Information and analysis for newspaper printing

MPS Inform

- Long-term storage of production data
- Extensive range of data analysis functions
- Multisite capability
- Optional "Maintenance Module" for the planning of all press maintenance work
MPS Inform provides a wide range of standard analyses and reports, but also allows the user to define their own versions. Relevant production data are transferred from the press management system, MPS Production, to MPS Inform after each production. This brings two major advantages: firstly, the size on the database on the live production system can be kept relatively small as MPS Inform acts as the long-term archive. Secondly, by transferring the data to MPS Inform, extensive analysis functions can be run on the production data without having any negative effect on the reaction times of the live production system.

**Standard reports and functions**
The standard reports and analysis functions fall into there main categories: production reports, event analysis and consumption reports. The category production reports includes the following functions:  
- Production runs summary  
- Print product summary  
- Run details  
- Waste details  
- Daily summary of productions runs  
- Weekly summary of productions runs  
- Waste summary

The following functions are available for analyzing the events on the press:  
- Stops  
- Press events (search, selection & analysis)  
- Messages from control console  
- Messages: daily summary  
- Messages: frequency per press

The consumption reports can be used for accounting purposes and include the following:  
- Ink and plate consumption  
- Paper consumption per run  
- Daily paper consumption  
- Print product structure

It should be noted that ink consumption cannot be measured directly but is based on an algorithm.

**User-specific analysis functions**
MPS Inform includes a front end based on Microsoft Access. This provides the user with an easy to use but very powerful tool for analyzing the data in MPS Inform's database in whatever way the user chooses.

**System management**
MPS Inform includes all the necessary system management functions such as backing-up data and managing user access rights.

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**Example Production**

**Waste Summary**

<table>
<thead>
<tr>
<th>ABB Printing Plant</th>
<th>Runs Waste Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selection Criteria</td>
<td>Issue Date: Issue: *</td>
</tr>
<tr>
<td></td>
<td>From: 2018-10-15 To: 2018-10-31</td>
</tr>
<tr>
<td></td>
<td>Testruns excluded</td>
</tr>
</tbody>
</table>

**Anteile Netto und Maku Exemplare**

- Net Copies: 4,82
- Waste: 95,08

**Aufteilung der Makulatur**

- Proof copies: 61%
- Clean-up: 7%
- Start-up: 2%
- Printing: 28%
Optional Maintenance Module

MPS Inform has an optional extension for managing the maintenance work that has to be done on and around the press. The list of the required maintenance work is stored in the database. Typically, some of this work is scheduled on a calendar basis, but many items of maintenance work depend on the hours of operation or the number of revolutions of the relevant component. For this reason MPS Inform maintains automatic counts of the use of these press components, and these counters are reset when the maintenance work has been carried out.

Other features of the Maintenance Module include:
- Well-structured overview of maintenance jobs; color-coding of not assigned, overdue, important and planned maintenance jobs; display of the expected time, duration and personnel required
- Filtering and sorting functions for the selected display of relevant data
- Time-saving entry of maintenance data
- Manual input of specific maintenance jobs when disturbances occur
- Log for monitoring completed maintenance work
- Integration with Microsoft Project for drawing up individual maintenance schedules for the personnel required

Optional Roll Track module

The optional Roll Track module is a complete tracking system that provides information on which rolls were used for which production. This data is used to provide a wide range of detailed statistics including:
- Paper consumption per edition
- Rolls used per production run
- Number of web breaks per 1000km per manufacturer, grammage and cause

A detailed description of the functionality of the Roll Track module can be found in the brochure “MPS Roll Handling”.

Example of a summary of events

Example of consumption data

Example overview of maintenance work with filtering criteria (top right), the list of the work due (lower right) with the color-coding of the different types of work, and the detailed information for the selected item (lower left)