STANDARD FEATURES

FIERY ADVANTAGE:

- Quick view of printer queue from user desktop
- Eliminate bottlenecks due to errors
- Remote scanning operation

CUSTOMER BENEFITS:

- The Fiery's close integration with the engine provides bi-directional communication with the printer without the need for the operator to use CWS or to physically check a machine display.

Printer and Consumable Status:

Using BiDi communication the EFI Driver updates the user with the latest information on the printer's status.

KEY FUNCTIONS & FEATURES:

The Fiery receives and/or retrieves information from the output device showing the following information:

- Status (Printer Status)
- Active Jobs (jobs currently spooled and waiting to print at the device)
- Paper Tray Levels (for each tray or roller)
- Toner or Ink levels (for each color)

NOTE: All information in this plug-in is read-only; there are no user-selectable options, information displayed is dynamically updated (when the plug-in is initially opened and at various predetermined time intervals)
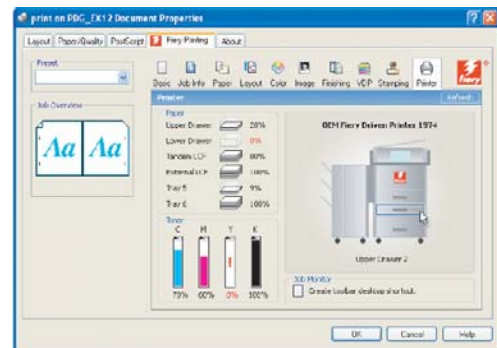
FIERY ADVANTAGE:

- Streamline workflow by empowering users with print status information
- Optimal operation due to real time status

CUSTOMER BENEFITS:

- Increased productivity by flagging users to error conditions and by alerting users to current consumable status eliminating wasted time and consumables

Watermarks

Fiery provides an interactive interface that allows users to have complete control over watermark creation, editing and removal.
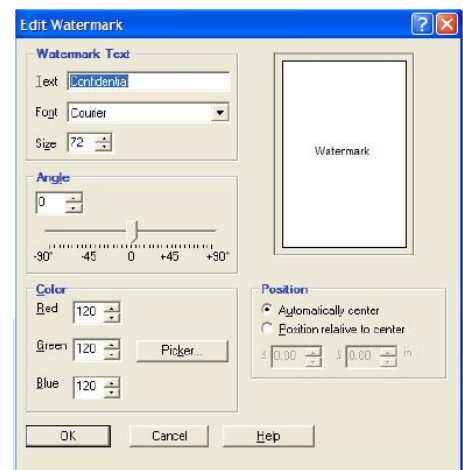
KEY FUNCTIONS & FEATURES:

- Ensure the most effective positioning of watermarks
- First page only
- As outline
- Print in background

FIERY ADVANTAGE:

- Interactive watermark creation simplifies process

CUSTOMER BENEFITS:

- Simple implementation of document watermarks decreases operator keystrokes

FIERY SYSTEM 8E STANDARD FEATURES

Image Shift

Options in the Image Shift Bar define how much the image on each page would be shifted relative to the X and Y (horizontal and vertical) axis.

Image Shift Plug-in - Support for Image Shift function as a plug-in in the MAC OS X Print Center.

KEY FUNCTIONS & FEATURES:

- Define image shift relative to X Y Axis
- Horizontal and vertical
- MAC OS X Print Center support
  - As a plug-in

FIERY ADVANTAGE:

- Compensate for machine characteristics, reducing manual manipulation of original file
- Allow ample space for finishing options
- 3-hole punching, stapling, stitching etc.
- "Tab or Image Shift" function is useful in lieu of Production Printing Package option

CUSTOMER BENEFITS:

- Automated page shift eliminates the need for users to manipulate pages through trial and error, escalating productivity and reducing user interaction
- Moves image to allow space for various finishing options such as 3-hole punching, stapling, stitching etc. without any data/content from the job getting clipped (by the finishing option).
- One of the key uses for Image Shift is "tab printing". The source job should contain pages with the tab text already in the relative position, and the pages are shifted to print on the tab ears.
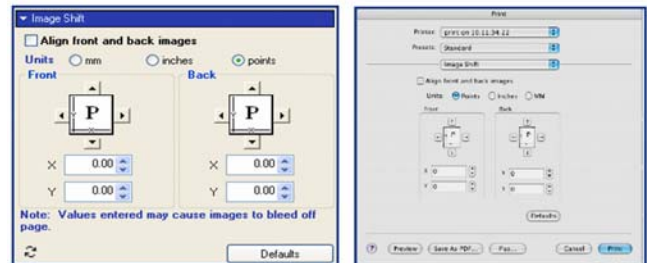
Tab Shift

Most applications only allows a single page size within a document (Word and Acrobat are exceptions), so the Fiery provides the ability to shift certain pages one-half inch horizontally and makes it possible to print the predefined tab text on the tab ear.

KEY FUNCTIONS & FEATURES:

- The user must place and orient the text precisely on the page, predict the ear position and specify the page number that should be shifted.
- The Tab Shift option is found within the Mixed Media settings.

FIERY ADVANTAGE:

- Leverage engines Tab capability with a powerful interactive toolset

CUSTOMER BENEFITS:

- When the printing device supports tabs as a media type, users now have an easy way to position copy on the tabs.

FIERY SYSTEM 8E STANDARD FEATURES

EFI DESKTOP SE

EFI Desktop is a new utility allowing customers to instantly organize, find and share all their paper & digital documents based on the popular PaperPort by Nuance. Now files stored on your desktop, on the network or on your Fiery can be easily viewed, accessed and arranged via large clear document and individual page thumbnails on your computer desktop. Once stored in EFI Desktop, files can be shared with anyone anywhere, in PDF format, with a simple drag-and-drop.

Put an end to wasted time searching for documents, and to the frustration of organizing, editing and sharing digital documents – saving time and money and EFI Desktop provides the security of knowing that important documents will never be lost.

KEY FUNCTIONS & FEATURES:

- **Scanning & Camera Capture TWAIN & WIA Scanning:**
  - One Click ScanDirect™.
  - Scanner Wizard.
  - Set it and forget it setup.
  - Batch Scanning.
  - Digital Camera Capture.
- **Visual Desktop Features:**
  - Document Thumbnails for Most Files Types.
  - Page Thumbnails on Desktop.
  - PageViewer with Page Thumbnails.
  - Back Button with Last Folders Used List.
  - Properties Pane on Desktop.
- **PDF Features:**
  - Create PDF Image Files From Any PC Application.
  - PDF Security.
  - PDF Options.
  - Organize, Annotate & Assemble PDF Files from Any Source.
  - Create PDF Files on the Desktop (lite version).
  - ScanSoft PDF Converter Link.
- **Document Assembly Features:**
  - Reorder, Cut, Copy, Paste and Delete Pages on the Desktop.
  - Reorder, Cut, Copy, Paste and Delete Pages in PageViewer.
  - Drag and Drop Pages To Workspace(s).
  - Automatic PDF Conversion of Any Stacked Document (lite version).
  - Drag and Drop Insertion of any document within the pages of a PDF File.
  - One Click PDF Document Stacking of Any File Type (lite version).
  - Page Name Memory of Stacked Document.
- **Search and OCR Features:**
  - Search for Document Title.
  - Search for Text (OCR) with a Scanned Document.
  - All-in-One Search.
  - More Accurate Search Results.
  - Faster Network Searches.
  - Faster Network Indexing.
  - Faster and Easier Input of Author, Keyword and Subject Meta-Data on Desktop.
 - Scheduled Indexing with Index Manager.

FIERY SYSTEM 8E STANDARD FEATURES

EFI DESKTOP SE

FIERY ADVANTAGE:

- Extend Fiery functionality to desktops throughout the Enterprises with interactive document access and manipulation tools

CUSTOMER BENEFITS:

- Quickly Turn Paper into Organized Digital Documents
- A Better Way to Organize Documents on Your PC Desktop
- Easily Create PDF Files from Any File
- Assemble Scanned and Digital Documents with Drag & Drop Simplicity
- Never Misplace a Document, PDF file or Photo Again
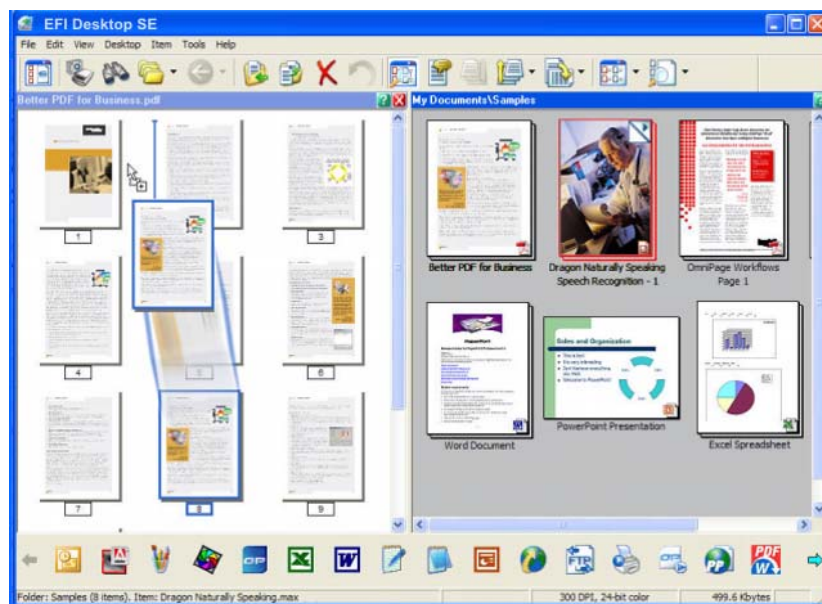
FIERY SYSTEM 8E OPTIONAL FEATURES

EFI HOT FOLDERS & VIRTUAL PRINTERS

Hot Folders

Extending beyond traditional production environments to include content creators and stake holders in the production process is one of the appealing benefits of a digitally connected production process. Focused on complete automation of document production and a key component of a proficient, highly-connected infrastructure, Hot Folders serve as an intelligent conduit into a digital workflow, significantly enhancing automation and document throughput.

Production Administrators use Hot Folders to automate repetitive and redundant tasks by making Fiery's powerful features and functions available to network users, or graphic arts users for more complex tasks, with simple "Drag & Drop" operation. Users simply drop files into a pre-configured Hot Folder, and it automatically applies all related job properties and imposition settings to guarantee the job will be printed correctly without any user intervention.

KEY FUNCTIONS & FEATURES:

- Flexible Print Operation
  - Drag & Drop
  - Print to File
- Windows and Mac OS X
- Supports all of the Fiery PDLs:
  - PS, PDF, EPS
  - EPS
  - TIFF
  - VDP
- Driver overrides
- Access to VDP imposition templates
- Re-designed User Interface (UI)
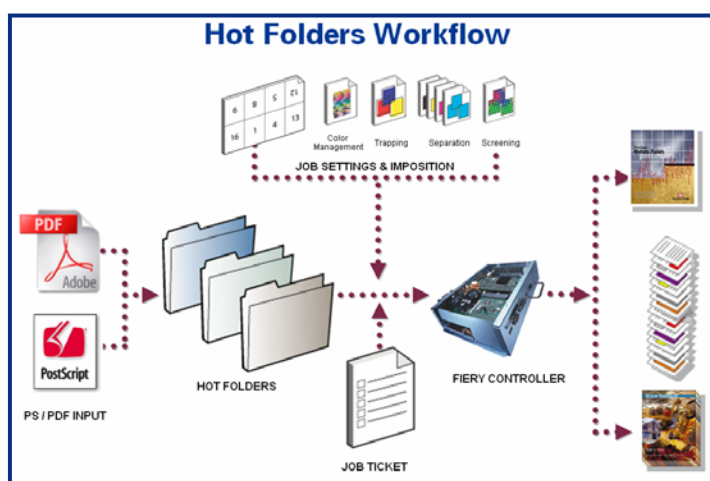
FIERY ADVANTAGE:

- Simplified User Workflow
- Enables integration into High-End GA environments and workflows

CUSTOMER BENEFITS:

- Automated workflow for all users
- Eliminate repetitive workflows for faster, error-free printing
- Perform complex jobs beyond users own expertise
- Consistent User Interface, Driver, Job Properties, and Hot Folders

Additional Hot Folders Functionality:

- **Support for Win 2000/2003/XP**
- **Support for OS 10.2+ -** Now Mac OS X users can create and configure Hot Folders and this will give them the benefits of a more productive and automated job submission process with reduced errors caused by mistakes in the job set up.
- **Postscript -** PS,EPS files
- **PDF to PostScript -** Converts any PDF 1 .2 to 1 .6 to PostScript before submitting to the server. This enables support of newer PDF versions, as well as transparency for all supported Fiery's.
  - The following table details the different file formats supported:

TABLE: Hot Folders File Formats 1

FIERY SYSTEM 8E OPTIONAL FEATURES

File Format	Description	Availabilit	Mac Client	Impose
PostScript		Standard	Yes	Yes
PDF		Standard	Yes	Yes
EPS		Standard	Yes	Yes
TIFF		Standard	Yes	Gang-up
FF1 & FF2	EFI FreeForm 1 and FreeForm 2 VDP files	Standard	Yes	Yes
Creo VPS	VDP files	Standard	Yes	Yes
PPML	Personalized Print Markup Language Standard	Standard	Yes	Yes
Xerox VIPP	VDP files	Standard	Yes	Yes

- **Tiff 6 -** The TIFF to PDF filter accepts all TIFF files up to TIFF 6. Distiller is not required for this filter to convert to PDF.
- **Imposition -** EFI Hot Folders provides the user two ways to impose a print job:
  - Standard Imposition.
    - Standard imposition (allowing sheet size and imposition template selection) is available for all hot folders.
  - Custom imposition settings are available when at least one of the following is true:
    - Imposition is enabled on the client machine (the machine with EFI Hot Folders installed) with an EFI Impose (or DocBuilder Pro) dongle, parallel or USB.
    - Imposition is enabled on the connected server.
    - Fiery Production Printing Package is enabled on the connected server.
- **PPD overrides (that match available printer) -** When a hot folder connects to a server, the EFI Hot Folders retrieves the available PPD job properties settings from the server. Thus, depending on the server type, the UI for the PPD settings will display different options dynamically.

  Job settings do not modify the print job source file. Instead, they change the job properties and translate those attributes into a custom PostScript settings file. The custom PostScript settings file is passed to the server, along with print job source file, before processing. It is then automatically applied to print job while processing.
- **New Job Properties -** EFI Hot folders Support for new Job Properties UI
- **To Hold/Print/Direct queues**

FIERY SYSTEM 8E OPTIONAL FEATURES

Virtual Printers

Virtual Printers give any user a method of printing to the Fiery, using predefined settings to configure the print job. The Fiery administrator can define a series of virtual printers for the Fiery to publish. The user can access a Virtual Printer via a print driver. In comparison with Hot Folders, Virtual Printers is managed and configured centralized by the Administrator and all settings take place at the Command WorkStation.

KEY FUNCTIONS & FEATURES:

- The Fiery Operator only can view the published virtual printers and details associated within them.
- The Administrator has the right to the following functions:
  - Create new virtual printers.
  - View the available virtual printers (and published queues).
  - Publish a virtual printer.
  - Delete a virtual printer.
  - Duplicate a virtual printer.
  - Edit a virtual printer.
  - The Administrator can define a combination of up to 255 virtual printers on a Fiery.
- When defining a virtual printer, the Administrator can specify the following:
  - Virtual Printer Name.
  - Comments: these comments are visible to the user in the print dialog box of many applications, and can guide the user in selecting and using the appropriate virtual printer.
- Fiery Action - assign a virtual printer one of the standard Fiery actions available, including:
  - Hold - Process & Hold.
  - Print - Print & Hold.
  - Job Properties: these settings a consistent with the Fiery Driver and Job Properties in CWS.
  - Imposition settings: consistent with the imposition settings from Hot Folders.
  - Override Settings - the administrator can define whether the virtual printer settings override the print job settings, or if the print job settings override the virtual printer settings.
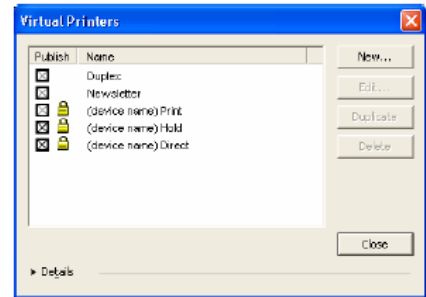
FIERY ADVANTAGE:

- Simplified user workflow and enables automation of complex print jobs for unskilled operators

CUSTOMER BENEFITS:

- Automated workflow for all users.
- Cuts down on repetitive workflows for faster, error-free printing.
- "Print" from within the desktop application using the settings to suit the specific job.
- Since relevant settings can be preserved by Admin-lockable constraints, the Administrator can ensure that the print process is controlled and under company standards (e.g.: use of specific color profile, always print duplex on, etc).

Additional Virtual Printers Functionality:

- **Support for Win 2000/2003/XP**
- **Support for OS 10.2+ -** Virtual Printers supports Mac OS 10.2+ and above.
- **SAP/ERP printing capable -** Support for SAP & ERP printing via Virtual Printers.

  Imposition (using EFI Impose option) - The administrator can apply an imposition template to a virtual printer.
- **PPD overrides (that match available printer) -** Override Settings; the administrator can define whether the virtual printer settings override the print job settings, or if the print job settings override the virtual printer settings.

FIERY SYSTEM 8E OPTIONAL FEATURES

AUTO TRAPPING

Professional quality color documents are created by managing all aspects of color on the page, including how colors interact with one another. Traditionally this interaction of color on a page was managed by skilled operators, using complex tools and techniques to accomplish the highest quality results.

"Trapping" is a technique where some objects are printed slightly larger than specified by the user, in order to prevent white edges around these objects. These white edges or "hollows" can be caused by factors like: mis-registration, physical properties of toners and stiffness of the media.

"Auto" refers the idea that the user can use the feature with no knowledge of the art of trapping. Users just set the option On/Off for proper trapping settings to be applied. And the "Fixed" attribute is used because trapping settings have fixed values

By utilizing the Fiery Auto Trapping feature, users can get professional level results without extensive knowledge of trapping rules; automatically correcting mis-registration of Fiery driven printers for composite or separated documents.

This is application independent and can be reached as a PPD option which offers simple On/Off selection

NOTE: This feature is not meant for proofing traps included in a job, which can be done by printing with EFI's support for combine separations

KEY FUNCTIONS & FEATURES:

- Automated workflow for all users.
- Cuts down on repetitive workflows for faster, error-free printing.
- "Print" from within the desktop application using the settings to suit the specific job.
- Since relevant settings can be preserved by Admin-lockable constraints, the Administrator can ensure that the print process is controlled and under company standards (e.g.: use of specific color profile, always print duplex on, etc).
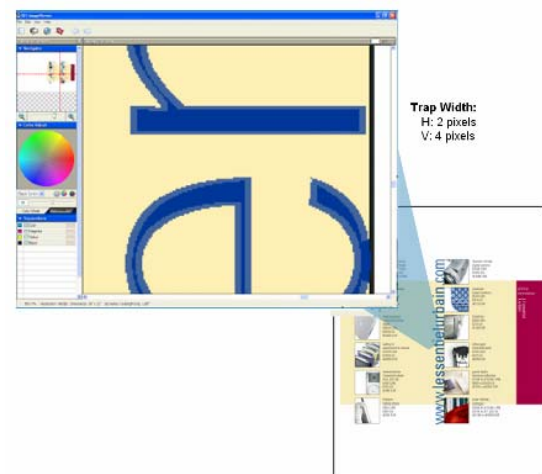
FIERY ADVANTAGE:

- Optimized for the Fiery driven printer
- Auto Trapping runs Post RIP, in the video board
  - No performance hit
- Works with VDP & Non-VDP jobs alike
- Minimize print engines deficiencies

CUSTOMER BENEFITS:

- Improved image quality utilizing an easy and fast trapping process
- Consistent professional results
- Cleaner finish for page elements with non-like colors next to each other
- Extremely fast
  - No performance impact
- Full control over trapping values for adapting to different printing environments
- Avoid registration errors when printing on stiffer media
- Faster than conventional trapping
- Application independent
- Greater flexibility and control over the trapping parameters
  - Allowing adjustment of values as needed

FIERY SYSTEM 8E OPTIONAL FEATURES

EFI SPOT-ON®

From corporate branding to high-level color matching in a commercial printing setting, creating consistent, predictable color first-time, every-time is essential. With the growth of digital workflows, more users are able to create and influence color in documents, streamlining the production process but also increasing the potential of creating a color management nightmare; proliferating the misuse of color naming and callouts that create bottlenecks in pre-press and proofing.

Fiery Spot-On® is a utility program that helps to manage named color and corporate colors on the Fiery server. Fiery Spot-On® allows editing of CMYK values associated with existing named color, which helps the user to better match a desired named color when the CMYK value, provided as default, produces unsatisfactory result.

Fiery Spot-On® provides graphical user interface (Spot Color Search) which helps user to "zero in" on the CMYK toner equivalents needed to create a desired spot color for a given device.

Fiery Spot-On® also enables the user to create custom spot color with a specific name and CMYK value. This helps user to conceptualize and communicate custom color with better ease. For instance, user can quickly associate a corporate branded color of "Company Blue" with an appropriate "Pantone xxxCVC" value, and have it automatically mapped to the correct CMYK values. (Fiery can automatically translate Pantone values to CMYK values).

Fiery Spot-On® allows user to create customized color group (also known as named color profile) to support corporate Branding efforts. The customized group enables the user to manage custom colors in an organized fashion. Examples would be "Pepsi Blue" or "Coca Cola Red", where a company color can be automatically associated with a defined color value. These colors can be adjusted iteratively with Spot Color Search and stored for broad use once approved.

The addition of EFI Color Profiler Kit (with spectrophotometer or densitometer options) provides the ability to "read" or capture named colors. The ES1000 spectrophotometer provides accurate direct reading of target colors as precise CIELAB values, and automatic capture of those values within Fiery Spot-On®.

KEY FUNCTIONS & FEATURES:

- Accurate and consistent color matching
- Intuitive interface for conceptualizing and modifying spot colors
- Easy export of color palettes to other Fiery devices, independent of application
- Simplified workflow
- Efficient editing of targeted areas of the job

FIERY ADVANTAGE:

- Competitive differentiator
- Standardize color on other Fiery's

CUSTOMER BENEFITS:

- Simplified corporate color
- Increased capability, reduced training
  - Color consistency across all documents
- Better conversion of colors for popular color systems done directly in the server.
- Eliminate spot color rework with late stage color editing without the need to open the native original application
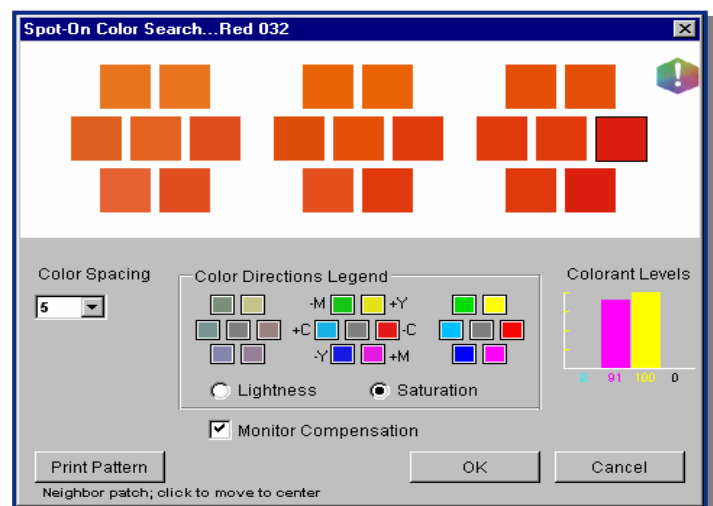
## FIERY SYSTEM 8E OPTIONAL FEATURES

EFI IMPOSE FIERY EDITION

The last step in document production is getting the pages ready for final output. In some cases, it's as simple as page collation and making sure that the document is in its proper order. However, with more complex finishing requirements like books, manuals and especially Variable Data applications, more sophisticated tools and capabilities are required.

EFI Impose, Fiery Edition is a server-based imposition application with an extensive history of leading edge development of tools designed specifically for Fiery production solutions. Employing a workflow based on Adobe System's Portable Document Format (PDF), EFI's Impose, Fiery Edition allows operators to create unlimited user definable templates as well as edit and assemble entire documents on a Fiery color server before RIP-ping the file(s) for final output.

KEY FUNCTIONS & FEATURES:

- Works with VDP or non-VDP workflows
  - Auto detects VDP or non-VDP workflow
    - Same templates for VDP or non-VDP
  - Simplified user interface for VDP workflow
  - Raster preview for VDP jobs
- Single & Multiple record schemes
- Cut & Stack Unique approach
  - Cutting, sorting and packing can start before job is finished printing
    - Start finishing before production is complete
- 10x10 layout support - imposition style of up to 10 rows and 10 columns
- Zero Margin - Imposition to the imageable area of a sheet
  - Scaling, positioning and alignment according actual physical size of sheet
  - Auto center of the image and adjust gutter/margin
- Mixed Media Support
- PDF 1.5 Support
  - Includes Acrobat 6, support for PDF 1.5 and Enfocus Pitstop 6.x
  - Acrobat "under the hood" PDF file creation as part of the workflow
- Demo mode
  - Operates without Impose dongle
  - Prints will include a watermark.
    - Acrobat 6.0 Standard or Acrobat 6.0 Professional has to be installed on the client
- Background compatibility with custom DBPro 1.5 templates - Compatible with EFI Impose, Fiery Edition
- Change Properties after Imposition
  - Except: Duplex, Paper orientation, Rotate 180, Paper Size,
  - Manual face, Imageable Area templates work with Hot Folders
  - Unlimited capability to create user definable templates
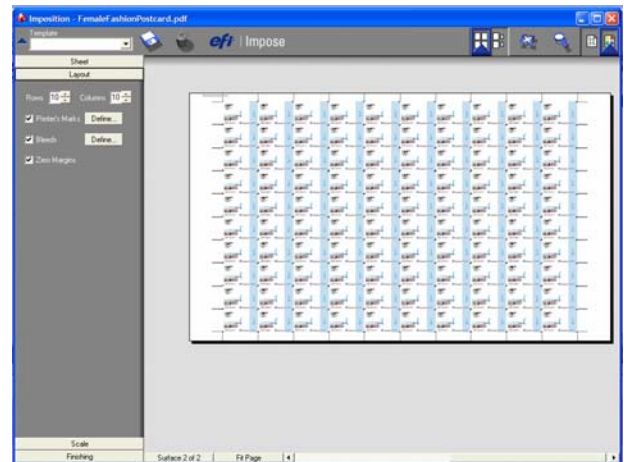
FIERY ADVANTAGE:

- Combined with the extraordinary document composition capabilities of EFI Compose, and the unequaled processing power of the Fiery Server, EFI Impose, Fiery Edition completes a comprehensive toolset designed to optimize document production at every step of the process with automated, intuitive and resourceful features/functions that yield the ultimate value from each production asset and resource
- With the Impose Demo mode function customers can experience the full functionality of EFI Impose before commit to buy leading to Increased sales potential with easy to access demo Impose features

FIERY SYSTEM 8E OPTIONAL FEATURES

EFI IMPOSE FIERY EDITION

CUSTOMER BENEFITS:

- Instinctive user interface, WYSIWYG operation and a complete set of imposition tools provides users with a fast, automated approach to an otherwise tedious and time consuming workload that is open to errors, lots of re-dos

- Raster preview for VDP jobs - Adds a key proofing point and control tool before submitting to print production reducing printing errors and waste

- Control Strip for VDP printing - User can quickly identify a spoiled sheet; reducing waste and improving turnaround times

- 10x10 layout - Optimizes utilization of paper stock for small document size, such as business cards
  - Can be useful for page double-up to save on engine click-charges

- Zero Margin – Optimizes utilization of paper stock when imposing postcards or business cards with white background which doesn't need to print on the edges of the physical paper

- Unique WYSIWYG approach enables full preview of jobs in actual imposition signature reducing errors by providing foolproof validation before printing

FIERY SYSTEM 8E OPTIONAL FEATURES

EFI COLOR PROFILER

Good color management requires using properly adjusted hardware and software, typically as a set of tools and settings used by the RIP to make sure that images created and/or acquired from one device can be output on another device with minimal changes in appearance. Therefore, it is very important to use tools that are designed and calibrated for the job at hand to ensure consistent, predictable color output. The EFI Color Profiler is an intuitive, affordable, and versatile system designed to help creative professionals to create, communicate, and manage color.

KEY FUNCTIONS & FEATURES:

- The EFI Color Profiler Kit integrates
  - Profiling features like creation of ICC profiles to simulate other print devices,
  - Calibrating function: the ES1000 is a perfect device as a densitometer to perform calibration
  - Integration with Fiery Spot-On to read, create and store new colors in your Fiery system
- Open Standards:
  - If you can print PDF then you can print profiler patches.
  - If you can't print on the press to simulate, but you have a printed IT8 page from this press then you can use these measurements - very flexible.
  - Eg., newspaper press would already have the IT8 target values so why would you want to re-measure, you just key them in and no need to reprint the targets
- Flexibility
  - Not a closed loop process for creating profiles, other systems force you to follow a specific sequence to create a profile
  - Also creates monitor profiles for more precise color
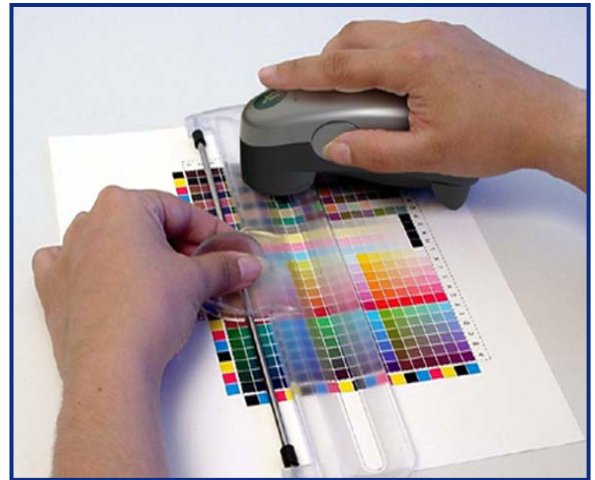
FIERY ADVANTAGE:

- Color Profiler takes advantage of strengths, and offers controls to navigate around any limitations of each printing process that EFI Fiery servers are supporting
- Implementing the same core processing in use internally by EFI's color profiling group, the Color Profiler optimizes color output across all engines
- No other company in the world has more experience with as many color printing technologies (laser, ink jet, pictography, etc.) as EFI, assuring that Fiery color output, no matter what the application, is the best it can be

CUSTOMER BENEFITS:

- Accurate soft proofing with monitor profiling provides consistent predictable color and eliminates time wasting "Trial & Error"
- Maximize productivity by emulating color across different engines allowing jobs to be produced on multiple or available engines
- Standardize color throughout the production environment by creating ICC profiles of other print devices
- Integration with Fiery ColorWise (Spot-On & Calibrator) eliminates the need to learn, use and support alternate workflows, saving valuable production steps
- Mac and PC compatible (Hardware & Software)
- Because this is a client based tool, the EFI Color Profiler also works with other products in the customer's environment

FIERY SYSTEM 8E OPTIONAL FEATURES

EFI DATA CENTER PACKAGE

Many IT departments are seeking cost effective ways to update their existing and outdated printers which are used for printing mainframe data, and replace them with high-speed, reliable, networked digital color copiers\printers.

Additionally, many customers are looking for ways to utilize their equipment at night, when it is not used for Print-on-Demand jobs. For example, a corporate reprographic department could accomplish data center printing when their equipment would otherwise be idle. Finally, many vendors in the production/variable data segment (both B&W and color) are seeking ways to tap into the mainframe transactional printing segment.

The EFI Data Center Package (DCP) is an optional software program that is installed on a Windows® NT, Windows XP or Linux based Fiery print server. Once installed, it runs as a service in the background of the print server.

The EFI DCP provides full support for host printing in IBM mainframe and AS/400 enterprise systems. By communicating with the IBM mainframe and AS/400 hosts, the Package extends the print server's enterprise printing capabilities and provides IBM mainframe and AS/400 users with the advantages of EFI's Fiery workflow: high-quality color, wider choice in digital output devices, and extensive finishing options.

The EFI DCP runs on the Fiery print server as a background service. It fully supports host printing in IBM mainframe and AS/400 environments by enabling the Fiery print server to receive and process Intelligent Printer Data Stream (IPDS). This capability is in addition to the Fiery controller's ability to process and print Adobe® PostScript®, Portable Document Format (PDF), and a variety of Variable Data Printing (VDP) languages. The robust package can multitask a single controller, using it to handle multiple data streams, including both transactional and graphics-oriented data streams.

Supported Environments:

- AS/400: TCP/IP Ethernet, SNA Ethernet (LU1/LU3, LU6.2)
- Mainframe: TCP/IP Ethernet, SNA Ethernet (LU1/LU3, LU6.2)

Supported Features:

- IPDS Data Towers:
  - PTOCA PT1, PTOCA PT2, PTOCA PT3
  - GOCA DR/2V0, BCOCA BCD1
  - IOCA FS10, IOCA FS11
  - IOCA FS45 support for 24 bit JPEG images (32 bit JPEG images also supported, converted to 24 bit before printing)
  - IMD1

Font Support:

- Download Raster Fonts: SBCS only
- Resident Raster Fonts: SBCS only

Barcode Support:

- BCOCA BCD1
- Barcode Fonts

Supported Printer Emulation:

- 3812 (or types with 240 x 240 simplex)
- 4028 (or types with 300 x 300 simplex)
- 4224, 3816 (or types with 240 x 240 duplex)
- 3916 (or types with 300 x 300 duplex)
- 3825- 240, 3825- 300, 3116, 3827- 240, 3827- 300, 4000, 4001

Supported Data Stream:

- IPDS
- Support for IBM International Code Pages
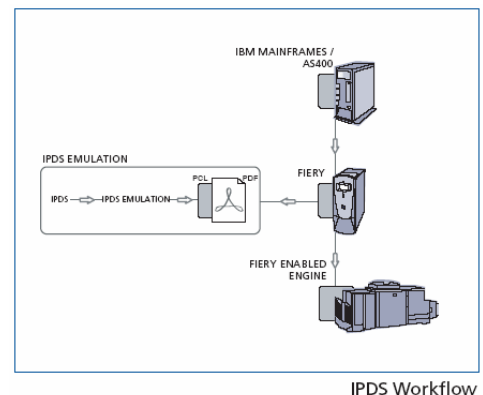
IPDS Workflow

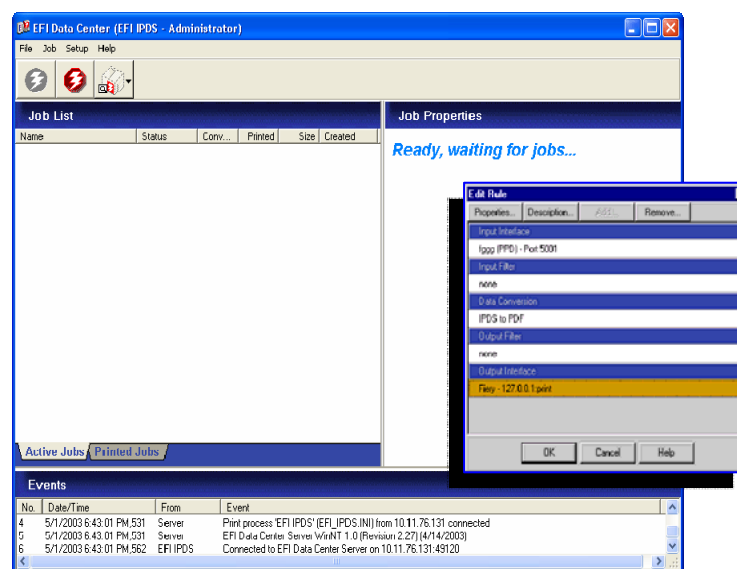## FIERY SYSTEM 8E OPTIONAL FEATURES

KEY FUNCTIONS & FEATURES:

- High speed IPDS support
- IPDS to PCL/PDF
- Windows and Linux

FIERY ADVANTAGE:

- The EFI Data Center Package in conjunction with a Fiery Server provides an ideal solution for the AS/400 and mainframe IPDS printing environment
  - Providing the best possible scalability and performance

CUSTOMER BENEFITS:

- By communicating with the IBM AS/400 or the mainframe system, the EFI DCP extends the capabilities of enterprise wide, transactional printing of IPDS data streams to the Fiery printing system reducing costs by leveraging existing assets
- Data Center operations benefit from the offering with reliable printing solution that minimizes mission critical printing failures protect technology investments by multi-using the same Fiery driven device for a CRD and Data Center
- Full bi-directional capability and the ability to simulate "known" IPDS printers means the DCP creates a non-disruptive solution
- Replace slow, obsolete IPDS line printers by moving the data stream to faster, more efficient Fiery-enabled printers.
- Jobs can take advantage of color options, as well as feeding and finishing features of the Fiery-enabled printers, keeping the workflow productive and efficient.
- Bring IPDS into a Fiery-based PDF workflow. PDF is currently one of the industry's most commonly used file formats. Because the EFI Data Center Package can override the IPDS printer options once the file has entered the Fiery workflow; you can print IPDS jobs using Fiery print technology. This will result in higher quality print jobs in a more automated method.

EFI DESKTOP PRO

EFI Desktop Pro provides enhanced capabilities to EFI Desktop SE, and is an optional upgrade for both Fiery embedded products and EFI SendMe. EFI Desktop Pro features the ability to search the content of any scanned document using advanced OCR and indexing capabilities, the ability to view all documents types as thumbnail including application files, and then using the included PDF creation capabilities to merge any document type into a PDF with a simple drag and drop.

The EFI Desktop Pro extends the functionality of the most important features of the EFI Desktop SE version to give you the maximum capabilities to scan, search, merge, edit, and share any file in the PDF file format. If professional desktop document management is what you require then the EFI Desktop Pro delivers.

EFI Desktop Professional offers both OCR and meta-data search and additionally provide format retention OCR to maintain the look and text flow of the original page resulting in minimized page reconstruction time.
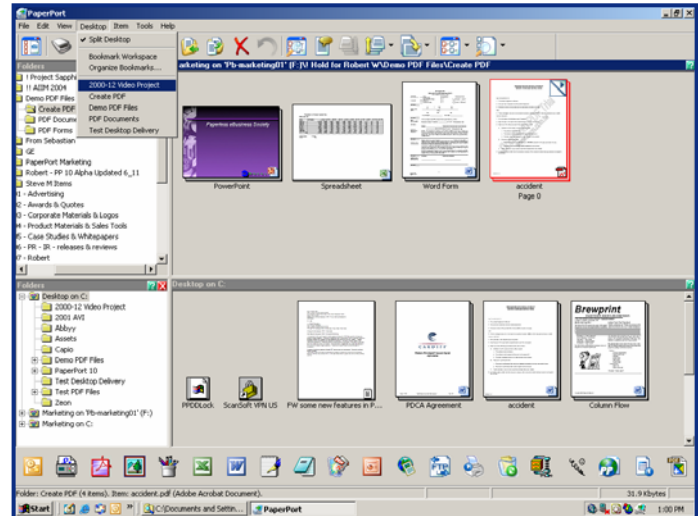
KEY FUNCTIONS & FEATURES:

- **Scanning & Camera Capture**:
  - TWAIN & WIA Scanning
  - Digital Camera Capture
  - One Click ScanDirect™
  - Scanner Wizard
  - ISIS Scanning
  - DesktopDelivery from a Folder
  - DesktopDelivery from E-mail
- **Visual Desktop Features**:
  - Document Thumbnails for Most Files Types
  - Page Thumbnails on Desktop
  - PageViewer with Page Thumbnails
  - Back Button with Last Folders Used List
  - Properties Pane on Desktop
  - Split Desktop
  - Bookmark Workspaces
- **PDF Features**:
  - Create PDF Image Files From Any PC Application
  - Organize, Annotate & Assemble PDF Files from Any Source
  - Create PDF Files on the Desktop
  - ScanSoft PDF Converter Link
  - Create PDF Text and Image Files From Any PC Application
  - Create PDF 1.5 Files
  - Add Passwords to PDF Files
  - PDF Password manager
  - Includes PDF Create! 2
- **Document Assembly Features**:
  - Reorder, Cut, Copy, Paste and Delete Pages on the Desktop
  - Reorder, Cut, Copy, Paste and Delete Pages in PageViewer
  - Drag and Drop Pages To Workspace(s)

FIERY SYSTEM 8E OPTIONAL FEATURES

- Automatic PDF Conversion of Any Stacked Document
- Drag and Drop Insertion of any document within the pages of a PDF File One Click PDF Document Stacking of Any File Type
- Page Name Memory of Stacked Document

- **Search and OCR Features:**
  - Search for Document Title
  - Search for Text (OCR) with a Scanned Document
  - All-in-One Search
  - More Accurate Search Results
  - Faster Network Searches
  - Faster Network Indexing
  - Faster and Easier Input of Author, Keyword and Subject Meta-Data on Desktop
  - Scheduled Indexing with Index Manager
  - Document conversion using OCR w/format retention

FIERY ADVANTAGE:

- Extend Fiery functionality to desktops throughout the Enterprises with interactive document access and manipulation tools

CUSTOMER BENEFITS:

- Quickly Turn Paper into Organized Digital Documents
- A Better Way to Organize Documents on Your PC Desktop
- Easily Create PDF Files from Any File
- Assemble Scanned and Digital Documents with Drag & Drop Simplicity

FIERY SYSTEM 8E OPTIONAL FEATURES

EFI SECURE ERASE

To ensure optimal security, Government agencies and security-minded corporations sometimes require the complete removal of data from computer equipment. Often, simple file erasing and/or re-formatting does not entirely remove the data, and is therefore insufficient for security-conscious customers as data can be recovered intact with tools similar to Norton Disk Doctor.

The Fiery's new Secure Erase feature is designed to remove ALL traces of job data from the Fiery hard disk drive. At the instance of deletion, the space occupied by each job data file is overwritten three (3) times, eliminating the possibility of restoring the data to intelligible form. This option provides ISO-15048 Common Criteria security assurance to the connected Fiery 8e system, and is in certification with NIST.
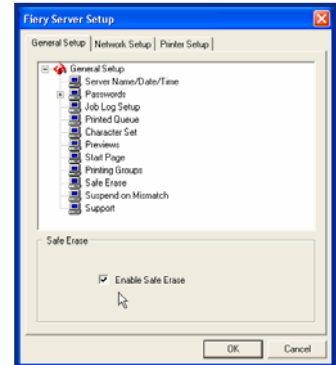
The user enables/disables the feature with the ON/OFF option in Fiery Setup (through either setup UI or LCD).

KEY FUNCTIONS & FEATURES:

- Removes all evidence of data existence
- Overwrites data three times
- ISO-15048 Common Criteria compliant

FIERY ADVANTAGE:

- Satisfies growing IT demand for secure file deletion
- Meets Government security demands
- Works in a Job by Job basis

CUSTOMER BENEFITS:

- Optional Secure Erase provides a high level of document security on the Fiery
- Users can trust submitting confidential documents to the Fiery and that it will be impossible to recover the job once deleted
- This feature is highly valued at industry segments like Government, Military, and large corporations
- Removes all traces of deleted print files stored on the Fiery hard drive automatically.
  - Overwrites the Deleted File Location Multiple Times.
  - Provides ISO-15048 Common Criteria Security Assurance.
    - In Certification with NIST.

FIERY SYSTEM 8E OPTIONAL FEATURES

REMOVABLE HARD DRIVE

For maximum hard drive security, some Government and Corporate IT organizations require data to be stored on removable hard drives so that they can be locked up and secured when not in use.

The Fiery Removable Hard Drive Option provides the user with the ability to both, lock the server drive(s) into the system for normal operation and the ability to remove the drives to a secure location after powering down the server.

For technical reasons, the kit content for Q-Series is different than the one for S-Series. Please refer to product documentation.

A Service Call is required to install this kit.

Two Kits are available:

- S-Series an Q-Series products
    - The Q-Series Kit is not compatible with Q4000 products
    NOTE: For pricing, current ordering codes and availability please contact your EFI Sales Development Manager

KEY FUNCTIONS & FEATURES:

- Lock server drive(s) into the system for normal operation
- Remove the drives to a secure location after powering down the server

FIERY ADVANTAGE:

- Meets security requirement for removable data

CUSTOMER BENEFITS:

- Files on hard disk can be stored under any secure condition required

FIERY SYSTEM 8E

APPENDICES

Please choose one of the following sales tools included in the System 8e Sales Kit to gain further knowledge and for specific tools to help you close sales.

Competitive Advantages

Quick reference document detailing the strengths of Fiery System 8e including specific features to highlight in the sales process

Features Advantages & Benefits Quick Reference

Consolidating all of the Key Functions & Features, Fiery Advantages and Customer Benefits for all of the features covered in this document in a quick reference table

Fiery First – Embedded or External

An overview of Fiery controller and server solutions that will help you and your customers decide that right Fiery for the job

Selling the Power of Fiery Systems into Markets

An in-depth reference guide focused on ping to sell Fiery solutions in vertical markets with a wealth of market data, market overview and an explanation of Fiery strengths in that specific market

About EFI

EFI®, (www.efi.com) is the world leader in digital imaging and print management solutions for commercial and enterprise printing. EFI's award-winning technologies offer document management tools from creation to print, including high fidelity color and black and white Fiery® print servers that can output up to 2000 pages per minute; powerful production workflow and print management information software solutions for increased performance and cost efficiency; and an array of business-critical enterprise and mobile printing solutions. EFI maintains 25 offices worldwide.

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