



# NEWS BOX

News Box Vol. 14



**SCREEN**  
MEDIA TECHNOLOGY



# A New Level of Workflow Management

WORKFLOWS HAVE REACHED A NEW LEVEL. IMPROVING THROUGHPUT IS NO LONGER SIMPLY A MATTER OF INCREASING PRODUCTIVITY AND REDUCING COSTS IN EACH INDIVIDUAL STEP OF THE PRODUCTION PROCESS;

THE ENTIRE PROCESS MUST BE REEXAMINED. WHAT PRINTERS NEED TODAY IS AN INTEGRATED WORKFLOW SYSTEM IN WHICH BOTH PRODUCTION AND MANAGEMENT ARE PART OF A COLLABORATIVE NETWORK THAT MAKES IT EASIER TO FIND AND ELIMINATE BOTTLENECKS.

THIS ISSUE OF NEWS BOX DISCUSSES A NEW TOOL THAT WILL HELP BUSINESSES IN THE GRAPHIC PRODUCTION INDUSTRY IMPROVE WORKFLOW EFFICIENCY AND ACHIEVE MAXIMUM THROUGHPUT. KNOWN AS JDF, THIS NEW TOOL IS POISED TO GENERATE A PARADIGM SHIFT IN THE WAY PRINTERS DO BUSINESS. THIS ISSUE ALSO DISCUSSES SEVERAL NEW PRODUCTS THAT ARE SURE TO BE AN ASSET TO ANY WORKFLOW. READ ON TO DISCOVER MORE ABOUT JDF AND HOW SCREEN CAN HELP YOU INCREASE PRODUCTIVITY WHILE REDUCING COSTS.

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### 1 A JDF-Based Business Solution Concept for Automated Print Management

### 4 New Product Information

- PlateRite 4100
- PlateRite 8100
- PlateRite Micra
- GenaScan A1

This issue of News Box was output on a PlateRite 8600 using AM/FM hybrid Spekta screening.

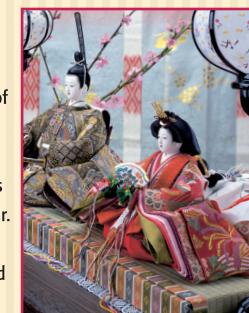
## About the Cover

This cover is the third in our series featuring traditional Japanese arts and crafts. Spekta screening has been used to achieve this remarkable reproduction of a pair of *Hina Ningyoh*, traditional Japanese dolls set out for girls during the *Hina Matsuri*, or Doll Festival, which takes place each year on March 3.

Traditionally, *Hina Ningyoh* such as the pair shown here were part of a larger, multi-tiered display that included peach blossoms and several attendants, musicians, and guards, as well as furniture and even an oxcart and a palanquin. In recent years, however, simpler pairs of dolls with decorative peach blossoms, such as those shown in the photograph, have become more common.

This photograph of *Hina Ningyoh* illustrates many of the strengths of Spekta screening. Notice the crisp, moiré-less reproduction of the doll's highly-patterned, traditional outfits. The rich colors – including the golds – are reproduced beautifully, as is the texture of the hair.

We hope this remarkable reproduction communicates some of the charm of this centuries-old Japanese tradition.



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# The JDF Marketplace

# The Industry's

# Resource for JDF-Enabled Products Available

First Edition  
March 2004

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CIP4  
Organization



## JDF Marketplace

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### Please Note:

*This sample document was produced for the purpose of demonstrating JDF capabilities at JDF Parc at drupa 2004, and only contains a small representation of the actual JDF Marketplace listings.*

*For a complete version of JDF Marketplace, (First Edition, March 2004) please visit the CIP4 website at: <http://www.cip4.org/>*

***Disclaimer:*** *The product and services information provided herein are reproduced as submitted by the companies responsible for those products and services without edit. The CIP4 Organization does not guarantee or warranty the accuracy or validity of the information contained in the JDF Marketplace. All members of CIP4 may submit listings for inclusion in the JDF Marketplace via the members-only section of www.cip4.org, and inclusion of products and services information in the JDF Marketplace does not constitute an endorsement, recommendation, or warranty of any type by the CIP4 Organization. This information is provided as is for the benefit of CIP4 members and the printing and publishing markets as a whole.*



## JDF Marketplace

Dear JDF Marketplace Reader:

Since early 2001 over a hundred of the leading providers of graphic arts systems, software, and equipment have been developing the Job Definition Format (JDF) specification and JDF-enabled products and services. It's been a lot of work, and these systems, software, and equipment providers have made a huge investment, probably not less than \$500,000,000. Since early 2003 these products and services began hitting the market, but it is this year that we are seeing a flood of JDF-enabled products and services and users implementing, or at least planning on implementing, JDF-enabled workflows.

But where can printers, prepress services, publishers, and other users go to find the JDF-enabled products and services they need? Currently, the usual industry directories, catalogs, and references do not clearly identify what is JDF-enabled and what is not; hence, the *JDF Marketplace*.

The *JDF Marketplace* will be published quarterly as a PDF document optimized for screen and desktop printing. Each quarter the latest edition of the *JDF Marketplace* will be posted to [www.cip4.org](http://www.cip4.org). Several trade associations will also be distributing the *JDF Marketplace* directly to their members each quarter.

The CIP4 Organization expects to publish the *JDF Marketplace* only until public and commercial references provide sufficient information about JDF-enabled products and services or until the question becomes not what is JDF-enabled, but rather what is not JDF-enabled! That day is rapidly approaching, but in the meanwhile, and on behalf of everyone at the CIP4 Organization, we hope that you will find this edition of the *JDF Marketplace* to be a helpful and informative resource.



Sincerely,

Martin Bailey  
CEO, CIP4 Organization &  
Senior Technical Consultant,  
Global Graphics Software, Ltd

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## JDF Marketplace

# ABOUT CIP4 AND JDF

## Introduction to CIP4 and JDF

The International Cooperation for the Integration of Processes in Prepress, Press, and Postpress Organization or “CIP4” is a not-for-profit association. Based in Switzerland, CIP4 has no regular offices; it is a global organization with representatives from many countries.

Currently CIP4 has approximately 210 members, and its membership is constantly growing with two or three new members joining every month. CIP4 has approximately 20 technical and administrative working groups that “meet” as often as weekly via WebEx Internet conferencing services. There are approximately six face-to-face meetings every year at locations around the world, including the annual member meeting, held in conjunction with GraphExpo.

### The CIP4's History

CIP4 was formed in early 2001. Its predecessor, CIP3, was formed by Heidelberg and was managed by the Fraunhofer Institute for Computer Graphics. CIP3 created the Print Production Format or “PPF,” which has found some success in ink key pre-setting and postpress operations. The PPF format was written in a proprietary format and CIP3 was considering the move to XML at the time. In the meanwhile, Adobe, Heidelberg, Agfa, and MAN Roland, sometimes referred to as the “gang of four,” put together an XML-based job ticket called JDF and they asked CIP3 to take over stewardship of the specification, provided that CIP3 would reorganize as a public not-for-profit entity open to all, which it did.

Adobe’s Portable Job Ticket Format (PJTF) was another early attempt at creating a method for exchanging print metadata, as was the Graphic Communications Association’s Industry Architecture Project and IFRA’s ifraTrack. Each metadata program had its own unique failings and lessons learned; hence, JDF is not a “first attempt,” but rather builds on the experience gained from all of these efforts:

1. Embedding metadata into production files and/or PostScript (PJTF and ifraTrack) isn’t going to work for many reasons: the least being that front-end systems cannot handle the size and volume of production files.
2. Metadata must be typed and structured so that it can move from data store to data store (IAP)
3. The basic language needs to be XML because it is open and also widely used by programming tools (all)
4. The environment that JDF is developed in must be a public and open environment (all)

In fact, PJTF and PPF are “mapped” into JDF — in the JDF document you will find appendices that provide explicit instructions for moving from PJTF or PPF to JDF.

Once the “Gang of Four” transferred the specification to the new CIP4 organization in 2001, JDF 1.0 was published. It was not possible to implement JDF 1.0, rather it served as a “straw man” document that members of CIP4 could shape, change, and improve ... it was a starting point. JDF 1.1 and 1.1a were published in April and October of 2002. Significant changes were made in the specification and accompanying schema and most of the equipment that you see on the market today is built to JDF 1.1 and 1.1a. JDF 1.2 is expected to be formally published in April.

### JDF Overview

JDF is managed in four simple tiers: Working Groups development, Technical Steering Committee (TSC) review, specification editing and maintenance, and schema maintenance and reconciliation to the specification. The Working groups, such as “Prepress” or “Digital Printing” discuss and agree to changes that are pertinent to their area. These changes are submitted to the TSC, which is responsible for reviewing and approving all changes to the specification. The TSC is charged with settling issues that arise between working groups and ensuring that the overall architecture of the JDF specification and schema remain sound. Approved changes are then submitted to the Managing Editor who is charged with integrating changes to the document. Finally, a technical specialist is responsible for implementing the approved changes to the schema and ensuring that the schema is reconciled to the specification itself.

JDF is based in the Extensible Markup Language (XML), but not entirely. XML was selected as the underlying standard language for JDF because it is already a widely recognized language and is a standard. The application programming interfaces for programming languages such as Java, C+ and .NET all support XML directly and there are many XML tools, databases, and so on readily available on the market. XML has found a niche and is widely used for communicating content between back-office systems and web servers.

XML provides rules of syntax and default data types; however, XML alone is not enough. XML does not require that a document type definition or schema be defined against which “instances” of XML can be checked or “validated.” Validation is critical to many types of applications, especially where data is going to be imported into a database (as in the databases behind your workflow and MIS systems.) JDF is based on the Worldwide Web Consortium’s (W3C) XML Schema Recommendation. By using a schema, JDF allows for validation (think preflighting, but for metadata) and allows CIP4 to create user defined data types, (ex., “Rectangle” or “Matrix” as used in transforms, or “NamedColor”).

The JDF Specification also provides specifications for file naming (e.g., URL/URI usage for hot folder exchange) and methods for packing JDF and content files together in MIME Multipart Messages. Both make use of the hypertext transmission protocol (HTTP), which also assumes TCP/IP networking. The selection of a networking protocol and method of exchange are just as important to your process automation program as is the XML component of JDF.



## JDF Marketplace

The JDF Specification is freely available to the public as is the JDF schema at [www.cip4.org](http://www.cip4.org). The public schema covers all the requirements of our very flexible environment. In practice, you may want to create a subset of the schema that only uses the components that correspond to your workflow.

No single device (i.e., printer, press, imagesetter, etc.) is likely to implement all that the JDF specification provides for. For instance, if you are in the digital printing business, you may not care to facilitate data on hard case binding. A RIP need not facilitate JDF preflighting. A Stitcher probably doesn't need to handle image rendering data. To specify exactly what individual classes of devices need to do with JDF, CIP4 members are developing "Interoperability Conformance Specifications" (ICS) that will provide the standard for individual classes of devices. ICS documents will later be used as the basis for certification testing. CIP4 has signed on GATF as the first certification testing facility and others will be added in Europe and Asia. Once the certification program begins, you will start seeing products labeled as "JDF Certified" and this will be to a specific ICS document. The ICS documents are all currently in draft form and only in circulation among members of CIP4. Once published, like the standard, they will be freely available to the public.

### The Three Main Functions of JDF

Conceptually JDF has three main functions. First, it provides a single common language that supports the lifecycle of a print job. This is what people mean when they refer to JDF as a "Job Ticket" language, but it is much more than that. The second function is to provide a command and control language for devices on the shop floor. This aspect of JDF is called the Job Messaging Format or "JMF" and many folks talk about JMF almost as if it is a separate specification, but it is integral to JDF. JMF allows the controlling workflow or MIS system in a process automated environment to tell a device to start and stop jobs, reorder the queue, and so on. Finally, there is inherent in JDF a flexible methodology for constructing workflows and providing the command, control, and configuration of plant automation and job production. Several improvements made to JDF 1.2, which include:

- Adding Preflighting functionality
- Improving JMF messaging
- Tightening the specifications for file naming and using MIME encoding
- Adding quality control and color management functionality
- Adding "Device Capabilities"

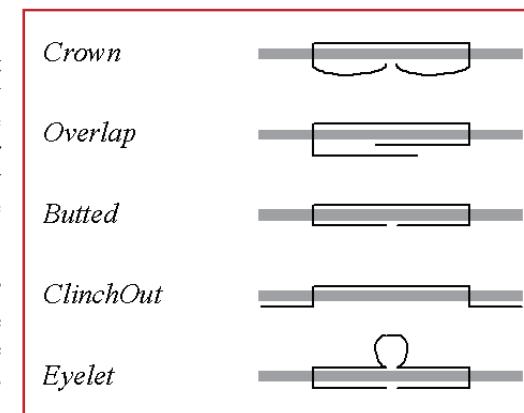
There may be a fourth main function, which is new to JDF 1.2 and that is automating the handshake, which is accomplished with the new device capabilities functionality. For instance, in JDF there are five staple folds that a stitcher may use. If a new stitcher is added to your JDF workflow, the governing workflow or MIS system must know which of those five folds the new stitcher supports. Communicating the set of JDF elements and attributes supported by a device to the MIS system or workflow system is creating the "handshake."

Currently, printers must make this reconciliation or "handshake" themselves or with the help of their vendors and/or consultants. Some groups, such as Networked Graphic Production (NGP) or Print City, are constructing the handshakes between devices of participating companies so that, if you buy from one of the companies in one of these groups, you'll have some assurance that the handshakes have been established and the devices among the partners have been pre-integrated.

Device capabilities in JDF 1.2 allows for 1.2 capable devices to be automatically queried for the details of what aspects of JDF they can and cannot manage. This is an important step towards total "plug-n-play" interoperability, but it may be a year or more before there are enough JDF 1.2 products on the market for buyers to specify and rely on this automated handshake functionality.

### The Role of JDF as a "Job Ticket Format"

The analog version of a job ticket may be an envelope or folder with routing information that contains instructions and specifications about a job. It may start in sales with the purchase and customer information and progress through estimating, scheduling, and into production, and through the shop floor. As each employee does their part, they sign off on work completed and the job ticket moves on. JDF provides a digital method for accomplishing the same functions. Like analog job ticket, it may begin with metadata about the job provided by the customer or gleaned from sales. This customer "intent" information may not be enough to drive the production process and it must be added to. The customer may specify "80 lbs. offset matte white," but in estimating your staff will add a brand name and perhaps confirm availability and the actual quantity of sheets or rolls you'll need to print the job, to include overage to account for inter-process spoilage and so on.



JDF Staple Folds

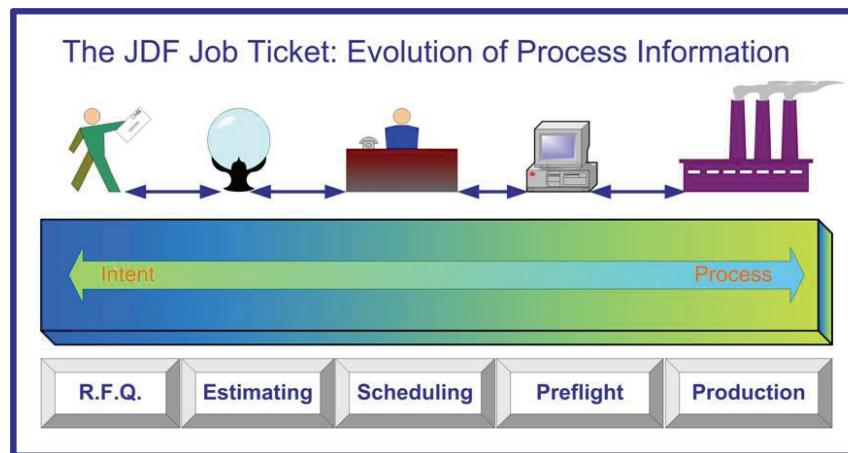


## JDF Marketplace

Likewise, in JDF there are two basic categories of job input data and materials: Intent and Process. Customer intent is preserved but process data is added as the job progresses through its life cycle until the job can (and is) processed; hence, to use JDF does not mean that you must collect all data about a job upfront, you can add data to a JDF instance (e.g., a single “job ticket” or JDF “document”) throughout the lifecycle of a job and the data does not all have to be keyed in either. Part of the idea behind JDF is to preserve

job metadata at its point of entry in order to eliminate re-keying and its inherent problems of miscommunication, redundancy, and confusion. Some of the likely sources of JDF metadata include:

- **Customer files and metadata** — The customer’s own files may be a source of metadata that can be extracted automatically. They also may be using JDF-enabled tools that will pass along JDF data.
- **JDF-enabled preflight software** — Several of the most prominent preflight software companies are adding the ability to provide JDF data derived from preflighting functions.
- **Customers entry via your company’s website or via an e-commerce partner** — If you are using PrintTalk-based ecommerce tools or services, you may already have JDF data available to you and you don’t even know it.<sup>1</sup>
- **Defaults and presets on your own equipment** — Several production specifics may be established as systems defaults. For instance, you may establish one staple fold as the default, knowing that others are rarely used.
- **Job “profiles” and defaults set in your “MIS systems”** — You may have predefined job types that can be used to fill in many of the blanks, particularly if you focus on jobs with similar attributes such as printing paperback books. Once established for one job, you can focus on what is unique for each job.
- **Direct entry** — The method of last choice is to provide direct entry for operators.



Although some companies may literally use JDF as “tickets” in that they maintain a single file for a job and keep adding to it, in most cases the “job ticket” is a virtual construct maintained in a database within the software that controls your workflow. At its heart, JDF is an exchange format for use between systems. When a workflow system wishes to drive a device on the shop floor it need only prepare and deliver a JDF instance with the specifics for that particular step of the process.

So JDF is more than a job ticket, it is really a standard language for preserving job data throughout the lifecycle of a print job. In fact, two of its important functions are providing for the collection of both quality control (Q.C.) data as well as audit information about each process (i.e., start time, operator/shift, errors/waste, end time, and so on.) Since audit and Q.C. data is provided electronically and directly from devices, it can be used to troubleshoot the difference between actual and estimated costs, bottlenecks in the workflow, and automatic adjustments to inter-process coverage, plus it can be used to improve management’s overall view of production to help them plan improvements, maximize resource allocation, and provide customers with better job information.

## The Role of the “MIS” System

The term “MIS” system, as used in the JDF specification, is a bit a misnomer. MIS stands for “Management Information System,” a term in the 1960s that meant a reporting system that later in the 1970s and 1980s grew to incorporate accounting, billing, inventory, and other disparate management oversight functions. “MIS” as used in JDF is for the most part meant to cover workflow and production management systems — the business and production functions that one would expect to incorporate in a process automation project — and in our industry there are a variety of sizes and types of MIS systems ranging from enterprise-wide systems that may incorporate management reporting, accounting, and so on, to departmental workflow systems that may only control prepress operations.

At its most basic, these systems must be able to accept JDF input and decompose the JDF and store the data in its internal database, and they must be able to compose JDF from its database for output. (Beware of one-way workflow systems — in the long-term, systems that take in JDF, but cannot output JDF may prove to be roadblocks to your process automation program.) This requirement implies that these systems must be able to read and validate JDF as well as write and validate JDF.

<sup>1</sup> PrintTalk Schema’s make use of JDF and JDF incorporates several PrintTalk objects, including support for Request for Quote, Quote, Purchase Order, Order Confirmation, Cancellation, Refusal, Order Status Request, Order Status Response, Proof Approval Request, Proof Approval Response, and Invoice transactions. Also see [www.printtalk.org](http://www.printtalk.org).



## JDF Marketplace

As you may recall, validation is the process of checking a JDF instance against the public JDF schema or a working subset to ensure that the rules of structure are adhered to. Some companies may integrate validation functions, while others may use a third-party tool. It's important to know that not any off-the-shelf XML schema validation tool can be used. In the JDF specification there are certain "if-then" conditions that an off-the-shelf generic validator will not be able to validate. If an output ICC color profile is associated to an image that is incorporated into a document file that also has an output ICC color profile, and those two profiles don't match, you and I know that the document's output color profile takes precedence and you may have to apply a transformation to the image. Conditions such as these are common to the graphic arts and in the JDF specification you'll see many cases where a default is established at one point if a certain value exists elsewhere in the JDF instance. JDF validators available from CIP4, Objective Advantage, and Adobe take these "if-then" conditions into account, as well as embedded systems that many vendors are building into their JDF "MIS" systems.

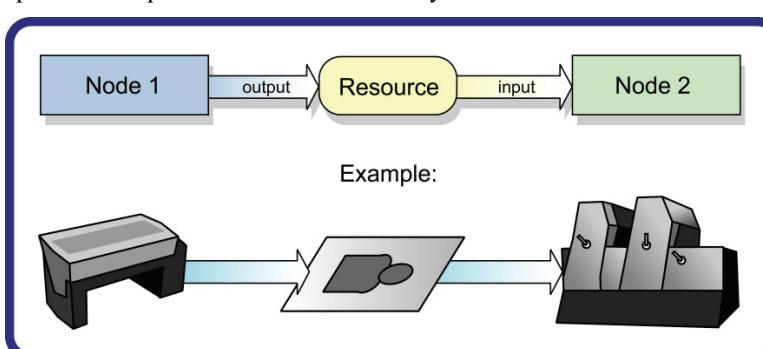
Your JDF MIS or workflow system must also be able to command the devices on the shop floor to act upon a job; after all that is one of the main objectives of process automation and computer integrated manufacturing. To provide this command and control, your JDF MIS or workflow system must understand, read, and write JMF (more on that below) and must be able to store and utilize the input and parameter requirements of each device in your workflow.

The most important requirement is that your JDF MIS or workflow system must be able to organize a JDF job. JDF uses a very "Lego-like" approach to workflow. The specification identifies approximately 80 separate processes individually to which you can associate several "resources." There are approximately 160 "resources" specified in JDF and they are the input and output materials and parameters (metadata) that can be associated to a process. In JDF workflows, the output of one process "node" is the input to the next; hence, the singular term "resource." Once all of the required inputs for a particular job are determined to be available by a system, the next process in your workflow can then proceed. For instance, the output of a platesetter is an image plate and that image plate is the input to a press. The press cannot begin operating until the plate is imaged. Even legacy systems with no on board computers and manual tasks can be managed this way.

There are several features in JDF that can be used optionally to accommodate even the most complex workflows. For instance, JDF allows for the spawning and merging of jobs. This feature may be used where several different signatures print concurrently on different presses, or a cover is printed concurrently and the pieces are assembled later in bindery. You can create "combined process" that act as one with one set of inputs and outputs in a pipeline. For instance, many digital printing devices consist of a combined RIP, printer, and finishing unit and yet there is only one set of inputs and outputs. A conventional printing is actually a combined process, in that you may have ink, paper, cutting, color measurement, and other processes running concurrently. An ink system may use a special variant of pipelining that incorporates maximum and minimum values — when the ink well or tank hits a lower level, the inking system goes off-line until it is refilled, and refilling may be defined as to hit a certain maximum quantity. These are options that you may want to be aware of when selecting a JDF MIS or workflow system.

Some vendors are providing options for JDF MIS and workflow systems such as middleware that can convert back and forth between JDF and legacy device controller languages. For instance, several of the major press manufacturers have been providing fairly automated presses for several years and such middleware will be important to making your transition from proprietary process automation languages to a JDF-enabled environment. Optionally, you may want your JDF MIS or workflow system to either include, or have bridges to, estimating, CRM, scheduling, inventory, management and customer reporting, accounting, billing, ecommerce, and ERP systems. For instance, an integrated paper inventory system may allow you to reduce inventory levels, minimize spoilage, and get closer to a "just in time" system.

Possibly the most important option to consider is your JDF MIS or workflow system's ability to handle extensions. Although the JDF specification provides a fairly exhaustive catalog of all the XML elements and attributes you may want to associate to each process and resource, it's doubtful that the specification incorporates every conceivable possibility. You may encounter vendors who have unique functions that require extensions to the JDF specification, and you may have even developed your own internal systems for dealing with customer or market specific data requirements and may find it useful to employ JDF extensions of your own.



Resources: Forming the Link Between Process "Nodes."



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Whereas a front-end system or device on the floor only needs to pass along an extension that it does not understand, a JDF MIS or workflow system must be able to understand and make use of extensions. If you add a device to your shop floor that requires a certain job parameter that is only available as a JDF extension, then your JDF MIS or workflow system can only drive that device if it can provide the required value for the extension, otherwise, it can never know when a job is ready to proceed in the workflow! Extensions are important, but should be used with caution. Your vendors should be able to provide you with documentation for extensions and CIP4 encourages both vendors and users to submit extensions for possible inclusion in the JDF specification.

## The Role of the Job Messaging Format

So far we've talked about JDF MIS or workflow systems and devices on the floor. The MIS or Workflow system acts as the *JDF agent* and it may communicate with and command a *controller*. The *controller* is an important concept in JDF. A device on the floor may have an embedded controller, the controller may be a separate physical device, or the controller may actually control more than one device. We have even seen a couple of "departmental" controllers enter the market that deal with all the devices in a department (ex., Postpress).

The language used to communicate between JDF agents and controllers is the Job Messaging Format or "JMF." JMF is part of the JDF specification. JMF also is built in XML and is part of the JDF schema. JMF allows a controller to communicate to a JDF MIS or workflow system information such as events (start, stop, error), status (available, offline, stalled, etc.), results (count, waste, etc.) and other details such as who the current operator is.

A controller may also "register" with a JDF MIS or workflow system, letting it know it is available, and where a controller controls multiple devices, it can provide registration information for the devices it supports. Note: This is information like make and model and is not a substitute for device capabilities as described above.

An MIS or workflow system may use JMF to command devices on the shop floor and may even be able to change the order of jobs in the queue. JMF messages may also be unidirectional (the MIS system provides the commands, but the controller does not respond) or bidirectional. Determining what JMF options will be required of your process automation strategy is an important part of creating an effective JDF equipment buying policy. JMF can also be used by one controller to provide commands to another controller. This is an important feature for supporting combined process and pipelining as described above.

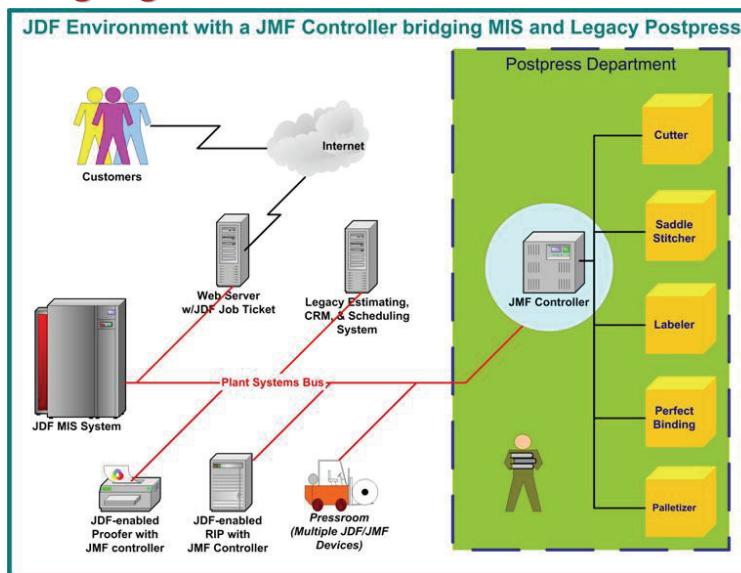
## Strategies for Implementing JDF

The first step towards process automation and JDF implementation is to make someone responsible for developing a strategy and overseeing implementation. You should also be sure that you have the support of senior management and the availability of departmental heads and key employees in the planning and implementation program. It is also recommended that you involve select customer representatives and vendors in your team.

In the case of vendors, you will want to learn what your current vendor's JDF implementation plans are. What products (that you already own) will include JDF-enabled upgrades? Will those upgrades be automatic or are they paid for options? What about extensions?

Document your current environment and compare your vendor's upgrade path to equipment and systems on the shop floor. Are there any holes? Are you working with vendors that don't have timely JDF implementation plans, or products that will be un-supported in the future? Do you have custom built systems that may require JDF functionality? Or perhaps you need a middleware to communicate between some legacy devices and your JDF systems? Do any of your vendors provide such middleware?

Enterprise-wide JDF implementation is probably not achievable in the short-term and odds are you'll need to figure out how to phase JDF in to your operations over the course of a few years. The key to success is capturing a return on your investment as soon as possible. Every company will have different priorities and different situations. Consider what customer niches or production lines, or departments, or plants (for the big companies) are due for capital replacement or are in the greatest need for improvement. Also consider your company's objectives and where it is most likely





## JDF Marketplace

to realize a return in the short-term. By focusing on a quick return from a limited implementation, you will benefit from the experience and learn to maximize your return as you approach enterprise-wide implementation.

Profecutus did a study in 2002 of the potential benefits of implementing process automation and found that a \$10 million per year printer could realize positive benefits to the tune of \$1.2 to \$5 million dollars over a five year period. Those savings may include:

- **Web Interface** — By implementing a web interface for both the purchasing of printing and for the communication of job information, you can capture customer data and reduce data re-keying and more cost effectively communicate with customers.
- **Improved Communications** — By implementing JDF you may be able to reduce miscommunications between customers and your staff, as well as between departments, resulting in less re-work, delays, and lost jobs.
- **Increased Customer Satisfaction** — By improving communications and providing customers with more timely and accurate job information, you may be able to improve customer retention.
- **Improved Productivity** — You may be able to eliminate some labor, balance loads across resources, and flush out bottlenecks in your workflow, resulting in greater productivity.
- **Reduced Waste** — You may be able to minimize overages, actual waste, and inter-process waste by getting better real-time counts and usage date throughout each step of the workflow and for each job.
- **More Accurate Billing** — With a JDF-enabled workflow you can better handle (respond to, estimate, and bill for) customer variation from job specifications and provide customers with bills that are more accurate, resulting in quicker payment and fewer disputed charges.

What your priorities are and how the above will impact your company will vary from company to company. Certainly, some companies have implemented a degree of process automation with proprietary systems, and in the short-term, less will be gained in those areas; however, in the long-term, maintenance and support for proprietary systems will become a burden compared to maintenance and support for JDF-enabled systems — one of the universal advantages of having a common language for all devices in our industry! The situation is similar to the move to CTP. If you were already accepting digital files from customers and outputting imposed film, the move was easy and the gains relatively marginal compared to companies that were still using process cameras and stripping film ... they had much farther to go and more to gain from the change.

Once you've established your priorities and objectives for your return on investment, don't forget to establish how you will measure and evaluate success. Finally, prepare a purchasing policy and acceptance criteria that you can apply to JDF purchases ... buy smart!

## Where to find JDF Tools & Resources

There are several free and publicly available resources on that can be found at [www.cip4.org](http://www.cip4.org), including a CheckJDF application and a JDF Editor, as well the specification and schema. And of course there is this *JDF Marketplace* resource, which includes information on products of all types, as well as information on development tools, consulting services, and educational programs and training. Check the CIP4 website for new editions of the *JDF Marketplace*, as it is published quarterly.

You can also sign-up at [www.cip4.org](http://www.cip4.org) for a free JDF Bulletin — an informational email newsletter that includes updates on changes and developments, product announcements, case-studies, and articles written by members of CIP4.

CIP4 membership for users (Printers, publishers, buyers, consultants, and prepress services) is only \$150 per year per company and all of your staff can gain access to member-only material, including access to email forums and working groups, sample code, an archive of documents and email messages, and the JDF programmers API (for you do-it-yourself types.) The forums provide a great resource where you can get answers to technical questions.

CIP4 in conjunction with the International Prepress Association offers a 13 session JDF Expert Certificate program. This program is optimized for technical staff and management at printing, prepress, and publishing companies and is taught via the Internet in both live and streaming (recorded) versions. For more information see [www.ipa.org/jdf/](http://www.ipa.org/jdf/)) Don't forget to ask your vendors (including your distributors) about technical support and training they may be able to provide. Several vendors are providing seminars around the globe on JDF topics. Also, the Graphic Arts Technical Foundation ([www.cip4.org](http://www.cip4.org)) and the Fraunhofer Institute for Computer Graphics (contact Stefan Daun at [Stefan.Daun@igd.fhg.de](mailto:Stefan.Daun@igd.fhg.de)) have various JDF programs or studies and may be able to provide additional support.



## JDF Marketplace

# JDF-ENABLED PRODUCTS

### Creative

#### Best Designer Edition M for HP

**Company:** EFI

**Product Version:** v2.5.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com) / [www.hp.com](http://www.hp.com)

**Description:** »Easy-to-use« and out of the box« proofing solution to enable Mac OS X users to create color-accurate continuous-tone contract proofs on Hewlett Packard DOD inkjet printers. Best Designer Edition M for HP supports Hewlett Packard DOD inkjet printer up to A2. These are the DesignJets 10ps, 20ps, and 50ps.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- Object-oriented color management.
- 3-phase definable RIP resolution = faster calc.
- PDF/X1 and PDF/X1a support.
- Spot color handling.

Date of Information: 1/26/2004 5:02:56 PM

#### Best Designer Edition XL for HP

**Company:** EFI

**Product Version:** v2.5.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com) / [www.hp.com](http://www.hp.com)

**Description:** »Easy-to-use« and out of the box« proofing solution to enable Mac OS X users to create color-accurate continuous-tone contract proofs on Hewlett Packard DOD inkjet printers. Best Designer Edition XL for HP supports Hewlett Packard DOD inkjet printer up to 24 inch. These are the DesignJets 10ps, 20ps, 50ps, 120, 120m and 800.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- Object-oriented color management.
- 3-phase definable RIP resolution = faster calc.
- PDF/X1 and PDF/X1a support.
- Spot color handling.

Date of Information: 1/16/2004 2:41:55 PM

#### EFI Best Designer Edition™ M

**Company:** EFI

**Product Version:** v3.0.1

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** »Easy-to-use« and out of the box« proofing solution to enable Mac OS X users to create color-accurate continuous-tone contract proofs on DOD inkjet printers. Best Designer Edition M supports DOD inkjet printer up to A2.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- Object-oriented color management.
- Full PDF/X1, PDF/X1a, PDF/X3 support.
- Spot color support (HKS, Toyo, Pantone PC).
- 3-phase definable RIP resolution = faster calc.
- Nesting functionality.

Date of Information: 1/26/2004 10:44:24 AM

#### EFI Best Designer Edition™ XL

**Company:** EFI

**Product Version:** v3.0.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** »Easy-to-use« and out of the box« proofing solution to enable Mac OS X users to create color-accurate continuous-tone contract proofs on DOD inkjet printers. Best Designer Edition XL supports DOD inkjet printer up to 24 inch.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- Object-oriented color management.
- Full PDF/X1, PDF/X1a, PDF/X3 support.
- Spot color support (HKS, Toyo, Pantone PC).
- 3-phase definable RIP resolution = faster calc.
- Nesting functionality.

Date of Information: 1/26/2004 10:32:37 AM

#### EFI Best Photo Edition™ M

**Company:** EFI

**Product Version:** v3.0.1

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** »Easy-to-use« and »out of the box« photo solution for RGB output enabling Mac OS X users to create color-accurate printouts using the full gamut of the printer, but also color-accurate continuous-tone contract proofs on DOD inkjet printers. Best Photo Edition M supports DOD inkjet printer up to A2.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- RGB to CMYK color conversion.
- RGB workflow.
- Tiff export.
- Contact sheet.
- Full PDF/X1, PDF/X1a, PDF/X3 support.

Date of Information: 1/26/2004 10:47:08 AM

#### EFI Best Photo Edition™ XL

**Company:** EFI

**Product Version:** v3.0.1

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** »Easy-to-use« and »out of the box« photo solution for RGB output enabling Mac OS X users to create color-accurate printouts using the full gamut of the printer, but also color-accurate continuous-tone contract proofs on DOD inkjet printers. Best Photo Edition XL supports DOD inkjet printer up to 24 inch.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- RGB to CMYK color conversion.
- RGB workflow.
- Tiff export.
- Contact sheet.
- Full PDF/X1, PDF/X1a, PDF/X3 support.

Date of Information: 1/26/2004 10:33:00 AM



## JDF Marketplace

### EFI Best PhotoXposure™ M

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** Best PhotoXposure is the color management and workflow solution for digital photographers with heavy workloads. The software separates your picture data into CMYK color data and simulates the later printing press result (proof). Also the production of your pictures in editions of small numbers of copies is possible while using the maximum possible color spectrum your printer offers. The integrated production tools support the scaling, rotating, and cropping of your pictures. Also oversized banners and posters are possible - Best's tiling feature lets you separate the final image into multiple smaller pieces that you can join at a later time without any problem. The nesting feature represents a way of printing multiple pictures by saving maximum space on your paper. Best PhotoXposure XXL supports DOD inkjet printer up to A2.

**Pricing:** n/a

**Features:**

- Separation+proofing solution for digital photog.
- Converts camera data (RGB) into print data (CMYK) and exports TIFF (RGB or CMYK).
- RGB workflow.
- PS-RIP with original Adobe PostScript 3™
- Production and nesting tools.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:13:15 PM

### EFI Best PhotoXposure™ XL

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** Best PhotoXposure is the color management and workflow solution for digital photographers with heavy workloads. The software separates your picture data into CMYK color data and simulates the later printing press result (proof). Also the production of your pictures in editions of small numbers of copies is possible while using the maximum possible color spectrum your printer offers. The integrated production tools support the scaling, rotating, and cropping of your pictures. Also oversized banners and posters are possible - Best's tiling feature lets you separate the final image into multiple smaller pieces that you can join at a later time without any problem. The nesting feature represents a way of printing multiple pictures by saving maximum space on your paper. Best PhotoXposure XL supports DOD inkjet printer up to 24 inch.

**Pricing:** n/a

**Features:**

- Separation+proofing solution for digital photog.
- Converts camera data (RGB) into print data (CMYK) and exports TIFF (RGB or CMYK).
- RGB workflow.
- PS-RIP with original Adobe PostScript 3™
- Production and nesting tools.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:13:29 PM

### EFI Best PhotoXposure™ XXL

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** Best PhotoXposure is the color management and workflow solution for digital photographers with heavy workloads. The software separates your picture data into CMYK color data and simulates the later printing press result (proof). Also the production of your pictures in editions of small numbers of copies is possible while using the maximum possible color spectrum your printer offers. The integrated production tools support the scaling, rotating, and cropping of your pictures. Also oversized banners and posters are possible - Best's tiling feature lets you separate the final image into multiple smaller pieces that you can join at a later time without any problem. The nesting feature represents a way of printing multiple pictures by saving maximum space on your paper. Best PhotoXposure XXL supports DOD inkjet printer up to 60 inch.

**Pricing:** n/a

**Features:**

- Separation+proofing solution for digital photog.
- Converts camera data (RGB) into print data (CMYK) and exports TIFF (RGB or CMYK).
- RGB workflow.
- PS-RIP with original Adobe PostScript 3™
- Production and nesting tools.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:13:44 PM

### EFI Designer Edition M for HP

**Company:** EFI

**Product Version:** v4.0

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com) / [www.hp.com](http://www.hp.com)

**Description:** Introduced at drupa 2004. »Easy-to-use« and out of the box« proofing solution to enable Mac OS X and Windows users to create color-accurate continuous-tone contract proofs on Hewlett Packard DOD inkjet printers. EFI Designer Edition M for HP supports Hewlett Packard DOD inkjet printer up to A2. These are the DesignJets 10ps, 20ps, 50ps and the new hp designjet 30.

**Pricing:** n/a

**Features:**

- Cross platform - Mac and PC.
- Integrated ICC color management.
- Internal PS-RIP, original Adobe PostScript 3™
- Object-oriented color management.
- 3-phase definable RIP resolution = faster calc.
- Full PDF/X1, PDF/X1a, PDF/X3 support.
- Spot color handling.
- HP CMYK Plus

Date of Information: 1/26/2004 5:13:05 PM

### EFI Designer Edition XL for HP

**Company:** EFI

**Product Version:** v4.0

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com) / [www.hp.com](http://www.hp.com)

**Description:** Introduced at drupa 2004. »Easy-to-use« and out of the box« proofing solution to enable Mac OS X and Windows users to create color-accurate continuous-tone contract proofs on Hewlett Packard DOD inkjet printers. EFI Designer Edition XL for HP supports Hewlett Packard DOD inkjet printer up to 24 inch. These are the DesignJets 10ps, 20ps, 50ps, 120, 120rn, 800 (24 inch) and the new hp designjet 30 and 130.

**Pricing:** n/a

**Features:**

- Cross platform - Mac and PC.
- Integrated ICC color management.
- Internal PS-RIP, original Adobe PostScript 3™



## JDF Marketplace

- Object-oriented color management.
- 3-phase definable RIP resolution = faster calc.
- Full PDF/X1, PDF/X1a, PDF/X3 support.
- Spot color handling.
- HP CMYK Plus

Date of Information: 1/26/2004 5:15:28 PM

### EFI Designer Edition XXL for HP

**Company:** EFI

**Product Version:** v4.0

**Phone:**

**URL:** www.efi.com / www.bestcolor.com / www.hp.com

**Description:** Introduced at drupa 2004. »Easy-to-use« and out of the box« proofing solution to enable Mac OS X and Windows users to create color-accurate continuous-tone contract proofs on Hewlett Packard DOD inkjet printers. EFI Designer Edition XXL for HP supports Hewlett Packard DOD inkjet printer up to 24 inch and higher. These are the DesignJets 10ps, 20ps, 50ps, 120, 120rn, 800 (24 and 42 inch), 5500 and the new hp designjet 30 and 130.

**Pricing:** n/a

**Features:**

- Cross platform - Mac and PC.
- Integrated ICC color management.
- Internal PS-RIP, original Adobe PostScript 3™
- Object-oriented color management.
- 3-phase definable RIP resolution = faster calc.
- Full PDF/X1, PDF/X1a, PDF/X3 support.
- Spot color handling.

Date of Information: 1/27/2004 8:55:33 AM

### EFI Designer Edition™ M

**Company:** EFI

**Product Version:** v4.0

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** Introduced at drupa 2004. »Easy-to-use« and out of the box« proofing solution to enable Mac OS X and Windows users to create color-accurate continuous-tone contract proofs on DOD inkjet printers. EFI Designer Edition M supports DOD inkjet printer up to A2.

**Pricing:** n/a

**Features:**

- Cross platform - Mac and PC.
- Integrated ICC color management.
- Internal PS-RIP, original Adobe PostScript 3™.
- Object-oriented color management.
- Full PDF/X1, PDF/X1a, PDF/X3 support.
- Spot color support (HKS, Toyo, Pantone PC).
- 3-phase definable RIP resolution = faster calc.
- Nesting functionality.

Date of Information: 1/26/2004 5:16:59 PM

### EFI Designer Edition™ XL

**Company:** EFI

**Product Version:** v4.0

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** »Easy-to-use« and out of the box« proofing solution to enable Mac OS X and Windows users to create color-accurate continuous-tone contract proofs on DOD inkjet printers. EFI Designer Edition XL supports DOD inkjet printer up to 24 inch.

**Pricing:** n/a

**Features:**

- Cross platform - Mac and PC.

- Integrated ICC color management.
- Internal PS-RIP, original Adobe PostScript 3™
- Object-oriented color management.
- Full PDF/X1, PDF/X1a, PDF/X3 support.
- Spot color support (HKS, Toyo, Pantone PC).
- 3-phase definable RIP resolution = faster calc.
- Nesting functionality.

Date of Information: 1/27/2004 8:48:38 AM

### EFI Photo Edition™ M

**Company:** EFI

**Product Version:** v4.0

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** »Easy-to-use« and «out of the box« photo solution for RGB output enabling Mac OS X and Windows users to create color-accurate printouts using the full gamut of the printer, but also color-accurate continuous-tone contract proofs on DOD inkjet printers. EFI Photo Edition M supports DOD inkjet printer up to A2.

**Pricing:** n/a

**Features:**

- Cross platform - Mac and PC.
- Integrated ICC color management.
- Internal PS-RIP, original Adobe PostScript 3™
- RGB to CMYK color conversion.
- RGB workflow.
- Tiff export.
- Contact sheet.
- Full PDF/X1, PDF/X1a, PDF/X3 support.

Date of Information: 1/26/2004 5:18:44 PM

### EFI Photo Edition™ XL

**Company:** EFI

**Product Version:** v4.0

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** Introduced at drupa 2004. »Easy-to-use« and »out of the box« photo solution for RGB output enabling Mac OS X and Windows users to create color-accurate printouts using the full gamut of the printer, but also color-accurate continuous-tone contract proofs on DOD inkjet printers. EFI Photo Edition XL supports DOD inkjet printer up to 24 inch.

**Pricing:** n/a

**Features:**

- Cross platform - Mac and PC.
- Integrated ICC color management.
- Internal PS-RIP, original Adobe PostScript 3™
- RGB to CMYK color conversion.
- RGB workflow.
- Tiff export.
- Contact sheet.
- Full PDF/X1, PDF/X1a, PDF/X3 support.

Date of Information: 1/26/2004 5:18:24 PM

### Prinect Document Mastering

**Company:** Heidelberger Druckmaschinen AG

**Product Version:**

**Phone:**

**URL:**

**Description:** Prinect Document Mastering is a

**Pricing:**

Date of Information: 2/3/2004 10:00:58



## JDF Marketplace

### Front-Office

**Company:** EFI

**Product Version:** TBA

**Phone:**

**URL:** [www.efi.com](http://www.efi.com)

**Description:** Automates the print job order management process and enables print centers to leverage the Internet to communicate with their customers 24/7. Through a secure and fully customizable Web interface, customers can submit job orders online and track progress with real-time job status updates. Once orders are submitted, a range of digital tools streamline the in-shop workflow—from order receiving to remote proofing to approvals. Velocity Exchange captures and provides valid JDF “intent” job data and it is designed to integrate seamlessly with EFI’s full suite of Velocity™ workflow software, including Velocity OneFlow™ for pre-press and Computer-to-Plate (CTP) workflows, and Velocity Balance™ for digital print production workflows.

**Pricing:** n/a

**Features:**

- Automates the print job order management process
- Submit job orders online and track progress

### Exchange™

- Remote proofing and approvals

Date of Information: 1/21/2004 7:51:50 PM

### RiteOnline

**Company:** Screen

**Product Version:** V2.0

**Phone:**

**URL:**

**Description:** A powerful new online web browser based print ordering system that streamlines the ordering of print jobs and allows printers’ customers to procure customised documents or reprints at any time. The system provides ultimate control over the document customisation, print-ordering, and approval process. By reducing manual intervention, Riteonline reduces job cycle times, lowers costs and improves productivity. A turnkey software application which seamlessly integrates into Trueflownet workflow or works with other solutions using JDF/JMF messaging, Riteonline can be incorporated into existing operations very easily.

**Pricing:** n/a

Date of Information: 1/19/2004 4:39:40 PM

### Preflighting and Asset Transfer

#### Adobe PDF JobReady

**Company:** Adobe Systems Inc.

**Product Version:** 1.6

**Phone:** n/a

**URL:**

<http://www.adobe.com/products/pdfjobready/main.html>

**Description:** Adobe® PDF JobReady™ software enables print providers to offer streamlined, reliable, highly secure workflows based on Adobe Portable Format (PDF) that begin at their customers' desktops and extend across the Internet to the final output device. Customers can obtain faster, more accurate print and document delivery through an easy-to-use interface, while print providers are more fully able to utilize idle capacity, allowing for closer contact with customers and the opportunity to expand their customer base. PDF JobReady is delivered as a software development kit (SDK) containing a client creation tool and server components, so that OEMs and qualified systems integrators can develop Web-based workflow solutions and services for print providers.

**Pricing:** Varies

**Features:**

- One click print-ready PDF file creation from any authoring application, based on the print provider's preconfigured settings
- Immediate local proofing of print jobs
- Secured delivery offering 40-bit encryption and unique keys for the target print provider
- Client-side Job Definition format (JDF) job ticket creation

#### Asura Pro

**Company:** OneVision Software AG

**Product Version:** 6.1

**Phone:** +49.941.78004.0

**URL:** [www.OneVision.com](http://www.OneVision.com)

**Description:** Asura Pro is a cutting-edge software package for high-end production allowing dynamic job processing via job tickets. Beyond Asura's functionality additional features include automated correction of column width and height, conversion of process colors into pre-defined or customized spot colors,

cropping of pages with existing crop marks, and conversion of complete documents into HTML. This extensive package brings print and media production up-to-date.

**Pricing:** n/a

**Features:**

- Automated document check and correction
- Supports preflight and correction via JDF
- Natively imports PDF and TIFF
- Interprets EPS and PostScript
- Converts to required file format
- Adopts files to production requirements
- Unrivaled number of checks
- Provides detailed log reports

Date of Information: 3/1/2004 8:40:00 PM

#### DALiM PRiNTEMPO

**Company:** DALiM Software

**Product Version:** 1.5

**Phone:** [+497851919655]

**URL:** <http://www.dalim.com>

**Description:** Browser-based JDF printing system that automates the production of imposed pages. PRiNTEMPO can automatically prepare flats based upon specs from previous jobs. Each job is input, preflighted, cleaned and imposed. Real-time page status is defined by user-specified icons.

**Pricing:** POA

**Features:**

- Output device independent
- No client software required
- File format independent
- Optional Softproofing module
- Optional Customer-Facing module
- JDF preflighting, imposition, job ticketing, etc
- Independent of existing prepress workflow

Date of Information: 1/7/2004 2:49:31 PM

#### Enfocus Instant PDF

**Company:** Enfocus Software

**Product Version:**

**Phone:** +32.9.269.16.90

**URL:** [www.enfocus.com](http://www.enfocus.com)



## JDF Marketplace

**Description:** Enfocus Instant PDF is the easiest way to make flawless PDFs from within any layout program. Built-in Certified PDF technology ensures that your PDF flows smoothly all the way through production. Direct access to CertifiedPDF.net keeps you connected to up-to-date specifications automatically. In the new version of the software (amongst many other improvements) job ticketing information, including JDF based ones, will be part of the PDF creation workflow. Document receivers will be able to define the job ticket data they want to collect from the creator. Filling in and assembling this data becomes part of the PDF creation process. The job ticket data are managed by Enfocus' Certified PDF workflow technology: the famous green checkmark will only be attributed to files that contain the required job ticket data. At the receivers side a new version of PitStop Server will check and extract the job ticket data into different XML based formats including JDF.

**Pricing:** n/a

Date of Information: 2/18/2004 10:37:37 AM

### Riteportal

**Company:** Screen

**Product Version:** V1.5

**Phone:**

**URL:**

**Description:** Screen's new Internet portal that allows content creators to prepare and deliver error-free, production-ready Certified PDF files from any application. Easily tailored to a printer's production workflow, Riteportal simplifies the PDF creation, pre-flight, certification, encryption and delivery of pre-defined PDF files into a simple 'click-and-print' process from the desktop for both online and offline delivery. The system eliminates the problems often associated with bad PDFs, such as incorrect profile settings and missing fonts. Certified PDFs created by customers are automatically uploaded to the print site's Riteportal server and placed into pre-determined hot folders or print queues. As a result print jobs get on press with fewer delays and quality results are guaranteed. Riteportal complies with JDF and PDF/X-1a open standards to ensure flexibility and scalability and integrates easily with Trueflow.

**Pricing:** n/a

Date of Information: 1/19/2004 4:51:13 PM

### Synapse® InSite

**Company:** Creo

**Product Version:**

**Phone:** 1.800.685.9462

**URL:**

**Description:** Synapse® InSite enables remote job submission, proofing, tracking, and collaboration. This includes the ability to receive and publish JDF-based job information in job context, facilitating communication between creative and print production. Synapse InSite provides your customers with secure and controlled web access to their print jobs. It allows you and your customers to: upload and download jobs and job data; proof online with geographically dispersed users collaborating simultaneously; append annotations or comments; approve or reject pages; manage information; and access secure job-status reporting over the World Wide Web using a standard browser.

**Pricing:** n/a

**Features:**

- Online job management and collaboration:
- Remote file uploads and downloads
- Online digital Proofing
- Job collaboration
- Approvals & Project Tracking

Date of Information: 1/21/2004 2:22:12 PM

### Synapse® Prepare

**Company:** Creo

**Product Version:**

**Phone:** 1.800.685.9462

**URL:**

**Description:** Synapse® Prepare links the creative and production processes, enabling the quick and easy creation of trustworthy PDF files. Synapse Prepare provides designers with the tools to easily create PDF files that match the precise production specifications of their print vendor. Using JDF, Synapse® Prepare software can transfer page assignment (run list) information, along with the PDF files, to automate the imposition process in the prepress system.

**Pricing:** n/a

**Features:**

- Powerful, easy to use PDF creation tool
- Automatic preflight
- Simplifies file submission
- Extended process control
- Instant notification of file errors
- Flexible file distribution options
- Print production workflow integration option
- PDF/X-1a and PDF/X-3 support

Date of Information: 1/21/2004 1:57:55 PM

### Vio Digital Workflow Suite

**Company:** Vio Worldwide Limited

**Product Version:** V5.0

**Phone:** +44 207 427 2150

**URL:** www.vio.com

**Description:** Vio provides JDF compliant software solutions, system integration services & 24/7 network management for the intelligent distribution & collaborative management of digital media across the entire supply chain. Clients can work with Vio using their choice of the Internet, private circuits or public networks to minimise the cost of bandwidth, to enhance flexibility of connection to WANs or LANs, and to provide a secure, managed environment.

**Pricing:** modular

**Features:**

- JDF compliant job tickets
- Secure & reliable transmission over the Internet
- Guaranteed delivery of files & folder structures
- Automated workflows to receivers pre-set rules
- Tracking & visibility with intuitive interface
- Cost effective communications
- Online management information & reports

Date of Information: 10/21/2003 5:19:18 PM



## JDF Marketplace

### Prepress

#### Adobe Acrobat

**Company:** Adobe Systems Inc.

**Product Version:** 6.0

**Phone:** n/a

**URL:** <http://www.adobe.com/products/acrobat/main.html>

**Description:** Whether files need to be shared across the office or around the globe, the Adobe® Acrobat® product family enables businesses to simplify document processes using Adobe Portable Document Format (PDF). A standard adopted by governments and enterprises worldwide, Adobe PDF is a reliable format for electronic document exchange that preserves document integrity so files can be viewed and printed on a variety of platforms.

**Pricing:** Varies

**Features:**

- Easy Adobe PDF file creation
- Document merge
- Review management
- Layers and large-format support
- High-quality print output
- Built-in preflighting
- Forms creation
- Robust commenting tools
- Enhanced file viewing and navigation
- PDF/X compliance

Date of Information: March 1, 2004

#### Adobe Distiller

**Company:** Adobe Systems Inc.

**Product Version:** 6.0

**Phone:** n/a

**URL:** <http://www.adobe.com/products/acrdis/main.html>

**Description:** Adobe® Acrobat® Distiller® Server 6.0 software enables workgroups to convert Adobe PostScript® files to compact, reliable, and more secure Adobe Portable Document Format (PDF) files over a network.

**Pricing:** Varies

**Features:**

- Convert Adobe PostScript to Adobe PDF
- Creative reliable, compact final files
- Easily integrate Adobe PDF into document workflows

Date of Information: March 1, 2004

#### ApogeeX

**Company:** Agfa

**Product Version:** 2.0

**Phone:** +32 3 444 21 11

**URL:** [www.agfa.com](http://www.agfa.com)

**Description:** Agfa's next-generation, all-digital prepress workflow solution.

**Pricing:** n/a

Date of Information: 1/21/2004 6:56:56 PM

#### Asura

**Company:** OneVision Software AG

**Product Version:** 6.1

**Phone:** +49.941.78004.0

**URL:** [www.OneVision.com](http://www.OneVision.com)

**Description:** Asura facilitates error-free processing of data from any source in digital print and media production, and can prevent insecure files from burdening the production workflow. Asura can automatically open incoming PDF and TIFF as well as interpret PostScript and EPS files (separated as well as composite) via hotfolder with user-defined queue configurations. Asura can check the contents and repair errors

automatically. Once the file is processed, Asura outputs these files according to your preferred output format and settings.

**Pricing:** n/a

Date of Information: 3/1/2004 8:53:22 PM

#### Celebra Extreme JDF Workflow

**Company:** Fujifilm Electronic Imaging

**Product Version:** Release 6.0

**Phone:** +44 (0)1442 2134

**URL:** [www.ffei.co.uk](http://www.ffei.co.uk)

**Description:** Fujifilm's Celebra Extreme is an integrated workflow solution for prepress professionals. Celebra Extreme provides an Adobe CPSI RIP, an Adobe Normaliser (for creation of PDF) and Integrated Enfocus Pitstop pre flighting. Automated JDF imposition is achieved using JDF Imposition Templates or via JDF from Dynagram's Dynastrip software, which is bundled in the solution. Celebra Extreme publishes its JDF capabilities to external devices and accepts a wide range of JDF jobs from 3rd party systems. Celebra Products also include an optional JMF Events Server which can report the progress of jobs as they progress through the workflow. Celebra Products interface to Fujifilm and 3rd party filmsetters / platesetters. Celebra supports a wide range of file formats without the need for conversion. These include PDF, PostScript and 1 bit TIFF. Celebra is a client/server product providing both Mac OSX and Microsoft XP based clients. The Server is scaleable and can be installed on a single or multiple PC platforms depending on the performance required. Celebra is installed in over 4500 sites worldwide.

**Pricing:** Available

**Features:**

- Adobe PDF1.5 RIP (full Acrobat 6 support).
- Job Ticket Workflow with Queue Management.
- Preflight Server using Enfocus Pitstop
- JDF based automated imposition
- JMF events reports for Management Systems (MIS)
- JDF press information for fast press make ready.
- Multiple RIP scaleable Architecture
- New Mac OSX and Windows XP Clients.

Date of Information: 1/26/2004 7:53:29 PM

#### Celebra Gateway for CTP/CTF

**Company:** Fujifilm Electronic Imaging

**Product Version:** Release 6.0

**Phone:** +44 1442 213440

**URL:** [www.ffei.co.uk](http://www.ffei.co.uk)

**Description:** Fujifilm's Celebra Gateway is an automated TIFF Catcher for prepress professionals. A member of Celebra Suite of products, Celebra Gateway provides a solution for customers who wish to utilise Fujifilm's platesetters or image-setters but retain their current workflow. Celebra Gateway accepts 1 bit TIFF files from a range of third party workflows. The product provides an automated Job Ticket driven product with Queue Management and an integrated Viewer and Archiver. Gateway offers a range of options including 1 bit TIFF automated imposition and integrated proofing. The Celebra Gateway publishes its JDF capabilities to external devices and accepts a wide range of JDF jobs from 3rd party systems. Celebra Products also includes an optional JMF Events Server which can report the progress of jobs as they move through the workflow. Celebra is a client/server product, providing both Mac OSX and Microsoft XP based clients. The Server is scaleable and can be installed on a single processor or dual processor PC. Jointly developed by Fujifilm's teams in UK and Japan, Celebra is installed in over 4500 sites worldwide.



## JDF Marketplace

**Pricing:** Available

**Features:**

- Fujifilm's Advanced TIFF Catcher for CTP/CTF
- Allows 3rd Party workflows to use Fujifilm CTP/F
- Job Ticket Workflow with Queue Management.
- Publishes JDF capabilities – Accepts JDF Jobs
- Integrated TIFF viewer and Archiver
- Optional auto Imposition and proofing
- Upgradeable to RIP or Workflow
- Mac OSX and Windows XP Clients.

Date of Information: 1/26/2004 7:23:05 PM

### Celebra RIP for CTP/CTF

**Company:** Fujifilm Electronic Imaging

**Product Version:** Release 6.0

**Phone:** +44 1442 213440

**URL:** [www.ffei.co.uk](http://www.ffei.co.uk)

**Description:** Fujifilm's Celebra RIP is an automated raster image processor for prepress professionals. A member of Celebra Suite of products, Celebra RIP provides an Adobe CPSI RIP with a Job Ticket driven workflow, Queue Management and Integrated Archiving. The Celebra RIP publishes its JDF capabilities to external devices and accepts a wide range of JDF jobs from 3rd party systems. Celebra Products also include an optional JMF Events Server which can report the progress of jobs as they progress through the workflow. Celebra Products interface to Fujifilm and 3rd party filmsetters / platesetters. Celebra supports a wide range of file formats without the need for conversion, these include PDF, PostScript and 1 bit TIFF. Celebra is a client/server product, providing both Mac OSX and Microsoft XP based clients. The Server is scaleable and can be installed on a single or multiple PC platforms depending on the performance required. Jointly developed by Fujifilm's teams in UK and Japan, Celebra is installed in over 4500 sites worldwide.

**Pricing:** Available

**Features:**

- Adobe PDF1.5 RIP (full Acrobat 6 support).
- Job Ticket Workflow with Queue Management.
- Publishes JDF capabilities - Accepts JDF Jobs
- Optional JMF events reports for MIS
- Integrated Spot Colour Management
- Integrated Automated Archiver
- Upgradeable, providing a range of options
- New Mac OSX and Windows XP Clients.

Date of Information: 1/26/2004 7:27:50 PM

### DynaStrip

**Company:** Dynagram

**Product Version:** 4.1

**Phone:** 418-694-2080

**URL:** [http://www.dynagram.com/html/en\\_prod\\_ds.htm](http://www.dynagram.com/html/en_prod_ds.htm)

**Description:** A high-end imposition solution is essential to successfully performing in today's competitive marketplace. DynaStrip is your key to handling more jobs, improving service levels, increasing client capacity and ultimately generating more revenues. DynaStrip is the most complete imposition solution available—from the very simple to the highly complex—makes it a must-have in any prepress environment.

**OS X Compatibility**

DynaStrip allows users to seamlessly operate in OS X, OS 9 and Classic modes. This compatibility lets users take advantage of OS X's multitasking capabilities, with superior stability and management of application memory.

**JDF Support**

DynaStrip now features new JDF support, further facilitating

DynaStrip's integration with workflow systems adhering to the JDF standard.

**Pricing:** Direct-layout PDF

Imposed PDFs can be directly displayed in DynaStrip's design window. True imposed source files—not thumbnails—are shown, allowing users to zoom page content at maximum resolution.

**Pricing:** n/a

**Features:**

- OS X Compatibility
- JDF Support
- User-friendly Interface
- Direct-layout PDF
- Impose trapped PDFs
- Seamless workflow integration
- Time-saving templates
- Input flexibility

Date of Information: 1/27/2004 10:23:15 PM

### EFI Best Color Manager™

**Company:** EFI

**Product Version:** v1.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** Best Color Manager is a collection of tools enabling the user to manage the color for all digital proofing and photo needs. This covers all steps from the printer calibration to ICC profile creation. Thanks to an extremely intuitive user interface, including a Wizard with detailed step-by-step instructions, it is very easy to use and produces high-quality results regardless of the level of experience. The Best Color Manager functions on the basis of spectral photometry instead of merely density values. It works exclusively according to metrology. Measurement-based tools such as for printer calibration (linearization + profiling) or re-linearization contain no "subjective" steps between. All processing steps are "objective" because completely measurement-based and preclude therewith the "subjective" influences on the part of operating staff. One additional highlight to mention is the Best simplified chart which allows to create a ICC reference profile based on a very handy control strip with only 44 patches. This control strip can be printed with every production run, no extra print proof under production conditions is necessary. Today, the control strip is approved for offset printing (Sheet-fed offset, Web offset).

**Pricing:** n/a

**Features:**

- Printer calibration (Linearization + Profiling).
- Printer linearization by measurement.
- Paper profile creation by measurement.
- Printer re-linearization by measurement.
- Printer re-linearization visually.
- Compensation of plate characteristic visually.
- White point editing.
- Reference profile creation.

Date of Information: 1/27/2004 3:14:03 PM

### EFI Best Colorproof™ Laser

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** Software solution for the creation of color-accurate proofs on laser printer.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.



## JDF Marketplace

- Internal PS-RIP.
- Original Adobe PostScript 3™
- Production and nesting tools.
- Spot color support (HKS, Toyo, Pantone PC).
- Up to 15 input queues configurable.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:12:59 PM

### EFI Best Colorproof™ M

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** Software solution for the creation of color-accurate continuous-tone proofs on DOD inkjet printer. Enables contract proofing including color and content. Best Colorproof M supports DOD inkjet printer up to A2.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- Production and nesting tools.
- Spot color support (HKS, Toyo, Pantone PC).
- Up to 15 input queues configurable.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:11:08 PM

### EFI Best Colorproof™ XL

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** Software solution for the creation of color-accurate continuous-tone proofs on DOD inkjet printer. Enables contract proofing including color and content. Best Colorproof XL supports all DOD inkjet printer up to 24 inch.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- Production and nesting tools.
- Spot color support (HKS, Toyo, Pantone PC).
- Up to 15 input queues configurable.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:11:49 PM

### EFI Best Colorproof™ XXL

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** Software solution for the creation of color-accurate continuous-tone proofs on DOD inkjet printer. Enables contract proofing including color and content. Best Colorproof XXL supports all DOD inkjet printer up to 60 inch.

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP.
- Original Adobe PostScript 3™
- Production and nesting tools.
- Spot color support (HKS, Toyo, Pantone PC).
- Up to 15 input queues configurable.

- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:11:31 PM

### EFI Best RemoteProof™

**Company:** EFI

**Product Version:** v2.0.3

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** Soft- and hardware solution consisting of the Best Remoteproof software and the Best.Eye spectrophotometer. The solution is for the color and quality verification in a remote proofing network as well as for in-house proofing through verification by Best Remoteproof software. The graphic arts user ideally verify the proof to a reference profile (e.g. ISOcoatedsb) by measure a control strip which was printed with the proof. Besides that any kind of verification combination is possible. For instance:

- proof-to-proof
- proof-to-print
- print-to-print
- print-to-profile
- profile-to-profile

Best Remoteproof is JDF-enabled and saves users time and money by easily measuring and comparing the color values of proofs against a reference. In a remote proofing network with different proofing locations this solution ensures that the color accuracy of the proofing results can be verified.

**Pricing:**

**Features:**

- Measurement of spectral data.
- Display as Lab, Lch, RGB, XYZ or density.
- Preference Delta E (average and max) definable.
- Additional result for white point.
- Support of standarized control strips.
- Support of individual control strips (by Best).
- Type of norm light (D50, D65 or C) definable.
- 2D or 3D graphic display.

Date of Information: 1/27/2004 3:09:04 PM

### EFI Best ScreenProof™

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** www.efi.com / www.bestcolor.com

**Description:** Software solution for the creation of color-accurate raster and continuous-tone proofs on DOD inkjet printer. Enables contract proofing including color, content and screening for moiré prediction. Best ScreenProof 4UP supports all DOD inkjet printer up to 60 inch. Best ScreenProof 4UP enables, as mentioned before, the creation of ICC based color-accurate raster contract proofs on DOD inkjet printer. The presentation of the original raster is based on the utilization of precisely the one-bit-files which the manufacturers of image- or platesetters and digital print solutions utilize to drive their output systems. These one-bit files are the result of the RIP process before the output. They contain the complete screen information for film, plate or digital print in the respective color separations. Many one-bit-file formats are supported, e.g. Tiff G4, Tiff G3, Packbit, LZW compressed Tiff, uncompressed Tiff, Presstek, Huffman, PageBuffer, PCX, Len, DCS1/DCS2 (Copy-dot format).

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP for continuous tone proofing.
- Original Adobe PostScript 3™



## JDF Marketplace

- Production and nesting tools.
- Spot color support (HKS, Toyo, Pantone PC).
- Up to 15 input queues configurable.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:12:19 PM

### EFI Best Screenproof™ 4UP

**Company:** EFI

**Product Version:** v5.0.1

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** Software solution for the creation of color-accurate raster and continuous-tone proofs on DOD inkjet printer. Enables contract proofing including color, content and screening for moiré prediction. Best Screenproof 4UP supports all DOD inkjet printer up to 24 inch. Best Screenproof 4UP enables, as mentioned before, the creation of ICC based color-accurate raster contract proofs on DOD inkjet printer. The presentation of the original raster is based on the utilization of precisely the one-bit-files which the manufacturers of image- or platesetters and digital print solutions utilize to drive their output systems. These one-bit files are the result of the RIP process before the output. They contain the complete screen information for film, plate or digital print in the respective color separations. Many one-bit-file formats are supported, e.g. Tiff G4, Tiff G3, Packbit, LZW compressed Tiff, uncompressed Tiff, Presstek, Huffman, PageBuffer, PCX, Len, DCS1/DCS2 (Copy-dot format).

**Pricing:** n/a

**Features:**

- Integrated ICC color management.
- Internal PS-RIP for continuous tone proofing.
- Original Adobe PostScript 3™
- Production and nesting tools.
- Spot color support (HKS, Toyo, Pantone PC).
- Up to 15 input queues configurable.
- L\*a\*b\* based printer linearization functionality
- Remote proofing functionality.

Date of Information: 1/27/2004 3:12:43 PM

### EFI Colorproof XF™

**Company:** EFI

**Product Version:** v1.0

**Phone:**

**URL:** [www.efi.com](http://www.efi.com) / [www.bestcolor.com](http://www.bestcolor.com)

**Description:** Introduced at drupa 2004. Sophisticated Client-Server contract proofing solution for all needs and kind of companies in the graphic arts industry. EFI Colorproof XF bases on a modular architecture and can be flexible configured depending on the customer preferences. The basic configuration consists of the EFI Colorproof Server XF, an output (printer output or file export) and a client option (GUI). The basic configuration can be extended by additional product options as well as output and client options. Product options extend the functional range. These are: Color Manager option (for calibration and profiling), One-Bit option (for halftone proofing), Spotcolor option (for enhanced spotcolor handling) and Color Verifier option (for verification of contract proofs against references etc.).

**Pricing:** n/a

**Features:**

- Modular, customizable Client-Server solution.
- Cross platform - Mac and PC.
- User and administration mode.
- Internal PS-RIP, original Adobe PostScript 3™.
- Support of open standards: ICC, PDF/X, JDF.

- L\*a\*b\* based printer linearization functionality
- Multi-output functionality.
- Intuitive, clear and easy-to-use GUI.

Date of Information: 1/26/2004 12:32:29 PM

### FlatWorker

**Company:** Screen

**Product Version:** 6.1

**Phone:**

**URL:**

**Description:** Prepress imposition system. FlatWorker page imposition software creates finished layouts that feature all the elements required for high-accuracy printing, including registration marks, color bars, dot gain data, and more. FlatWorker can output a variety of file formats, including CIP3-compliant PPF files. Data generated by FlatWorker can be edited within Trueflow as well.

**Pricing:** n/a

Date of Information: 1/22/2004 9:11:49 AM

### FlowDrive

**Company:** Esko-Graphics

**Product Version:** 6.0

**Phone:** +32 9 216 92 11

**URL:** <http://www.esko.graphics.com>

**Description:** Comprehensive workflow and output management system providing consistent and predictable output of fully imposed, plate-ready film or press-ready plates on the Esko-Graphics CtF and CtP devices.

**Pricing:** 17200

**Features:**

- Integrated JDF server with complete parser
- Capable of sending and receiving JMF messages
- Handles incomplete job information
- Returns JMF to originator once job is completed

Date of Information: 1/22/2004 12:23:38 PM

### Harlequin RIP

**Company:** Global Graphics Software

**Product Version:** Eclipse Release, SP4

**Phone:** +1 703-266-9588

**URL:**

[http://www.globalgraphics.com/software/harlequin\\_rip/index.html](http://www.globalgraphics.com/software/harlequin_rip/index.html)

**Description:** The Harlequin RIP is a key component of many industry-leading proofing, imaging and direct-to-print workflows worldwide. At drupa 2004 Global Graphics will demonstrate the Harlequin RIP, fully compliant with the latest JDF specification, v1.1a, and capable of automatically controlling the rendering, screening, trapping, colour management, calibration and output of combined or separated files. The Harlequin RIP's speed, flexibility, rich set of features and open architecture mean that OEMs can build a vast array of Harlequin RIP-based workflow systems.

**Pricing:** Varies

**Features:**

- High-quality, high-performance RIPping
- Optional trapping & color management
- Can be driven with JDF from imposition programs
- Available on Mac, Windows & Unix
- Support for hundreds of output devices

Date of Information: 2/19/2004 12:29:24 PM

### InkZone & DI-Plot

**Company:** DIL Digital Information Ltd.

**Product Version:** 4.0

**Phone:** +41438182000

**URL:** <http://www.digiinfo.com>



## JDF Marketplace

**Description:** Feed the Press! With InkZone, CIP3/4 or JDF-data converted by DI-Plot can now be used for presetting the ink zones on the press. InkZone is compatible with all popular printing machines (e.g. Heidelberg, MAN Roland, Komori, Ryobi, KBA, etc.). In particular, existing offset machines without presetting can be upgraded with InkZone both simply and economically.

**Pricing:** n/a

**Features:**

- CIP3/4, JDF and proprietary Bitmap Input
- Formproof & digital preset at the same time
- Drives most offset printing machines available

Date of Information: 1/26/2004 1:58:49 PM

### OneFlow™

**Company:** EFI

**Product Version:** TBA

**Phone:**

**URL:** [www.efi.com](http://www.efi.com)

**Description:** Lets print shops automate prepress functions to streamline digital and offset printing and proofing. It integrates powerful tools to automatically convert files to PDF,preflight, trap, impose, correct, RIP, soft proof and more. Velocity OneFlow captures, creates, and processes valid JDF for each of these tools and provides for integration with third party workflow tools that emit and/or consume (valid) JDF. In addition, Velocity OneFlow is a JMF controller that collects data on various workflow processes and provides this to MIS systems using JDF. With OneFlow, any print shop employee can master the prepress management process from one desktop and output files to DI presses, platesetters, wide format inkjet proofers and/or Fiery®-driven copier/printers.

**Pricing:** n/a

**Features:**

- Automate prepress functions
- Preflight
- Trap
- Impose
- Correct
- Rip
- Soft proof

Date of Information: 1/21/2004 7:50:42 PM

### Prinect Image Control

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** 3.0

**Phone:**

**URL:**

[www.heidelberg.com/hq/eng//products/sheetfed\\_offset/ImageControl.asp?CON=1](http://www.heidelberg.com/hq/eng//products/sheetfed_offset/ImageControl.asp?CON=1)

**Description:** Prinect Image Control is Heidelberg's spectrophotometric color measurement system that measures the color values in the entire image and controls all printing units simultaneously during make-ready and production run. Optionally color separation data provided by Prinect Prepress Interface can be used as a reference.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 3:44:14 PM

### Prinect MetaDimension

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >4.1

**Phone:**

**URL:**

<http://www.heidelberg.com/hq/eng//products/workflow-management/MetaDimension.asp>

**Description:** Prinect MetaDimension is a RIP and Workflow System driving proofers, CtP, CtF and digital presses. It can be seamlessly integrated into the Prinect Printready System.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 5:30:11 PM

### Prinect MetaShooter

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >1.5

**Phone:**

**URL:**

<http://www.heidelberg.com/hq/eng//products/workflow-management/MetaShooter.asp>

**Description:** Prinect MetaShooter drives Heidelberg CtP and CtF recorders by downloading TIFF-B data directly to the devices. Prinect MetaShooter can be seamlessly integrated into the Prinect Printready System.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 5:38:54 PM

### Prinect Prepress Interface

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** 3

**Phone:**

**URL:**

[www.heidelberg.com/home\\_d.asp?area=Prepress&lang=en](http://www.heidelberg.com/home_d.asp?area=Prepress&lang=en)

**Description:** Prinect Prepress Interface supplies online data for presetting inking and register on the press, color reference data for color measurement systems and cutting and folding data for finishing systems.

**Pricing:**

**Features:**

Date of Information: 1/27/2004 8:41:20 AM

### Prinect SignaPack

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >9.0

**Phone:**

**URL:**

<http://www.heidelberg.com/hq/eng//products/workflow-management/Signapack.asp>

**Description:** Prinect SignaPack is a layout and step & repeat software designed for the packaging market. It also provides information for the press and postpress department such as register marks, cutting, folding and stitching information. Prinect SignaPack can be seamlessly integrated into the Prinect Printready System.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 6:00:22 PM

### Prinect Signastation

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >9.0

**Phone:**

**URL:**

<http://www.heidelberg.com/hq/eng//products/workflow-management/Signastation.asp>

**Description:** Prinect Signastation is an impositioning software. It also provides information for the press and postpress department such as register marks, cutting, folding and stitching information. Prinect Signastation can be seamlessly integrated into the Prinect Printready System.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 6:08:16 PM



## JDF Marketplace

### Speedflow Impose

**Company:** OneVision Software AG

**Product Version:** 2.1

**Phone:** +49.941.78004.0

**URL:** [www.OneVision.com](http://www.OneVision.com)

**Description:** Speedflow Impose is powerful and easy-to-use imposition software providing vast possibilities for imposing commercial print items of all kinds. Jobs can be output on any device supporting PDF output. Speedflow Impose supports common print processes and types of presses. It also supports ganging as well as step-and-repeat - a considerable advantage you want to optimize machine run times through multiple layouts. Speedflow Impose organizes imposition workflows and automates time-consuming processes. Independent of the size and kind of the job Speedflow Impose drastically reduces your costs and processing times.

**Pricing:** n/a

**Features:**

- Powerful native PDF imposition
- Consumes and produces required JDF information
- Short job handling times
- Automates a wide range of imposition settings
- XML-based imposition sheet libraries
- Fast PDF preview and zoom
- Supports multiple layouts
- Allows defining/importing various sets of marks

Date of Information: 3/1/2004 8:25:11 PM

### Speedflow Suite

**Company:** OneVision Software AG

**Product Version:** 2.1

**Phone:** +49.941.78004.0

**URL:** [www.OneVision.com](http://www.OneVision.com)

## Printers, Presses & Pressroom

### Adobe PostScript 3

**Company:** Adobe Systems Inc.

**Product Version:** 3016

**Phone:** n/a

**URL:** <http://www.adobe.com/products/postscript/main.html>

**Description:** Adobe® PostScript® 3™ is the worldwide printing and imaging standard. Used by print service providers, publishers, corporations, and government agencies around the globe, Adobe PostScript 3 gives you the power to print visually rich documents reliably. Adobe PostScript 3 printing technology is licensed to original equipment manufacturers (OEMs) for building high-performance printing systems and print workflow solutions. As a scalable architecture, it can be easily integrated into a wide range of devices and technologies while maintaining the high quality and performance you expect from Adobe.

**Pricing:** Varies

**Features:**

Quality and Reliability

- De facto market-standard imaging technology for print publishing
- Best in class for high-quality printing of Adobe Portable Document Format (PDF) files
- Consistent high-quality print output, from office printer to digital press
- Compatibility across a broad range of operating systems and platforms

Driving workflow standards

- Support for composite files
- Direct consumption of PDF files up to PDF 1.5
- Fully enabled for Job Definition Format (JDF) control (JDF 1.1a)

**Description:** Speedflow is OneVision's product line tailor-made for commercial and digital printing offering extensive functionality for print and media production. All incoming files are checked, repaired, optimized, processed, and imposed. Speedflow Suite focuses specifically on creating and editing high-quality PDF data. Plus PDF/X.

**Pricing:** n/a

**Features:**

- Automated PDF, EPS, and PS check
- Conversion to PDF according to production requ.
- Comprehensive PDF editing
- PDF Flattening, automated as well as interactive
- PDF imposition
- JDF-enabled

Date of Information: 3/1/2004 8:50:36 PM

### Trueflow

**Company:** Screen

**Product Version:** 3.0

**Phone:**

**URL:**

**Description:** Trueflow\*, Screen's established PDF/PostScript workflow, is the core of Trueflownet and at drupa the company launches the latest version of this popular system. Trueflow, featuring file checking, OPI, trapping and imposition, is designed both to drive optimised computer-to-plate (CtP) production and digital printing presses, and to create an advanced automated and streamlined network workflow solution.

**Pricing:** n/a

**Features:**

Date of Information: 1/22/2004 9:05:17 AM

- Upgradeable with Adobe in-RIP trapping technology
- Leading graphics capabilities
- Support for transparent artwork, JPEG 2000, and layers in PDF
- Multi-threaded rendering
- Operators for smooth shades, idiom recognition, and masked images

Date of Information: March 1, 2004

### Adobe Trapping Technologies

**Company:** Adobe Systems Inc.

**Product Version:** n/a

**Phone:** n/a

**URL:**

<http://www.adobe.com/products/postscript/indepth.html>

**Description:** Adobe offers 2 trapping solutions: Adobe in-RIP Trapping and Adobe PDF Trapper. With in-RIP Trapping users simply print to their output device in their regular manner; files are trapped as part of the regular PostScript interpretation process. With PDF Trapper, content-specific information is separated from device-specific information to provide greater flexibility in the workflow. PDF Trapping can occur earlier in the workflow

**Pricing:** Varies

**Features:**

- Support for composite Adobe PostScript 3 and PDF printing
- Automation, Speed, Quality, and Ease of use
- Ability to view trapped PDF files in Adobe Acrobat software

Date of Information: March 1, 2004



## JDF Marketplace

### HP DesignJet family

**Company:** Hewlett-Packard

**Product Version:**

**Phone:**

**URL:**

**Description:** HP DesignJet printer and proofer devices with the "EFI Designer Edition for HP" RIP provide proofing and remote proofing solutions based on JDF1.2

**Pricing:** n/a

**Features:**

- Closed loop color calibration
- ICC based color management
- Support of spot colors
- HP CMYK Plus

Date of Information: 1/26/2004 4:43:50 PM

### HP Indigo Press 5000

**Company:** Hewlett-Packard

**Product Version:**

**Phone:**

**URL:** [www.hp.com/go/indigo](http://www.hp.com/go/indigo)

**Description:** HP Press Production Manager is the DFE for the HP Indigo Press 5000 providing automated workflow 'from idea to print' based on JDF.

**Pricing:** n/a

**Features:**

- On-press Integrated DFE
- Internet connectivity / automated job processing
- scalable RIP performance
- easy to use color management (ICC based)
- efficient variable data printing (based on PPML)

Date of Information: 2/25/2004 9:20:17 PM

### NexStation

**Company:** Heidelberger Druckmaschinen AG

**Product Version:**

**Phone:**

**URL:**

**Description:**

**Pricing:**

**Features:**

Date of Information: 1/22/2004 10:12:41 AM

### Prinect CP2000 Center

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >40.0

**Phone:**

**URL:**

[www.heidelberg.com/hq/eng/products/sheetfed\\_offset/CP200\\_0\\_Center.asp](http://www.heidelberg.com/hq/eng/products/sheetfed_offset/CP200_0_Center.asp)

**Description:** Prinect CP2000 Center is the highly automated press control unit for all Heidelberg Speedmaster presses with software modules for online connection to MIS and Prepress.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 3:43:33 PM

### printnet - PECOM

**Company:** MAN Roland

**Product Version:**

**Phone:** +49(0)69 8305 0

**URL:** <http://www.man-roland.de/>

**Description:** Shown in PrintCity, printnet takes over JDF jobs data from MIS, offers job scheduling, controlling and tracking solution based on JDF and networks the entire

production system environment, i. e. the Press Management System PECOM.

**Pricing:** n/a

**Features:**

Date of Information: 2/3/2004 4:49:47 PM

### QuadTech Color Control System

**Company:** QuadTech, Inc.

**Product Version:**

**Phone:** (414) 566-7500

**URL:** [www.quadtechworld.com](http://www.quadtechworld.com)

**Description:** The issue today is not whether you can deliver high-fidelity color reproduction; it's whether you can do so efficiently enough to remain cost-competitive and ensure long-term profitability. The solution? Integrate JDF with the QuadTech Color Control System and Data Central to quickly optimize your color quality. This system applies patented core video densitometer technology and adaptive control software to automatically maintain color density. To this foundation, you can add options to control process variables such as three-color gray balance, midtone balance, ink-key presetting and much more. You can also maintain visual Oks per alley and automatically control alleys down to the page level. It also offers automatic adjustment of everything from the overprint behavior of process inks in midtones and shadows to the relationships between single-color dot gain balance and single-color solid densities. The result is always quick, consistent color control. Plus, innovative 1.6 mm color bar with full bleed eliminates the need for extra locating marks and contributes to higher productivity and profitability.

**Pricing:** n/a

**Features:**

- Works with QuadTech's ICON platform for ROI
- Provides consistent color control & quality
- Searches for, locates and tracks micro color bar
- Maintains 3-color gray balance and midtone contr
- A full range of optional tools is available
- Eases problem diagnosis and troubleshooting
- Minimizes waste & enhances productivity

Date of Information: 2/24/2004 2:26:58 PM

### QuadTech Data Central

**Company:** QuadTech, Inc.

**Product Version:**

**Phone:** (414) 566-7500

**URL:** [www.quadtechworld.com](http://www.quadtechworld.com)

**Description:** Now, you can eliminate the makeready delays associated with individually setting advanced press controls, plus benefit from the ability to keep your controls running at peak performance. JDF and Data Central work together to automate the receipt, storage and application of set-up parameters for any QuadTech ICON?platform product system. The results? Reduced press makeready times, enhanced productivity and stronger profitability. Data Central is a modular solution for capturing the full productivity and print-quality potential of your automated press controls. You can also build in continuous performance with Data Central's Performance Reporting module. It provides the data you need to control and enhance the performance of your equipment and crew, while documenting the quality of your product.

**Pricing:** n/a

**Features:**

- Integrates with JDF & ICON platforms



## JDF Marketplace

- Automates set-up to reduce makereadies
- Data helps control & improve performance
- Documents work quality
- Improves profitability

Date of Information: 2/24/2004 2:15:12 PM

### QuadTech Ribbon Control System

**Company:** QuadTech, Inc.

**Product Version:**

**Phone:** (414) 566-7500

**URL:** www.quadtechworld.com

**Description:** Closing the loop on print-to-cut and print-to-fold functions translates directly into reduced makeready waste, as well as overall improvements in the quality of your finished product. The solution: The QuadTech Ribbon Control System 4000 working in tandem with JDF and QuadTech Data Central. The 4000 starts working before start-up, as the system's web edge detection ensures proper lateral ribbon register. Then, using information from the JDF job ticket, the camera is automatically moved into position for your print work, reducing start-up time and speed makeready. Plus, its innovative ability to automatically register ribbons both laterally and circumferentially while the press is at run speed ensures fast, accurate fold and cutoff registration throughout the job. With maximum configuration ability, this system offers you superior ROI.

**Pricing:** n/a

**Features:**

- Works with the ICON platform for ultimate ROI
- Fast, accurate fold & cutoff registration
- Minimizes run waste & makeready time
- Pattern recognition & multiple camera options

- Add cameras for print-to-slitter registration
- Customizable to meet your specific requirements

Date of Information: 2/24/2004 4:09:09 PM

### Register Guidance System

**Company:** QuadTech, Inc.

**Product Version:**

**Phone:** (414) 566-7500

**URL:** www.quadtechworld.com

**Description:** Because our Register Guidance System relies not on off-the-shelf hardware, but on pace-setting CMOS-based scanner and camera technology we developed, it delivers the high performance you need. By integrating JDF with QuadTech Data Central, the QuadTech Register Guidance System enables you to automate virtually every registration task. By allowing the selection of continuous, makeready and per-web phasing, our automatic phaser control eliminates the guesswork and errors normally associated with register control. It also allows minimal registration-mark white space requirements at speeds of up to 3500 fpm. And, audible error alarms alert your operators to everything from missing marks to large-scale errors. The bottom line is greater productivity, dramatic waste reduction and improved quality for every run.

**Pricing:** n/a

**Features:**

- Works with the ICON platform for ultimate ROI
- Superior CCD-based scanner and camera technology
- Eliminates the guesswork and errors
- Variety of cameras & scanners available
- Audible error alarms stop problems fast
- Customizable to meet your specific requirements

Date of Information: 2/24/2004 3:40:28 PM

## Postpress

### bind-com

**Company:** Wohlenberg

**Product Version:** 4.0

**Phone:**

**URL:**

**Description:** Motorized perfect binding line with Navigator, bind-com® and JDF Interface.

**Pricing:** n/a

**Features:**

Date of Information: 1/26/2004 3:39:44 PM

### i2i

**Company:** Horizon International Inc.

**Product Version:** 1.0.0.0

**Phone:**

**URL:** http://www.horizon.co.jp

**Description:** The Horizon i2i system, from EYE of the creative TO the EYE of the beholder, is the original networked workflow system that allows to create a comprehensive automated CIP4 bindery by decrypting the JDF files and automatically controlling the Horizon bindery products through the network.

**Pricing:** n/a

**Features:**

- Bindery products are automatically set up.
- Job tickets can be created without PPF or JDF.
- Every job progress is tracked in real time.
- Customer Information System is included.

Date of Information: 10/17/2003 5:46:38 AM

### microcut +

**Company:** Colter & Peterson

**Product Version:** plus

**Phone:** 415/457-7500

**URL:** www.cp-microsystems.com

**Description:** microcut+ is designed to automate backguage movement on any paper cutter, regardless of brand or size. The benefits include increased productivity, greater accuracy, and improved reliability.

**Pricing:** n/a

**Features:**

- solid state circuitry
- full color multilingual 8
- patented microprocessor control backguage posit.
- patented independent DC motor drive
- repeatability of backguage position to +/- .002
- non-volatile memory
- self diagnostic electronics
- over 15,000 world wide installations

Date of Information: 1/27/2004 10:16:30 PM

### Prinect FCS 100

**Company:** Heidelberg Druckmaschinen AG

**Product Version:** 3.0

**Phone:** 49 7141 501249

**URL:**

[www.heidelberg.com/hq/eng//products/folders/fcs\\_0701.asp?componentid=2651&source](http://www.heidelberg.com/hq/eng//products/folders/fcs_0701.asp?componentid=2651&source)



## JDF Marketplace

**Description:** The Prinect FCS 100 Finishing Communication System is a part of the continual workflow concept on the basis of the CIP standard.

**Pricing:**

**Features:**

### MIS, Workflow & Production Management Systems

#### Cerm Software

**Company:** Cerm nv

**Product Version:** 6.50

**Phone:** +32.50.388338

**URL:** <http://www.cerm.be>

**Description:** Extended MIS for printing companies with sheetfed, webfed and/or narrow web (labels) including description of prepress & finishing.

**Pricing:** n/a

**Features:**

Date of Information: 1/15/2004 8:03:04 PM

#### DALiM MiSTRAL

**Company:** DALiM Software

**Product Version:** 2.3

**Phone:** [+32]497851919655

**URL:** <http://www.dalim.com>

**Description:** Online submission and print production management system for the tracking, administration, assembly, correction and approval of all types of print and publishing projects.

**Pricing:** POA

**Features:**

- JDF preflighting, imposition, job ticketing, etc
- Compatible with most output devices
- No client software required
- Optional softproofing module
- Multiple file format handling
- Independent of existing prepress workflow system
- Brandable user interface (logos, etc.)

Date of Information: 1/7/2004 2:39:14 PM

#### Delano

**Company:** Agfa

**Product Version:** 1.0

**Phone:** +32 3 444 21 11

**URL:** [www.agfa.com](http://www.agfa.com)

**Description:** Web-based project management system for the printing and publishing industry.

**Pricing:** n/a

**Features:**

- Delano Publish
- Delano Production

Date of Information: 1/21/2004 6:50:20 PM

#### DiMS!

**Company:** DiMS! organizing print

**Product Version:** 640

**Phone:** +31 544 39 66 00

**URL:** <http://www.dimso.net/>

**Description:** DiMS! contains all the functionality in a single software package to fully cover the complete range of administrative and printing processes. Eliminating the need to integrate multiple servers or employ add-ons, DiMS! streamlines and automates key business processes from end to end. By allowing printers to harness valuable information on a

- Production Data Management PDM

- Compufold Workflow CFW

- Compustitch Workflow CFW

Date of Information: 1/26/2004 1:32:19 PM

centralized, Web-enabled database, DiMS! provides the ability to link internal information systems, instantaneously track production data and measure results, and integrate operations with key clients and suppliers.

**Pricing:** n/a

**Features:**

- End-to-end integration
- Web-enabled
- Multi-plant solution
- Function-related workflow tool
- Multi-currency & multi-lingual
- Direct Machine Interface
- E-business solutions
- Integration with MS Office products

Date of Information: 2/3/2004 9:46:38 AM

#### Hagen OA™

**Company:** EFI

**Product Version:**

**Phone:**

**URL:** [www.efi.com](http://www.efi.com)

**Description:** EFI's Hagen OA enables commercial printers to manage a multitude of complex tasks in less time, improving productivity and business efficiencies. Hagen integrates an intelligent estimating system with high-end applications for job management, purchasing, scheduling, inventory and fulfillment, and provides real-time access to the status of the entire print operation. An Enterprise version of Hagen is available for large multi-plant or multi-division printers.

**Pricing:** n/a

**Features:**

Date of Information: 1/27/2004 6:52:26 AM

#### HIFLEX PRINT

**Company:** Hiflex GmbH

**Product Version:** 27

**Phone:** ++49-241-1683-0

**URL:** [www.hiflex.com](http://www.hiflex.com)

**Description:** HIFLEX offers the integrated industrial MIS system HIFLEX, specially designed for the printing and media (prepress) industry. HIFLEX MIS is capable of representing all major business processes of a graphic arts company or supporting them. The range of the HIFLEX MIS covers areas as estimation, order processing, inventory, scheduling, shop floor data collection, JDF device interfaces and eBusiness. The HIFLEX MIS system has a modular structure and can be adapted to individual requirements and demands of a company by a unique workflow module. Program screens can be adapted and extended by additional fields. The system is based upon workflow emulation and gives access to its program logic.

**Pricing:** n/a

**Features:**

- Workflow emulation
- Estimation
- Order processing



## JDF Marketplace

- Inventory and stock management
- Scheduling and production control
- Shop floor data collection
- JDF device interfaces (real-life installations)
- eBusiness

Date of Information: 2/27/2004 7:21:53 PM

### HP Production Flow

**Company:** Hewlett-Packard

**Product Version:**

**Phone:**

**URL:** [www.hp.com/go/indigo](http://www.hp.com/go/indigo)

**Description:** Digital Front End for the high end HP Indigo Digital Presses providing a automated workflow 'from idea to print' based on JDF.

**Pricing:** n/a

**Features:**

- Internet connectivity / automated job processing
- scalable RIP performance
- easy to use color management (ICC based)
- efficient variable data printing (based on PPML)

Date of Information: 2/25/2004 9:12:28 PM

### Integrale of Graphisoft

**Company:** Graphisoft

**Product Version:** 10

**Phone:** +33 238 63 88 44

**URL:** [www.graphisoft.biz](http://www.graphisoft.biz)

**Description:** Integrated Management Information System. Estimating, job ticket, scheduling, shop floor data collection, job costing, inventory control, contact management. Bi-directional JDF link with press and prepress.

**Pricing:** n/a

**Features:**

Date of Information: 1/23/2004 11:34:54 AM

### IPC Server II

**Company:** Mitsubishi Heavy Industries

**Product Version:** 1.3.0

**Phone:** +81-848-67-2410

**URL:** <http://www.mhi.co.jp/mihara/indexe.html>

**Description:** The IPC Server II employs an open JDF/JMF-interface to accommodate two-way information exchange with internal management information systems and job order information systems. The IPC Server II consists of three functional software packages available individually or as a group to meet customers' needs.

(1) Job package: All printing job data and scheduled job lists that have been registered with the IPC II Server are made available to each appropriate press via the press IPC II. This package enables centralized management of all print jobs and scheduling of all programmed jobs.

(2) Production package: The functions of this package are to serve as a remote press monitor for all jobs in progress, maintain a history of the last 100 jobs run, and calculate and provide a productivity record of each press linked with the IPC Server II.

(3) Maintenance package: This software package offers centralized control of all diagnosis support and maintenance support rendered to each press linked with the IPC Server II.

**Pricing:** n/a

**Features:**

- JDF/JMF enabled

- Job assigning for the press
- Job tracking
- Summarizing production statistics
- Summarizing maintenance statistics
- Web interface enabled
- Data exporting to Microsoft Excel

Date of Information: 1/7/2004 2:12:38 AM

### Metrix

**Company:** LithoTechnics Pty Limited

**Product Version:** 1.0

**Phone:** +61 2 4225 1103

**URL:** [www.lithotechnics.com](http://www.lithotechnics.com)

**Description:** Metrix is an automatic layout calculator for Estimators, CSR's and Production Planners. Patent pending technology calculates the optimal layout for printing one or many products on a press sheet considering bleed, grain direction, and bindery requirements. Metrix finally brings true automation to this part of the industry.

**Pricing:** n/a

**Features:**

- completely automatic layout calculation
- optimum layouts can save up to 30% of stock
- makes planning complex ganging jobs simple
- JDF integration with MIS and prepress
- CIP3 PPF cutting and folding data

Date of Information: 1/23/2004 6:05:35 AM

### Océ PRISMAsatellite

**Company:** Océ

**Product Version:** 1.2

**Phone:**

**URL:** [www.oce.com](http://www.oce.com)

**Description:** Océ PRISMAsatellite is a new Output Management technology platform based on JDF. As such, Océ PRISMAsatellite is targeted at:

- Transaction printing environments with E-forms
- PoD environments (centralized print rooms, digital print providers)
- Office printing

PRISMAsatellite will be available in specific configuration bundles for these applications, including Job Ordering and Submission, E-Forms, Pre-flight, Pre-press, Scan & Make Ready, Accounting modules, etc..

**Pricing:** n/a

**Features:**

- Unified driver
- Web job submission
- Pre-flight / proofing
- Variable Dataprinting / E-forms
- Intelligent Job Routing
- Advanced Accounting
- Load Balancing / Array Printing (TM)
- Océ and 3rd party printer support

Date of Information: 1/25/2004 9:14:48 PM



## JDF Marketplace

### Optimus 2020 - Data Collection

**Company:** Optimus

**Product Version:** 16.13x

**Phone:** +44 1483 740233

**URL:** www.optimus2020.com

**Description:** Data Collection is part of the Optimus 2020 Print MIS. Optimus 2020 is a modular, fully integrated MIS which also contains E-Commerce, Estimating, Scheduling, Real Time Job Tracking and other modules.

**Pricing:** n/a

**Features:**

- JMF messages are used for real time job tracking
- JMF messages are used to update job status
- JMF messages are used for job costing

Date of Information: 10/16/2003 11:05:48 AM

### Optimus 2020 Estimating Pro Plus

**Company:** Optimus

**Product Version:** 16.13x

**Phone:** +44 1483 740233

**URL:** www.optimus2020.com

**Description:** Estimating Pro Plus is part of the Optimus 2020 Print MIS. Optimus 2020 is a modular, fully integrated MIS which also contains E-Commerce, Scheduling, Shop Floor Data Collection, Real Time Job Tracking and other modules.

**Pricing:** n/a

**Features:**

- JDF created from Estimates
- JDF contains both Intent and Process Nodes

Date of Information: 10/16/2003 11:01:38 AM

### Optimus 2020 Prestige Scheduling

**Company:** Optimus

**Product Version:** 4.5

**Phone:** +44 1483 740233

**URL:** www.optimus2020.com

**Description:** Prestige Scheduling is part of the Optimus 2020 Print MIS. Optimus 2020 is a modular, fully integrated MIS which also contains E-Commerce, Estimating, Shop Floor Data Collection, Real Time Job Tracking and other modules.

**Pricing:** n/a

**Features:**

- JMF messages are used to update job status
- Real Time view of job status and progress

Date of Information: 10/16/2003 11:03:31 AM

### PECAS Vision

**Company:** Radius Solutions, Inc.

**Product Version:** Version II

**Phone:** 312-648-0800

**URL:** http://www.radiussolutions.com

**Description:** PECAS Vision II is an ERP software solution which provides Estimating, Order Handling, Raw Materials and Purchase Ordering, Costing, Production Scheduling, Shop Floor Data Collection and Intervision to Printing and Packaging companies world-wide in medium, large and multi-plant environments.

**Pricing:** n/a

**Features:**

- Written specifically for the printing industry
- Radius has over 30 years of experience
- Offers multi-plant, language & location options
- Sophisticated Shop Floor Data Collection

Date of Information: 1/21/2004 10:40:58 PM

### Prinance

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** 4

**Phone:**

**URL:** www.heidelberg.com/hq/eng/Prinect/prinance.asp

**Description:** Prinect Prinance is a Management Information System for estimating, order management and job costing, which enables the integration of all workflow processes by interfacing to production solutions.

**Pricing:**

**Features:**

Date of Information: 1/27/2004 8:43:50 AM

### Prinect Data Control

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** 6.0

**Phone:**

**URL:**

[www.heidelberg.com/hq/eng//products/sheetfed\\_offset/DataControl.asp](http://www.heidelberg.com/hq/eng//products/sheetfed_offset/DataControl.asp)

**Description:** Prinect Data Control is the integrated production management system, that enables integration of MIS and the complete production chain and provides tools for scheduling and monitoring the production workflow.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 3:41:59 PM

### Prinect Web Center

**Company:** Heidelberger Druckmaschinen AG

**Product Version:**

**Phone:**

**URL:**

**Description:**

**Pricing:** n/a

**Features:**

Date of Information: 1/24/2004 12:32:42 AM

### PrintSapiens

**Company:** Olive inc.

**Product Version:**

**Phone:** 81-3-5689-1933

**URL:** <http://www.olv.co.jp/>

**Description:**

**Pricing:** n/a

**Features:**

Date of Information: 1/15/2004 11:52:50 PM

### PrintVision

**Company:** NovaVision Software a/s

**Product Version:** MBS-Navision 3.70

**Phone:** +45 70 23 07 44

**URL:** [www.nvsvbs.com](http://www.nvsvbs.com)

**Description:** PrintVision is a comprehensive MIS/ERP solution for the Printing Industry. PrintVision is an add-on to Microsoft Business Solution - Navision, and as such a Microsoft Business Solution Certified product, created and proven, to meet the needs for various types of production companies in the Printing Industry World Wide.

**Pricing:** n/a

**Features:**

- Estimating and Quoting
- Scheduling and Production Management
- Job Costing and Shop Floor Management
- Inventory and Supply Chain
- Purchasing and Receivables
- Invoicing and Payables



## JDF Marketplace

- General Ledger
- CIP4 JDF integration: JDF Job Ticket / JMF

Date of Information: 1/26/2004 12:40:23 PM

### Production Software

**Company:** Heidelberger Druckmaschinen AG

**Product Version:**

**Phone:**

**URL:**

**Description:**

**Pricing:**

**Features:**

Date of Information: 1/22/2004 10:12:41 AM

### Speedflow Cockpit

**Company:** OneVision Software AG

**Product Version:** 2.0

**Phone:** +49.941.78004.0

**URL:** www.OneVision.com

**Description:** Speedflow Cockpit is the first PDF workflow control & collaboration tool for print and media production that distributes and manages instructions for production tasks bringing different operators within a production team closer into the information loop. And, via its built-in Job Monitor, Speedflow Cockpit facilitates visual job monitoring and tracking of jobs within a production workflow; from preflight, check and normalization over editing, modifying, and processing to imposition, proofing, printed output, and archiving.

**Pricing:** n/a

**Features:**

- Incorporates OneVision JDFnet
- Integrates third-party workflow and MIS systems
- Integrates common production applications
- Workflow scenarios via Flowmaps
- Job tracking

Date of Information: 3/1/2004 8:45:51 PM

### Synapse® Link software automates

**Company:** Creo

**Product Version:**

**Phone:** 1.800.685.9462

**URL:**

**Description:** Synapse® Link software automates the exchange of data between print production systems and a Management Information System (MIS). Using open standards such as JDF, Synapse Link provides immediate access to production data, so printers can accurately record and communicate production data, such as prepress events, machine time and material usage, into the MIS. With the production information delivered by Synapse Link, printers can understand their businesses better, become more profitable, and more responsive to customer demands.

**Pricing:** n/a

**Features:**

- Directly interface your prepress to your MIS
- Automatically record alterations and their cost
- Track prepress material usage

Date of Information: 1/21/2004 2:16:18 PM

### TharsternSQL

**Company:** Tharstern Ltd

**Product Version:** 2.0

**Phone:** 01282 860660

**URL:** www.tharstern.com

**Description:** Provides a modern printer of any size with a one stop solution for all MIS needs. The software meets the needs of the printing industry including estimating; order

processing; job tracking; delivery notes; invoicing; production scheduling; stock control; facilities management; extras; events / proof tracking; box labels; accounts integration; shop floor data capture; sales order processing; purchase order processing; CRM; on-line e-procurement modules including direct integration with Buhrmann paper merchants via their BiTE system.

**Pricing:** n/a

**Features:**

- Estimating - Build every aspect of your quote
- Job Costing - Detailed picture for all WIP
- Facilities Management
- e-commerce
- Suppleir e-procurement
- Embedded crystal report technology
- Seamless Accounts Link
- Seamless Goldmine Link

Date of Information: 2/24/2004 5:36:59 PM

### The Shuttleworth System

**Company:** Shuttleworth Business Systems

**Product Version:** 3.00.10

**Phone:** +44 1536 511357

**URL:** http://www.shuttleworth-uk.co.uk

**Description:** Integrated suite of print management and production control software.

**Pricing:** n/a

**Features:**

- Powerful Estimating and Job Specifier
- Integrated Stock and Purchasing
- E-commerce & Web Applications
- Graphical Production Planning
- Shop Floor Data Collection
- Full Multi-Currency Accounting System
- JDF Compliance

Date of Information: 12/31/2003 2:16:50 PM

### UpFront®

**Company:** Creo

**Product Version:**

**Phone:** 1.800.685.9462

**URL:**

**Description:** UpFront® is the groundbreaking print production planning tool that captures decades of hard-to-find planning experience in the form of reusable layouts, checks these layouts against a comprehensive database of press and finishing equipment capabilities, and prints accurate and consistent job layout documents quickly and easily. UpFront is the missing link in industry-wide efforts to automate printing facilities from estimating all the way through production and finishing. While some estimating and imposition solutions provide rudimentary planning tools, no other product on the market has such a dedicated focus on providing the comprehensive tool set required in this mission-critical role. UpFront® uses JDF to import job tickets and to drive post press production equipment.

**Pricing:** n/a

**Features:**

- Imports JDF from MIS systems
- Exports Preps® templates
- Exports JDF to drive finishing equipment

Date of Information: 1/21/2004 2:10:56 PM



## JDF Marketplace

### JMF & Departmental Controllers

#### Balance™

**Company:** EFI

**Product Version:**

**Phone:**

**URL:** [www.efi.com](http://www.efi.com)

**Description:** Maximizes print production capacity by managing multiple devices as a group. By distributing large print jobs across multiple printers — and splitting jobs between color and black-and-white — Velocity Balance ensures that each engine is utilized to its full capabilities for increased productivity and maximum throughput. Velocity Balance is a JMF departmentlevel controller that can provide command and control over your prepress and digital printing devices. Velocity Balance also collects job data (such as labor, material usage, start/stop time, etc.) and provides that data as JDF to MIS systems such as Printcafe's Hagen OA.

**Pricing:** n/a

**Features:**

Date of Information: 1/21/2004 7:52:17 PM

#### JDFLink

**Company:** Koenig & Bauer AG

**Product Version:**

**Phone:**

**URL:** <http://www.kba-print.com/>

**Description:** Option for KBA Logotronic professional for data exchange via JDF/JMF with MIS, PrePress and PostPress for KBA Rapida Sheetfed and KBA Compacta Web Offset Presses.

**Pricing:** n/a

**Features:**

Date of Information: 1/21/2004 9:31:08 AM

#### MIS Connection Software

**Company:** Ryobi

**Product Version:** Beta 1.0

**Phone:** 81-3-3927-5050

**URL:** <http://www.ryobi-group.co.jp>

**Description:** Connection software between MIS and Ryobi presses (Current software is Beta-version.)

**Pricing:** n/a

**Features:**

Date of Information: 1/8/2004 8:42:21 AM

#### MM Port

**Company:** Müller Martini

**Product Version:**

**Phone:** +41 62 745 45 75

**URL:** [www.mullermartini.com](http://www.mullermartini.com)

**Description:** Muller Martini networks printing and finishing systems into the digital workflow with the open JDF standard. A uniform integration platform is created for this with MM Port. This integration platform allows direct communication between the management information system (MIS) and printing or finishing. The product range for JDF-networking using MM Port encompasses: printing, press delivery, saddle stitching, perfect binding, hardcover book manufacturing, mailroom systems and book-on-demand solutions.

**Pricing:** n/a

**Features:**

Date of Information: 1/22/2004 1:44:24 PM

#### Prinect Printready System L

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >1.2

**Phone:**

**URL:** <http://www.heidelberg.com/hq/eng//products/workflow-management/Printready.asp>

**Description:** The Prinect Printready System is a highly automated JDF / PDF-based workflow for reliable and repeatable generation of print ready PDF files. It is designed modularly and scaleable to fulfill the needs of all different market segments and offers connectivity to proofers, CtP, CtF and digital presses. Prinect Printready System also provides information for the set-up of press and postpress devices.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 6:06:09 PM

#### Prinect Printready System M

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >1.2

**Phone:**

**URL:** <http://www.heidelberg.com/hq/eng//products/workflow-management/Printready.asp>

**Description:** The Prinect Printready System is a highly automated JDF / PDF-based workflow for reliable and repeatable generation of print ready PDF files. It is designed modularly and scaleable to fulfill the needs of all different market segments and offers connectivity to proofers, CtP, CtF and digital presses. Prinect Printready System also provides information for the set-up of press and postpress devices.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 6:06:50 PM

#### Prinect Printready System X

**Company:** Heidelberger Druckmaschinen AG

**Product Version:** >1.2

**Phone:**

**URL:** <http://www.heidelberg.com/hq/eng//products/workflow-management/Printready.asp>

**Description:** The Prinect Printready System is a highly automated JDF / PDF-based workflow for reliable and repeatable generation of print ready PDF files. It is designed modularly and scaleable to fulfill the needs of all different market segments and offers connectivity to proofers, CtP, CtF and digital presses. Prinect Printready System also provides information for the set-up of press and postpress devices.

**Pricing:**

**Features:**

Date of Information: 1/26/2004 6:04:11 PM

#### RiteControl

**Company:** Screen

**Product Version:** 1.0

**Phone:**

**URL:** <http://www.screen.com>

**Description:** Ritecontrol is a key module and the heart of Screen's JDF workflow. This production management system supports the interface between Trueflow and a user's specific MIS system and enables JDF-based, unified control of all the



## JDF Marketplace

processes involved in getting a printed product to market, including design, prepress, press, finishing, and delivery.

**Pricing:** n/a

**Features:**

Date of Information: 1/22/2004 9:06:37 AM

### Scope

**Company:** Esko-Graphics

**Product Version:**

**Phone:** +32.9.216.93.97

**URL:** [www.esko-graphics.com](http://www.esko-graphics.com)

**Description:** Scope is the Esko-Graphics PDF-based JDF-enabled workflow system for the commercial print and packaging markets. Scope consists of a suite of tools with

unparalleled functionality combined with a low cost of ownership.

**Pricing:** n/a

**Features:**

- MIS interface
- Automated imposition from MIS (Stripping)
- Job tracking
- Web approval
- Press ink key settings

Date of Information: 1/21/2004 3:53:54 PM

## JDF & XML Tools

### Adobe JDF SDK

**Company:** Adobe Systems Inc.

**Product Version:**

**Phone:** n/a

**URL:** <http://www.adobe.com/products/extreme/jdf.html>

**Description:** The Adobe JDF SDK is a software development kit for the Job Definition Format (JDF), an eXtensible Markup Language (XML)-based specification used to capture, manage and communicate job ticket information throughout a business process or printing workflow. Operating within the standards of the International Cooperation for the Integration of Processes in Prepress, Press and Postpress (CIP/4), the Adobe® JDF Software Developer Kit (SDK) is a development toolkit designed to simplify and standardize the development of JDF-compatible workflow solutions for developers and original equipment manufacturers (OEMs).

**Pricing:** Varies

**Features:**

- Support for composite Adobe PostScript 3 and PDF printing
- Automation, Speed, Quality, and Ease of use
- Ability to view trapped PDF files in Adobe Acrobat software

Date of Information: March 1, 2004

### JDF Development Platform

**Company:** Objective Advantage, Inc.

**Product Version:** 1.13

**Phone:** +1-281-348-2517

**URL:** <http://www.oai.cc/default.asp?FeatureID=3>

**Description:** Objective Advantage JDF Development Platform (JDP) is a developer toolkit that facilitates rapid integration of JDF capabilities and connectivity into Print and Graphic Arts software development. JDP goes beyond a simple API and provides an application framework that includes ready to work components of real JDF applications.

**Pricing:** n/a

**Features:**

- Speedy implementation of Internet and Adobe Portable Document Format (PDF)-based workflow systems, services and solutions
- Enables developers to build systems that allow end users to better collaborate and specify print jobs within the context of the job itself
- Facilitates a more collaborative and efficient workflow
- Assists in providing the added ability to automate production, printing and billing processes

Date of Information: 10/6/2003 8:15:48 PM

### JDF Development Platform

**Company:** Objective Advantage, Inc.

**Product Version:** 1.13

**Phone:** +1-281-348-2517

**URL:** <http://www.oai.cc/default.asp?FeatureID=3>

**Description:** Objective Advantage JDF Development Platform (JDP) is a developer toolkit that facilitates rapid integration of JDF capabilities and connectivity into Print and Graphic Arts software development. JDP goes beyond a simple API and provides an application framework that includes ready to work components of real JDF applications. The application framework includes a completely configurable Client/Server architecture that supports sending and receiving JMF, and multipart mime JDF packages via HTTP, HTTPS and hotfolders.

**Pricing:** n/a

**Features:**

- JMF
- multipart/related packing and unpacking
- Send & Receive
- HTTP, HTTPS and file
- Remote JDF and Asset Retrieval

Date of Information: 10/6/2003 11:28:03 PM



## JDF Marketplace

# JDF-ENABLED SERVICES

## Consulting

### Economic benefits of networking

**Company:** IRD

**Product Version:** 1.0

**Phone:** +49-6181-9640621

**URL:** www.ird-online.de

**Description:** Ascertaining the economic benefits of a fully-networked printing plant. This tool includes the eBusiness and JDF based products of 7 manufacturers: Creo, Heidelberg, Hiflex, MAN Roland, Müller Martini, PPI, OneVision

**Pricing:** n/a

**Features:**

- Input of the individual enterprise data
- selection of the departments and products
- calculation of time savings
- calculation of the ROI

Date of Information: 1/23/2004 6:16:00 PM

### JDF Consulting

**Company:** Global Workflow Solutions

**Product Version:**

**Phone:** 1-650-324-4000

**URL:** GlobalWorkflowSolutions.com

**Description:** Consulting and help with general technical and management issues for JDF.

**Pricing:** n/a

**Features:**

Date of Information: 1/20/2004 8:55:46 AM

### JDF Consulting

**Company:** Objective Advantage, Inc.

**Product Version:**

**Phone:** +1-281-348-2517

**URL:** http://www.oai.cc

**Description:** Objective Advantage is a software business development firm focused on CIP4 Job Definition Format (JDF) as the future for Print and Graphic Arts. We provide training, consulting, development services and tools that make JDF implementation easier. Objective Advantage staff members take part in several CIP4 working groups, the JDF Technical Steering Committee and the CIP4 Advisory Board. No other independent consulting and development services provider has involved themselves to this extent in the development of JDF. We've been helping clients develop JDF-capable systems since 2001 and have already helped develop JDF Extension Schemas to allow incorporation of additional vendor-specific data into JDF.

**Pricing:** n/a

Date of Information: 10/6/2003 10:54:30 PM

### JDF Management Briefing

**Company:** Medit Consult Aps

**Product Version:**

**Phone:** +45 33210740

**URL:** www.meditconsult.dk

**Description:** JDF Management Briefing is a half day seminar for the management group of your business about JDF. Consultants from Medit Consult explain the technology and the businesslike possibilities you get by implementing it. Furthermore we go through a guide of how to implement JDF in your workflow and best practice scenarios. JDF Management Briefing is a great way to create the right foundation for further JDF discussions and decisionmaking in your business. The agenda for JDF Manage-

ment Briefing:

1. Introduction to JDF
2. The JDF workflow and its elements; JDF, JMF and MIS
3. Best Practice
4. Guide to implementing JDF for best ROI
5. Debate about JDF in your business

**Pricing:** 1.250

**Features:**

- A concrete debate about JDF in your business.
- Date of Information: 2/20/2004 3:42:19 PM

### JDF Product Evaluation

**Company:** Global Workflow Solutions

**Product Version:**

**Phone:** 1-650-324-4000

**URL:** GlobalWorkflowSolutions.com

**Description:** Consulting on evaluation of JDF Products.

**Pricing:** n/a

**Features:**

Date of Information: 1/20/2004 8:47:57 AM

### JDF Schema Development

**Company:** Objective Advantage, Inc.

**Product Version:**

**Phone:** +1-281-348-2517

**URL:** http://www.oai.cc

**Description:** Objective Advantage is a software business development firm focused on CIP4 Job Definition Format (JDF) as the future for Print and Graphic Arts. We provide training, consulting, development services and tools that make JDF implementation easier. Objective Advantage staff members take part in several CIP4 working groups, the JDF Technical Steering Committee and the CIP4 Advisory Board. No other independent consulting and development services provider has involved themselves to this extent in the development of JDF. We've been helping clients develop JDF-capable systems since 2001 and have already helped develop JDF Extension Schemas to allow incorporation of additional vendor-specific data into JDF.

**Pricing:** n/a

**Features:**

- Broad knowledge of JDF Schema
- Experience developing JDF extension schemas
- Experience developing JDF Standard
- Broad knowledge of JDF design patterns

Date of Information: 10/7/2003 12:59:16 AM

### JDF Software Development

**Company:** Objective Advantage, Inc.

**Product Version:**

**Phone:** +1-281-348-2517

**URL:** http://www.oai.cc

**Description:** Objective Advantage is a software business development firm focused on CIP4 Job Definition Format (JDF) as the future for Print and Graphic Arts. We provide training, consulting, development services and tools that make JDF implementation easier. Objective Advantage staff members take part in several CIP4 working groups, the JDF Technical Steering Committee and the CIP4 Advisory Board. No other independent consulting and development services provider has involved themselves to this extent in the development of JDF. We've been



## JDF Marketplace

helping clients develop JDF-capable systems since 2001. Let us help you achieve maximum return on your JDF investment.

**Pricing:** n/a

**Features:**

Date of Information: 10/6/2003 11:11:30 PM

### JDF Strategy and Planning

**Company:** Global Workflow Solutions

**Product Version:**

**Phone:** 1-650-324-4000

**URL:** GlobalWorkflowSolutions.com

**Description:** Consulting and help on strategy and planning for JDF.

**Pricing:** n/a

**Features:**

Date of Information: 1/20/2004 8:56:19 AM

### JDF Systems Integration

**Company:** Global Workflow Solutions

**Product Version:**

**Phone:** 1-650-324-4000

**URL:** GlobalWorkflowSolutions.com

**Description:** Consulting and help with integrating JDF systems from diverse vendors.

**Pricing:** n/a

**Features:**

Date of Information: 1/20/2004 8:50:14 AM

### Project Management

**Company:** Medit Consult Aps

**Product Version:**

**Phone:** +45 33210740

**URL:** www.meditconsult.dk

**Description:** Medit Consult is an independent consultative business with good experience in counselling and implementing JDF in the Graphics Arts industry. Furthermore we have great experience in counselling and implementing technologies like PDF, ICC-based Color Management and general proces optimization. We offer to help your business implement JDF in order to secure the right Return on Investment. Call Medit Consult for a non binding discussion and offer on consultative aid in your JDF implementation.

**Pricing:** n/a

**Features:**

- Securing optimum Return on Investment.

Date of Information: 2/20/2004 4:13:25 PM

### Ready for JDF

**Company:** Medit Consult Aps

**Product Version:**

**Phone:** +45 33210740

## Training

### JDF Expert Certificate Program

**Company:** International Prepress Association

**Product Version:**

**Phone:** +1-610-347-0356

**URL:** www.ipa.org/jdf/

**Description:** CIP4 in conjunction with the International Prepress Association offer a 13 session JDF Expert Certificate program. This program is optimized for technical staff and management at printing, prepress, and publishing companies and is taught via the Internet in both live and streaming (recorded) versions.

**Pricing:** Member and Non-member rates available

**Features:**

- WebEx interface accessible anywhere in the world!

**URL:** www.meditconsult.dk

**Description:** Ready for JDF is a proces optimization project in your business in order to secure right Return on Investment when implementing JDF. A basic rule of getting the best benefit from automating your business' processes is first to have complete control over them. No benefit from automazation if the manual handled parts of processes are not at its best. Medit Consult is a independent consultative business with good experiance in counselling and implementing JDF in the Graphics Arts industry. Medit Consult also have great experiance in managing proces optimization projects prior to implementing automating technologies into workflows. In this matter you first of all have to pick a path in your JDF implementing strategy, which this project also will concern. "Ready for JDF" is characterized by the following:

- Complete analysis of the workflow of your business
- Clarification of workflow requirements
- Technical requirements for JDF enabled equipment
- Planning of JDF implementation project
- Documentation of optimized processes

Call Medit Consult for a non binding discussion and pricing on a "Ready for JDF" project in your business.

**Pricing:** Call us

**Features:**

- Secures optimum proces handling in your business
- Date of Information: 2/20/2004 4:10:41 PM

### Strategic consulting services

**Company:** Media4theWorld

**Product Version:** n/a

**Phone:** +1 410-451-5040

**URL:** http://www.media4theworld.com

**Description:** Media4theWorld, LLC foundr James E. Harvey is available to help you establish your JDF implementation business and technical strategy. Services include state analysis and modeling, cost/benefit analysis, and implementation plan development.

**Pricing:** n/a

**Features:**

- Eight years experience with a system integrator,
  - High-level industry standards experience,
  - Current editor of the JDF specification.
- Date of Information: 8/13/2003 10:24:48 PM

- Live and Recorded sessions are available.

- Pricing is per connection and covers unlimited staff.

Date of Information: 3/2/04

### JDF Planning and Implementation

**Company:** Global Workflow Solutions

**Product Version:**

**Phone:** 1-650-324-4000

**URL:** GlobalWorkflowSolutions.com

**Description:** Courses and consulting for planning, implementing and managing JDF systems.

**Pricing:** n/a

Date of Information: 1/20/2004 8:43:41 AM

### JDF Training



## JDF Marketplace

**Company:** Objective Advantage, Inc.

**Product Version:**

**Phone:** +1-281-348-2517

**URL:** <http://www.oai.cc>

**Description:** Objective Advantage is a software business development firm focused on CIP4 Job Definition Format (JDF) as the future for Print and Graphic Arts. We provide training, consulting, development services and tools that make JDF implementation easier. Objective Advantage staff members take part in several CIP4 working groups, the JDF Technical Steering Committee and the CIP4 Advisory Board. No other independent consulting and development services provider has involved themselves to this extent in the development of JDF. We have been providing JDF training through seminars and tutorials since IPEX 2002.

**Pricing:** n/a

**Features:**

- Non-Tech - JDF and the Print Supply Chain
- Non-Tech - Intro to JDF
- Non-Tech - JDF and your Business
- Introductory JDF for Developers
- Intermediate JDF - Spawn/Merge & CombinedProcess
- Advanced JDF - Partitioning, Pipes and more ...

- JMF Communications and Packaging

- JDF from Intent to Process

Date of Information: 10/6/2003 11:09:35 PM

### JDF/JMF Training

**Company:** Global Workflow Solutions

**Product Version:**

**Phone:** 1-650-324-4000

**URL:** [GlobalWorkflowSolutions.com](http://GlobalWorkflowSolutions.com)

**Description:** Courses to help you understand what JDF is and how it can benefit your business.

**Pricing:** n/a

Date of Information: 1/20/2004 8:41:58 AM

### XML Training and Consulting

**Company:** Global Workflow Solutions

**Product Version:**

**Phone:** 1-650-324-4000

**URL:** [GlobalWorkflowSolutions.com](http://GlobalWorkflowSolutions.com)

**Description:** Courses and consulting for people who want to know about XML (the underlying format of JDF), both basic and advanced topics, such as the JDF Schema.

**Pricing:** n/a

Date of Information: 1/20/2004 8:43:10 AM



## JDF Marketplace

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*Visit <http://www.cip4.org> for more JDF information and resources!*



# A JDF-Based Business Solution Concept for Automated Print Management



IN TODAY'S GRAPHIC PRODUCTION ENVIRONMENT, INCREASED DIGITALIZATION AND IMPROVEMENTS IN NETWORKING TECHNOLOGY ARE ADVANCING HAND IN HAND WITH DEMAND FOR SMALLER LOTS, FASTER TURNAROUND, AND REDUCED PRICE. BECAUSE OF THIS, IT IS MORE IMPORTANT THAN EVER TO INCREASE PRODUCTIVITY THROUGH BETTER AUTOMATION. UNFORTUNATELY, PIECEMEAL ADVANCEMENTS IN PROCESSING HAVE REACHED THE POINT OF DIMINISHING RETURNS. THE PRINTING PROCESS MUST UNDERGO A PARADIGM SHIFT BEFORE A TRULY NEW LEVEL OF PRODUCTION EFFICIENCY CAN BE REACHED. BETTER LINKING BETWEEN AND INTEGRATION OF ALL THE PROCESSES INVOLVED IN PRODUCING A PRINTED DOCUMENT MUST BE DEVELOPED.

RECENTLY, THE CIP4 CONSORTIUM TOOK STEPS TO MAKE BETTER WORKFLOW INTEGRATION POSSIBLE. THE RESULT IS JDF. A NON-PROPRIETARY FORMAT DESIGNED TO PROVIDE CONTROL OF THE ENTIRE PRINTING WORKFLOW FROM START TO FINISH, JDF IS EXPECTED TO REVOLUTIONIZE THE PRINTING BUSINESS. BUT HOW EXACTLY DOES JDF WORK, AND HOW CAN YOU USE IT IN YOUR BUSINESS? THIS ARTICLE WILL PROVIDE A BRIEF DESCRIPTION OF JDF, AS WELL AS INTRODUCING TRUEFLOWNET, A WORKFLOW CONCEPT FROM SCREEN THAT CAN HELP INTEGRATE YOUR ENTIRE PRINTING WORKFLOW.

## JDF: A revolutionary new tool for the printing world

CIP3's PPF has been a standard in the printing industry for several years, functioning as a tool for converting prepress data for use at press or in the finishing process. Many types of PPF-compatible equipment are available, and the transmission of ink presets is now a practical reality. PPF is unidirectional, however, so it doesn't allow for true communication between the prepress and press processes, and management information systems (MIS) are not part of the communication structure.

JDF is an open (non-proprietary) industry production standard developed by a

consortium of manufacturers. Designed to automate and increase the efficiency of printing production, JDF can function as part of a total business management solution that enables every actor in the production process to get information in a timely manner. With JDF, multi-directional communication is possible between a broad variety of systems, including MIS and the systems of off-site partners and customers. Linking management and ordering to production, and enabling everyone involved in a job to get real-time information, JDF is the perfect tool to strengthen business relationships – both



# NEWS BOX

Vol. 14

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