

HEIDELBERG

Print functions

7 6 5 4 3 2 1

Press start

Progression

Add devices for using / connecting

Prinect Integrated Workflow

RYERSON UNIVERSITY

**JDF 101 Education Event**  
**Ryerson University**

February 19, 2008  
 James J. Mauro  
 Prinect Product Management  
 Heidelberg USA, Inc.

Original CIP4

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**JDF Workflow Philosophy**

- The COMPLETE workflow must be unified and integrated
  - From Estimate to Delivery
  - Not separated between prepress, press, and postpress

Prinect

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**Prinect: Implementation of JDF Philosophy**

- Prinect is...
  - A family of integrated workflow components that are
    - Modular, Scalable, Open
    - Based on industry standards:
      - JDF, PDF, CIP4-PPF

**Prinect = INTEGRATION**

Prinect

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**Prinect spans MIS, Prepress, Press, and Postpress**


Prinect



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### Workflow System

- JDF is used to generate a prepress workflow sequence
- Imposition uses JDF to select or automatically generate layout
- The RIP generates proofs, plates, and data to calculate Ink zone coverage values




Prinect 9

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### Pressroom Manager

- JDF Integration with the Pressroom
  - Central Production system for all presses
  - Connection to MIS
  - Press Presetting
  - Press Status
  - Job Status



Prinect 10

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### Send preset data to the press

- All data is transferred to the press to preset the feeder and delivery systems, as well as all sheet-related parameters throughout the press
- What is preset on the press???



Prinect 11

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### What can automatically be preset on the press?

- Customer Name
- Job Name
- Job Ticket Number
- Perfecting or Straight Printing
- Runlength, incl. waste
- Unit Allocation
- Ink Key presets, all units
- Sweep setting, all units
- Oscillation setting, all units
- Characteristic curve selection
- Printing Speed
- Pre-Inking preset
- Paper Name
- Sheet width
- Sheet length
- Position of side-lays
- Air suction settings in feeder
- Air settings in delivery
- Dryer settings
- Pressure in the printing NIP, all units
- More...

Prinect 12

**Production Data Collection**


- Production Data is delivered directly to Pressroom Manager
  - Via network connection



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**Integrated JDF System – Overall Job Tracking**

- Check complete job/workflow status
  - Prepress, Press, Postpress



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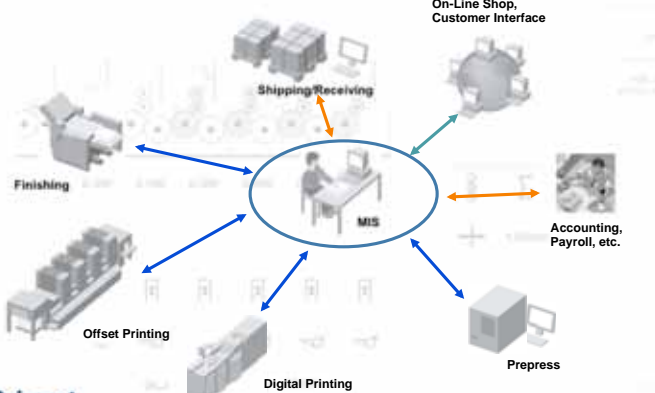
**Data Collection and Cost Analysis**

- Production Data from prepress is delivered to MIS via JDF-enabled Integration System
  - Proof count and completion alert
  - Plate count and completion alert
- Press production data is delivered for continuous monitoring and final cost reporting and analysis

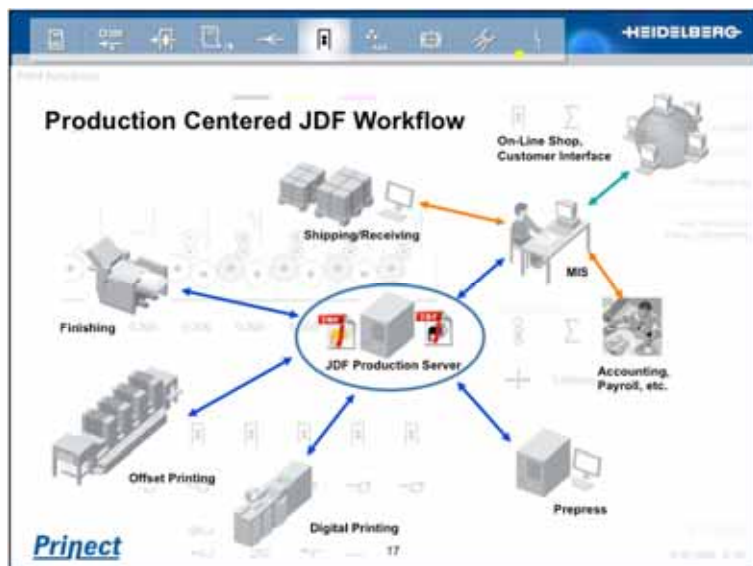


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**MIS Centered Workflow**



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The image shows a Heidelberg control panel interface. At the top, it features a toolbar with icons for 'Color', 'Print', 'Stop', 'Home', 'Back', 'Forward', 'Refresh', and 'Help', along with the 'HEIDELBERG' logo. Below the toolbar, there are 'Print functions' including a row of buttons numbered 7 to 1, a 'Print start' button, a 'Progression' button, and an 'Add sheets for every stamping' button. A large 'H' is displayed on a blue background with 'RYERSON UNIVERSITY' text to its right. Below this, the text reads: 'A founding member and full supporter of the CIP4 Organization'. At the bottom, there is a CIP4 logo with the website 'www.cip4.org' and the 'HEIDELBERG' logo.