

Prinect Digital Print Manager & Prinect DFE



International Prinect User Days 2016
Prinect Product Management | November 2016

The screenshot displays the Prinect Digital Print Manager software interface. At the top, the menu bar includes File, Edit, View, Job, Tools, and Help. The main window shows a job overview for 'Broschüre' (Number: 16-17162) with 40 pages. A 'Profile Customization' dialog box is open, displaying a graph of color profiles and settings for 'isotype1.icc'. The main workspace shows a preview of a brochure page with a grid of images and text. The right sidebar contains 'PagePrint' settings, including color spaces (ISoCoated_v2_eci.icc, GrayISOcoated_v2_eci.icc, HDM sRGB Profile.icm) and embedded profiles (CMYK, RGB, Gray). The bottom status bar shows 'Job Notes' and 'Digital Printing Terminal'.

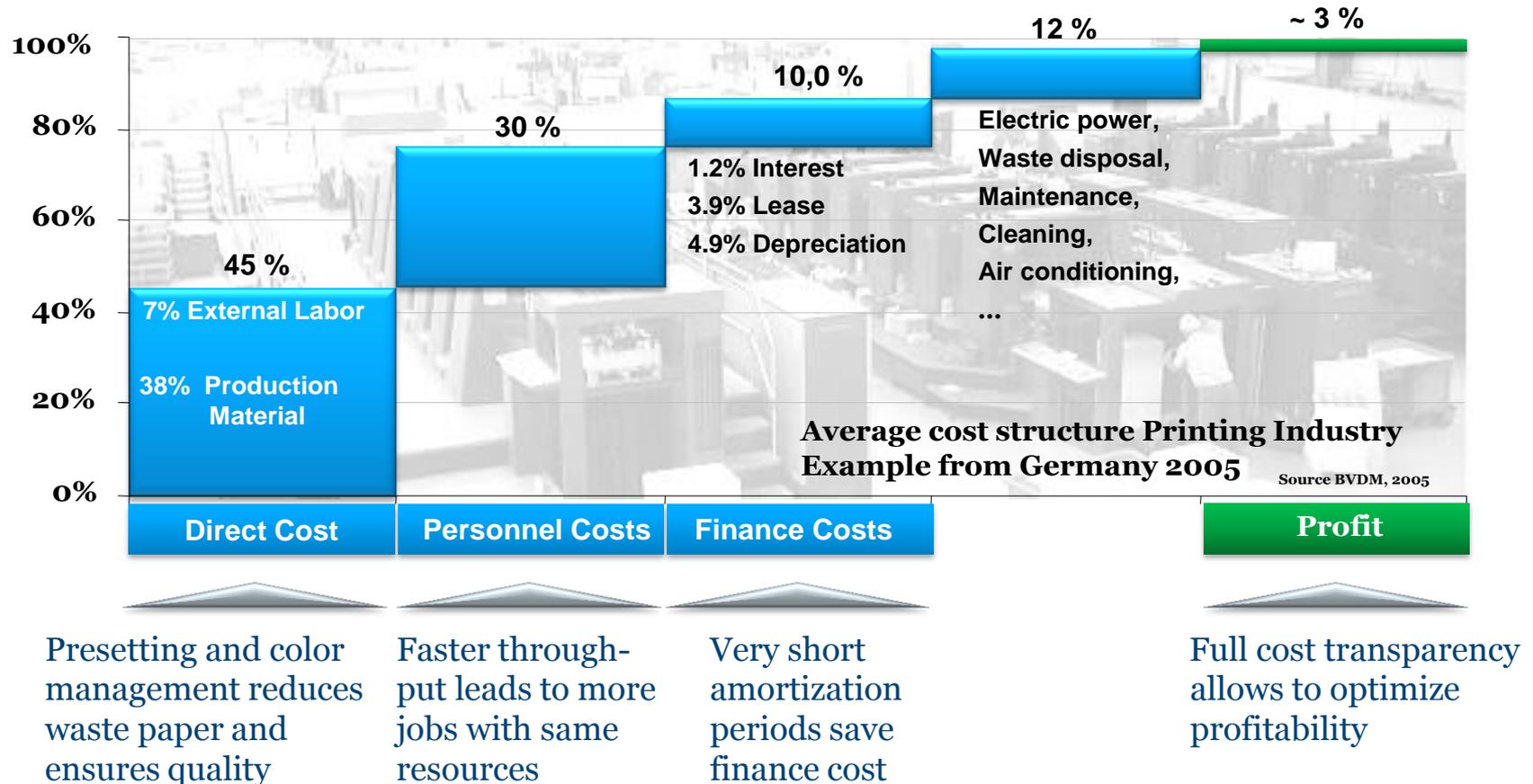


Agenda

- What is driving us? Digital Printing Business Principles
- Supported Workflows
- Product Landscape
- Prinect DFE
- Live Demo



Profitability is a challenge for commercial printers



Running Business Successfully



Business Innovation

Business Opportunities

1. Short run jobs
2. Print on demand
3. Personalized jobs
4. High Versatility
5. High Print Quality

Print Engine

Operational Excellence

Operational Excellence

1. Heidelberg Color Management
2. Heidelberg Renderer Technology
3. WYSIWYG - Soft Proofing
4. Automation of Production Tasks
5. Flexible Job Planning
6. *Maximal Overall Equipment Effectiveness*

Prinect DFE

Print Shop Manager



Prinect DFE – Operational Excellence

Overall Equipment Effectiveness (OEE) indicators are measures of success, combining all areas which influence productivity into one index.

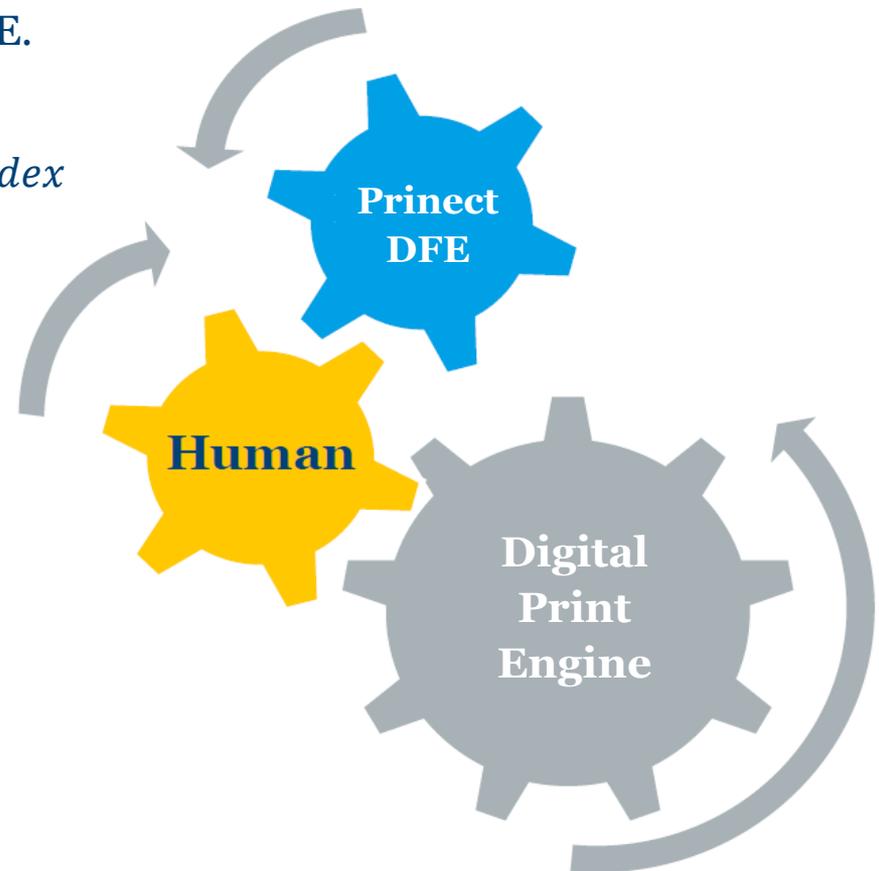
Prinect DFE features are directed to optimize OEE.

$$OEE = \text{Time Index} \times \text{Speed Index} \times \text{Quality Index}$$

$$\text{Time Index} = \frac{\text{Printing Time}}{\text{Available Time}}$$

$$\text{Speed Index} = \frac{\text{Average Running Speed}}{\text{Maximum Running Speed}}$$

$$\text{Quality Index} = \frac{\text{Net Impressions}}{\text{Gross Impressions}}$$





Prinect DFE – Operational Excellence

Utilizing OEE as key indicator to maximize output and / or minimizing efforts.

Overall Equipment Effectiveness

Time Index

- Powerful Prepress Tools
- Automation of Production
- Remote Update

\times

Speed Index

- Immediate Rendering
- Heidelberg Renderer Technology
- Remote Update

\times

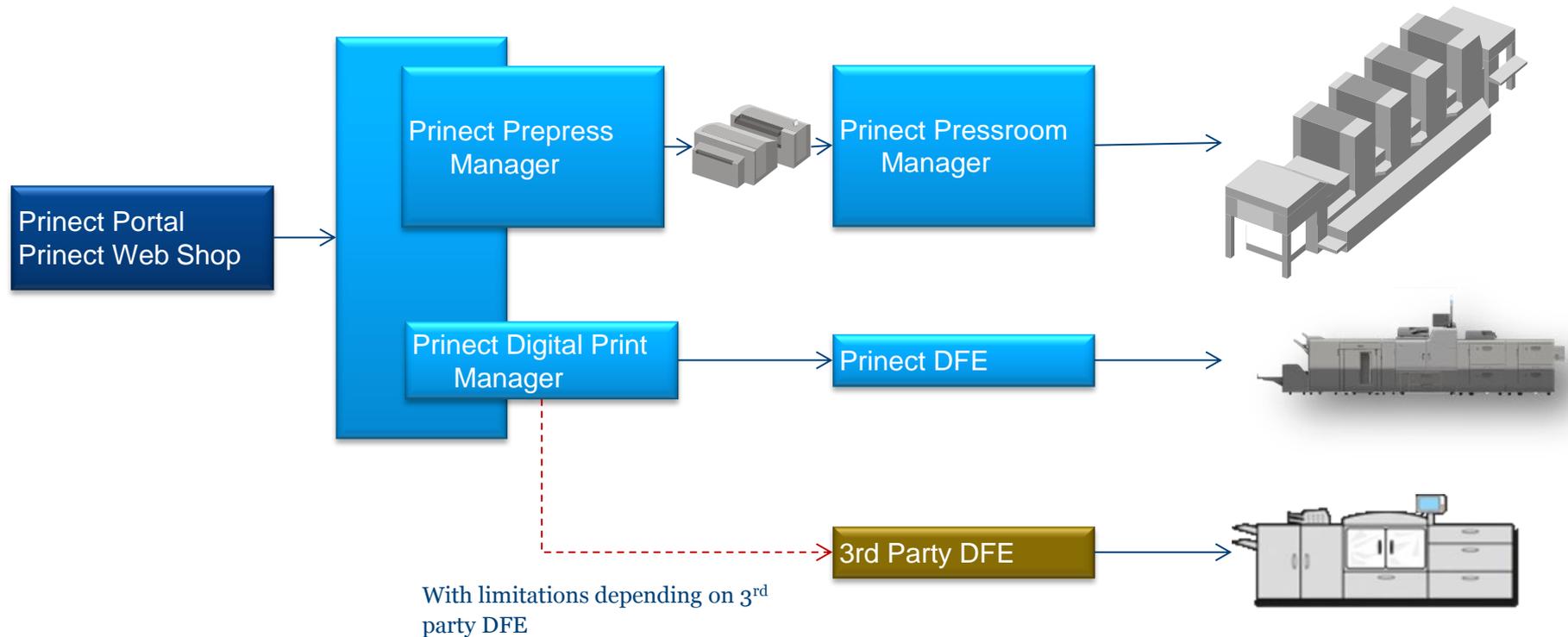
Quality Index

- Heidelberg Color Management
- WYSIWYG Soft Proofing
- Quality Consistency

Focus on cost effective industrialized digital printing
Time to concentrate on what matters

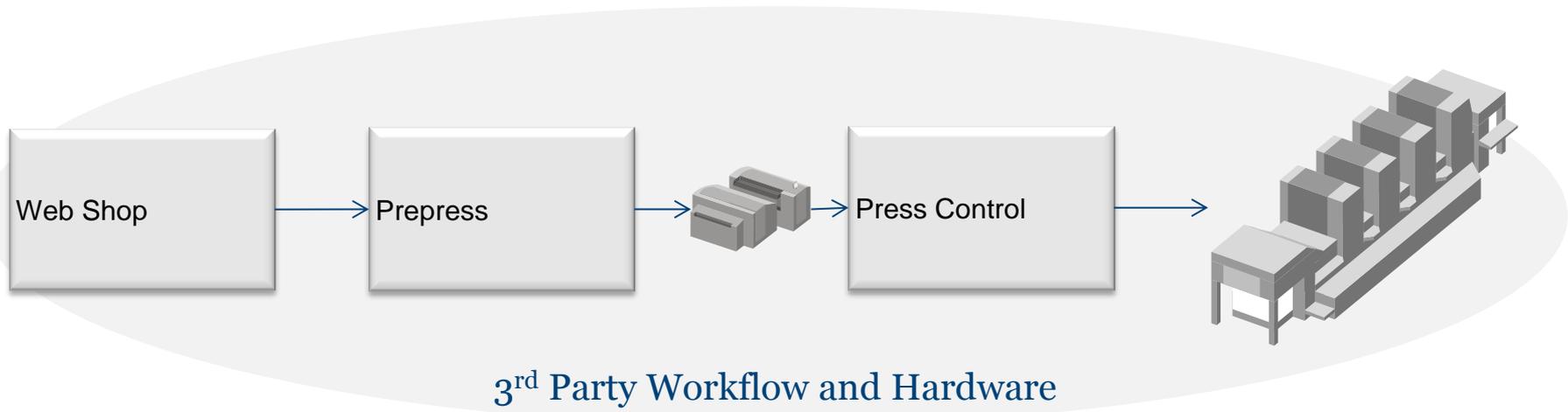


Prinect supports various paths to set up business operation within a print shop: Hybrid Workflow





Prinect supports various paths to set up business operation within a print shop: Standalone



Product Landscape DPM / DFE



Prinect DFE:

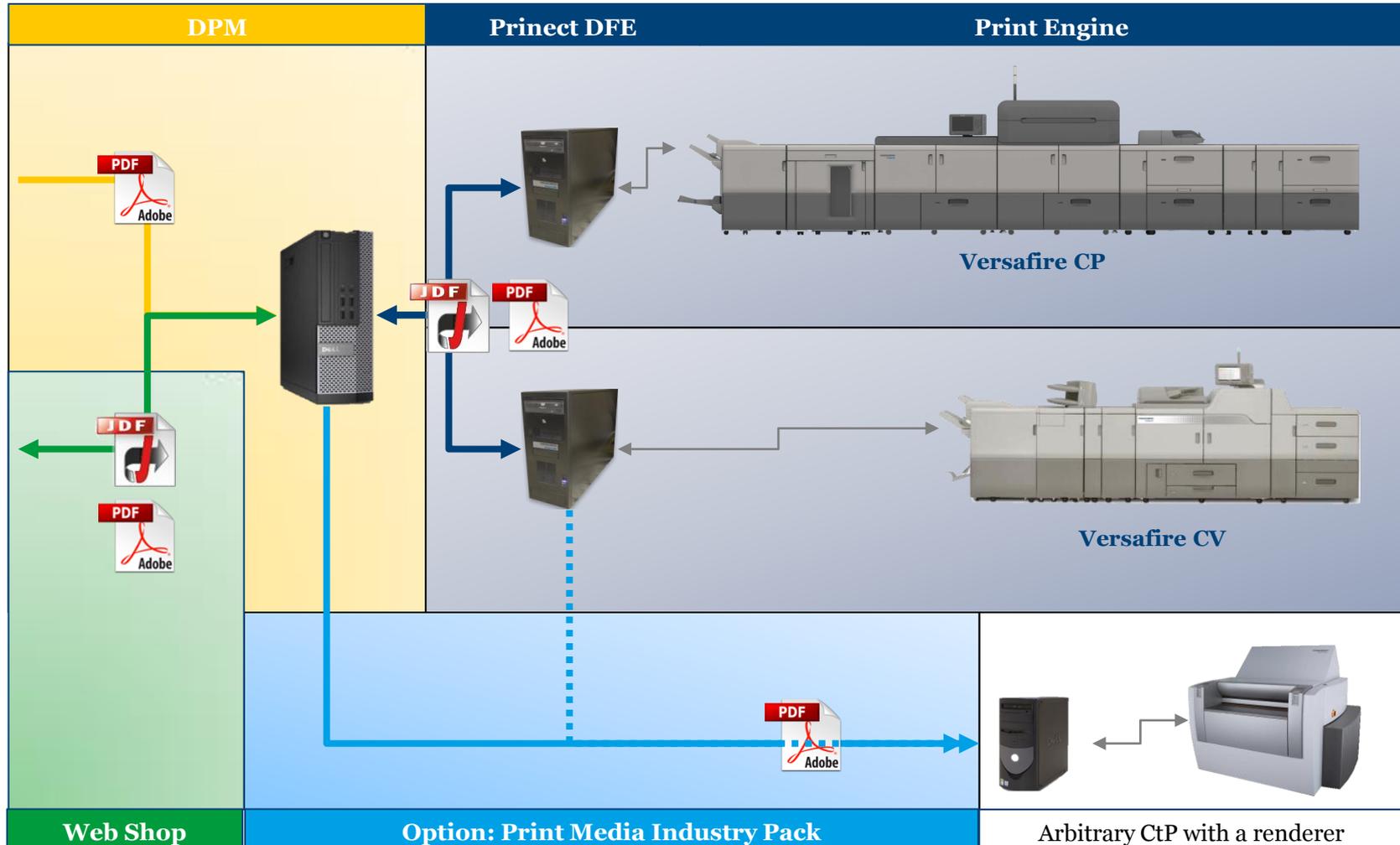
- The DFE belongs to the engine!
- In case the engine is sold, the DFE will be sold with the engine.
- The DFE is available for Versafire CP and CV engines only.

Prinect Digital Print Manager (DPM):

- The DPM belongs to the workflow!
- The DPM integrates digital front ends^{*)} of digital print engines with Prinect:
 1. Prinect DFE with Versafire CV/CP
 2. EFI Fiery with KM, Xerox, Ricoh, Canon engines
 3. HP Smartstream Server with HP engines
 4. FreeFlow with Xerox engines
 5. NexStation with Kodak / NexPress engines
 6. Generic engines

^{*)} please refer to the compatibility list

Product Landscape Digital Workflow





Prinect DFE

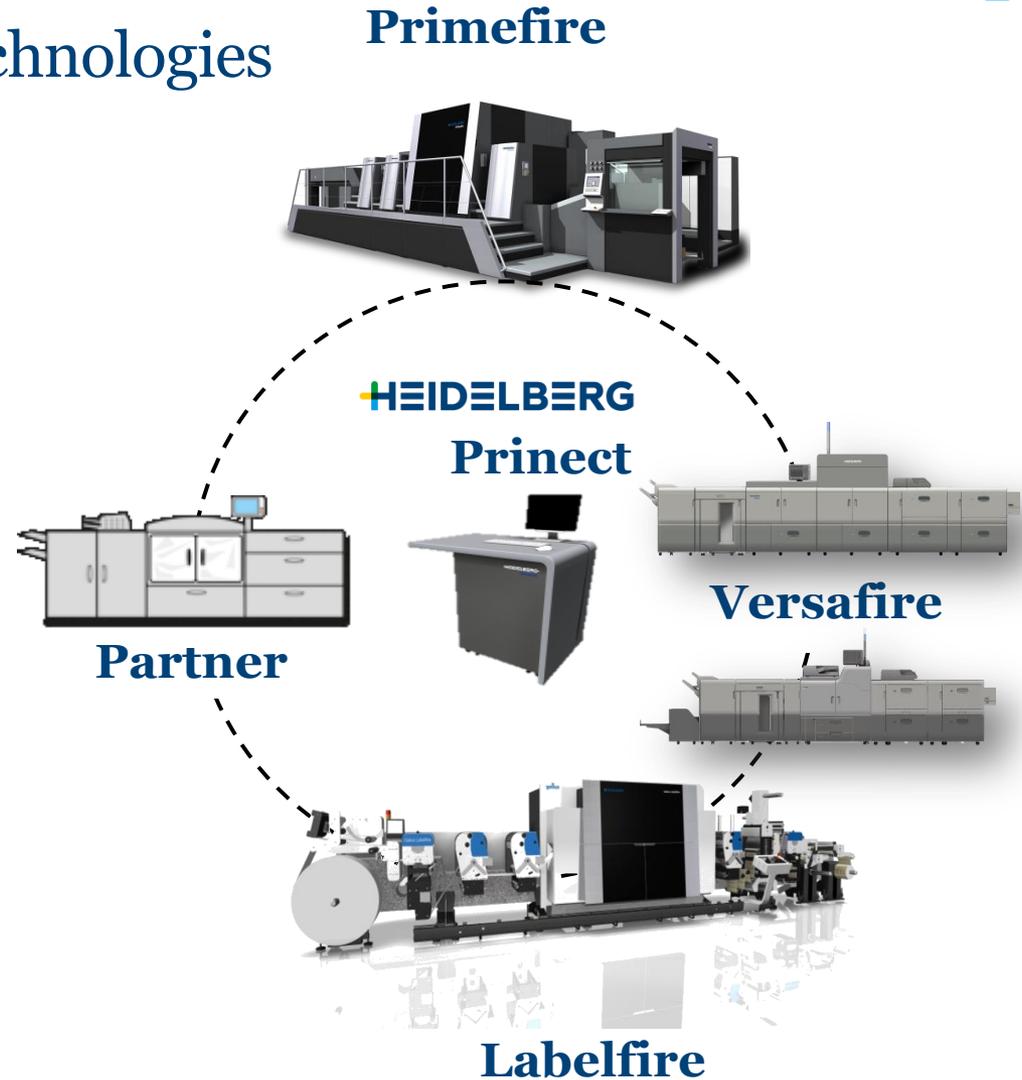
One solution for many technologies

Prinect DFE is the technology used for all digital print engines of Heidelberg:

- **Labelfire:** Inkjet, web
- **Versafire:** Toner, cut sheet
- **Primefire:** Inkjet, cut sheet

Prinect DFE is customizable for different market segments:

- **Label Printing**
- **Commercial Printing**
- **Packaging**



Benefits Prinect DFE



Industrialized digital print production focus:

Covering major market segments **Commercial Printing / Graphic Arts, Label and Packaging**

1

Heidelberg Renderer Technology

2 Ensuring increased stability, speed and higher print quality



New Opportunities:

3 Technology is available for all kind of production devices. Able to drive new options (coating, white, etc) or more colors opening up new market opportunities

Integration with Prinect:

On central workflow 7 driving Heidelberg digital and offset presses

Flexibility:

Powerful tools to manage complex PDF documents. Features customization.

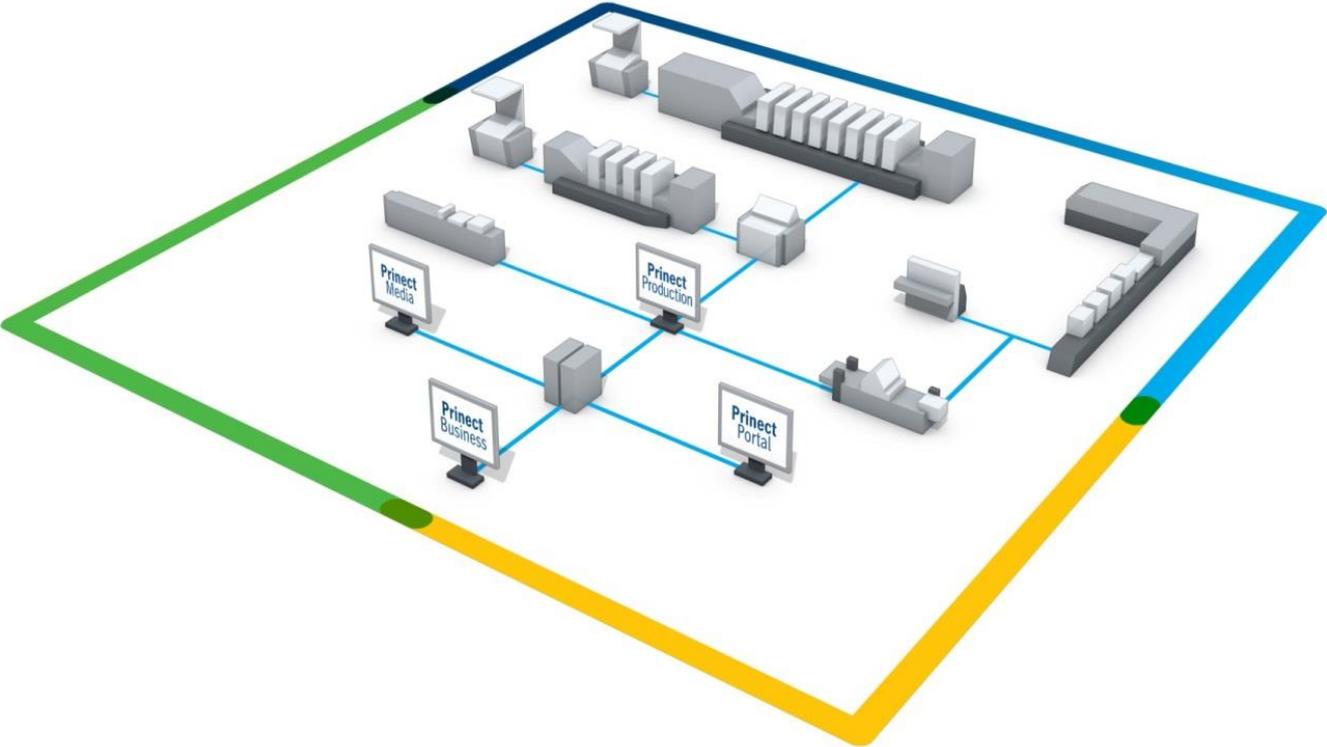
Heidelberg Color Management:

Guarantees consistency and reliable colour reproduction in comparison with offset standards

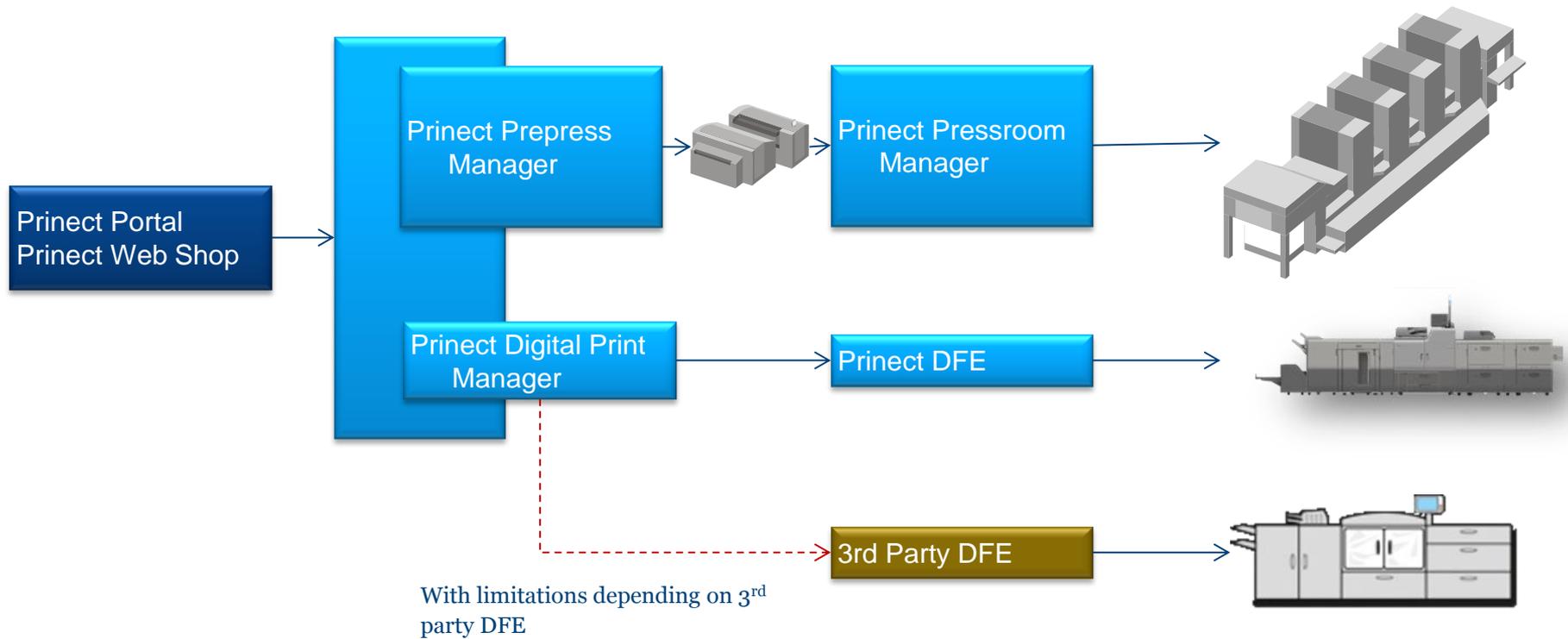
Make Ready:

4 Standardization and Automation of labour intensive documents

Live Demo



Live Demo: Combined Workflow





Live Demo: Combined Workflow

3: Workflow
Combined Printing

Prinect Prepress Manager
Signa Layouts



2: Workflow
Digital Printing

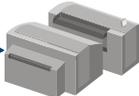
Prinect Digital Print Manager

1: Features
DPM/DFE



3rd Party DFE

With limitations depending on 3rd
party DFE



PRM

