




JDF @ Kodak

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 Co-Chair, CIP4 – Business Networking Group




Graphic Communications Group




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Why JDF?




What is it?

- An XML based file standard that is developed by and for the Printing Industry
- A method of communicating between otherwise incompatible systems
- Ideally an electronic replacement of job tickets or
- Simply a way to exchange data between two or more systems


Why is it important?

- JDF saves time and reduces errors by automating setup tasks across systems
- JDF transfers process data from one system to another allowing further increase of automation
- JDF collects data from production processes and increases visibility




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Kodak Products using JDF



✦ **Prinergy Workflow System**

- **JDF Layout Import**
 Direct import of a JDF Layout (complete imposition in JDF format) into Prinergy
- **Prinergy Automated Imposition**
 Uses JDF stripping parameters to select an existing template from the Preps Template library and automatically imports it into the Prinergy.
- **Prinergy Custom Fields**
 Allows the parsing & importing of various XML based formats (incl. JDF) for display or use of the selected data fields with RBA (currently requires custom xml schemas)
- **Prinergy PrintLink**
 Export of press relevant JDF Job data along with ink key settings to a Press Console or an MIS (via Business Link)
- **JDF for Digital Print**
 Export of JDF data relevant to a Digital Press alongside with the content.
- **JDF Remote Plate Making (Hub)**
 Utilizes JDF in order to transfer final output information along with content to a Prinergy Evo.
- **Business Link**
 Two way connectivity to MIS Systems allowing a near-real-time exchange of production data.



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Kodak Products using JDF today



Preps Imposition Software X 2

- Is capable of importing JDF stripping data in order to select or at least narrow down the existing Preps templates that match the basic description of the imposition from in the JDF stripping data.
- Can export JDF layout data for use in Prinergy and other workflows
- Can also include JDF cutting data in the exported JDF for use with JDF capable cutting equipment (requires Preps Pro or Prinergy automated imposition license).

UpFront Production Planning Software

- Can import JDF job intent and stripping information from MIS systems to populate some of the job options for detailed planning
- Can export JDF stripping data for use with Prinergy, Preps or other imposition/workflow software
- Can also include JDF cutting, folding & binding data to automate CIP3/JDF-enabled bindery equipment

Kodak Products using JDF today



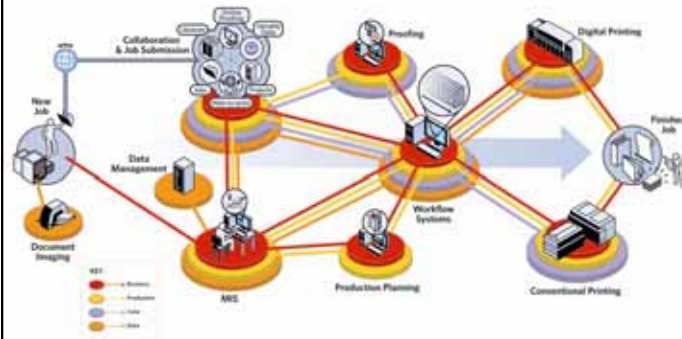
Pandora Step-and-Repeat Software

- Can export a populated JDF layout for use with Prinergy or other workflows

EMS Business Software

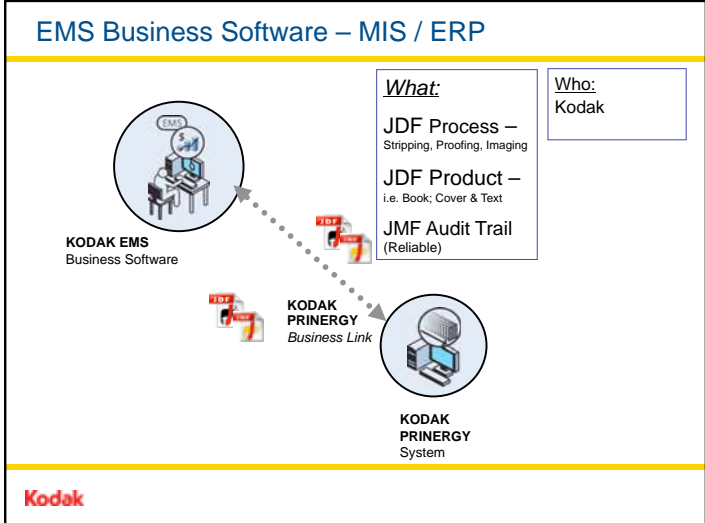
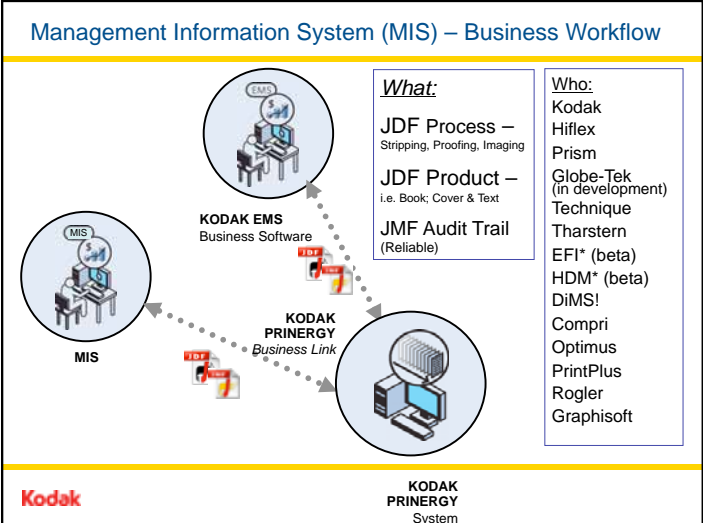
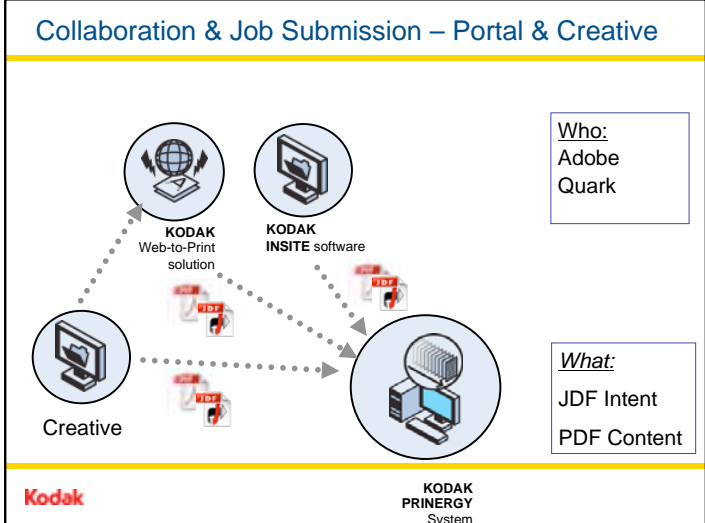
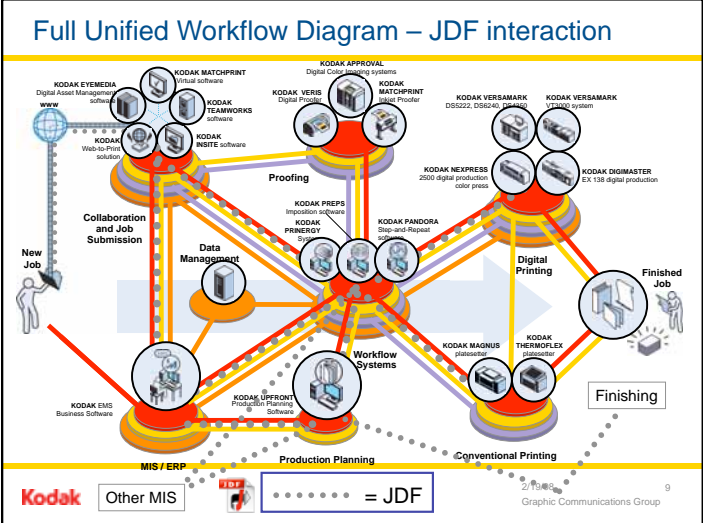
- Can export JDF Job Intent information to UpFront
- Can create Jobs in Prinergy and Preps with reference to an existing Preps template
- Can track labor and material transactions via Prinergy Business Link Software

Unified Workflow - Explanation

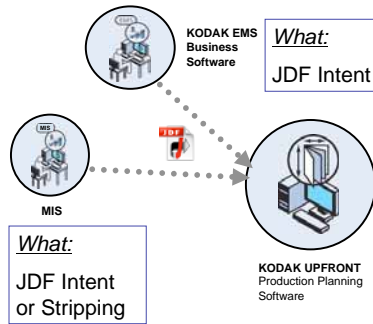


Unified Workflow – Kodak Product Portfolio





UpFront Software – Production Planning

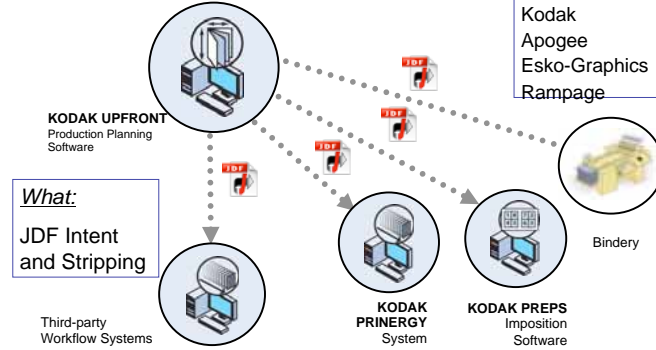


Who:
 Kodak
 CERM
 EFI
 EPMS
 Heidelberg
 Hiflex
 Olive
 Optichrome
 Pace
 Printplus
 Prism
 Shuttleworth
 Technique
 Tharstern

Kodak

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UpFront Software - Production Planning



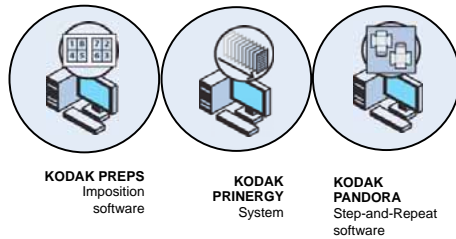
Who:
 Kodak
 Apogee
 Esko-Graphics
 Rampage

What:
 JDF Intent
 and Stripping

Kodak

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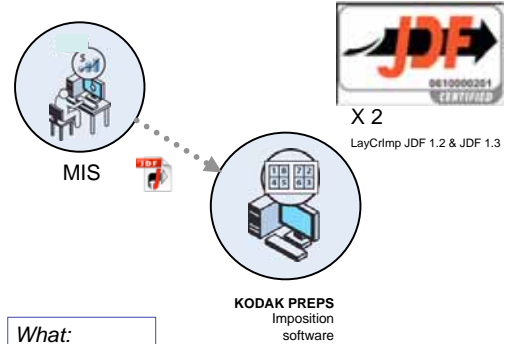
Prepress - Workflow Systems



Kodak

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Kodak Preps – Imposition Software



Who:
 Hiflex
 Technique
 Tharstern
 Cerm
 Optimus
 PrintPlus
 ePace
 Gamsys
 Heidelberg
 Novavision
 Prism
 Shuttleworth

What:
 JDF Stripping

Kodak

Kodak Preps – Imposition Software

Who:
Global Graphics
Rampage
Screen
HDM
AGFA
FFEI
Artwork Systems

Other Prepress Workflow Solutions

Finishing (own slide)

KODAK PREPS
Imposition software

KODAK PRINERGY
System

What:
JDF Layout

Kodak

Kodak Prinergy – Prepress Workflow System

MIS - Business Link

Planning - UpFront

Imposition - Preps

Step & Repeat - Pandora

KODAK PRINERGY
System

Digital Print

Conventional Print

Kodak

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Kodak Pandora – Step & Repeat Software

KODAK PANDORA
Step-and-Repeat software

KODAK PRINERGY
System

What:
JDF Layout

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Press - Conventional Printing

KODAK PRINERGY
System

KODAK PRINERGY
PrintLink

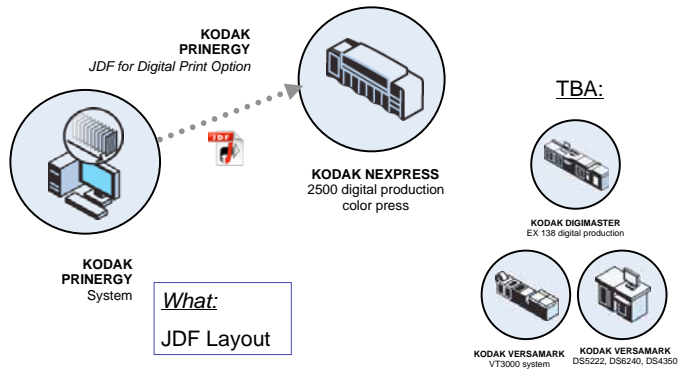
What:
JDF Ink key

Who:
MAN Roland
KBA
Mitsubishi
Komori
GOSS
Ryobi
HDM

Kodak

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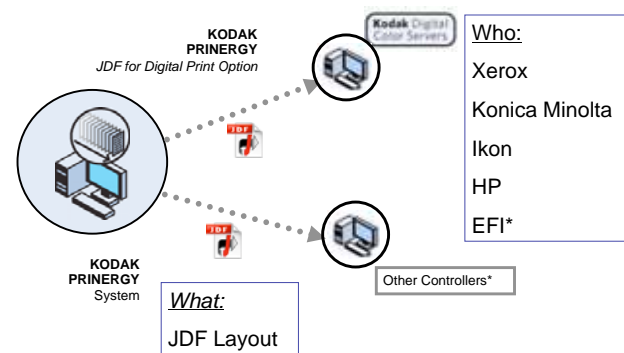
Press - Digital Printing (Kodak)



Kodak

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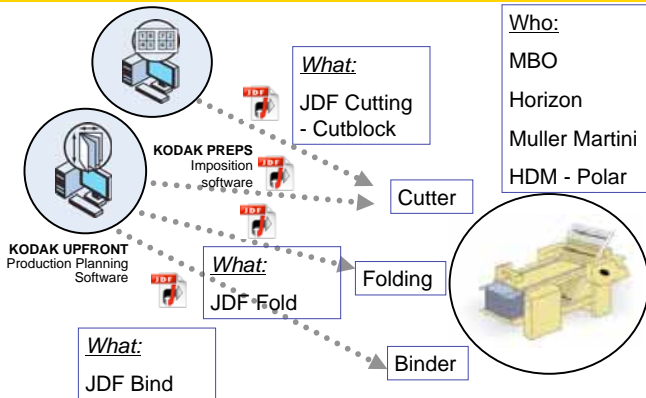
Press - Digital Printing (Others)



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Postpress – Finishing: Cutting, Folding, Binding



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