



MPS Inform
Information and analysis for
newspaper printing

The analysis of production data is an essential source of management information and provides the basis for quality improvements and process optimization. MPS Inform is a well-proven tool for the analysis of production data from newspaper printing at one or more sites. It provides a wide range of standard analyses and reports, but also allows the user to define their own versions.

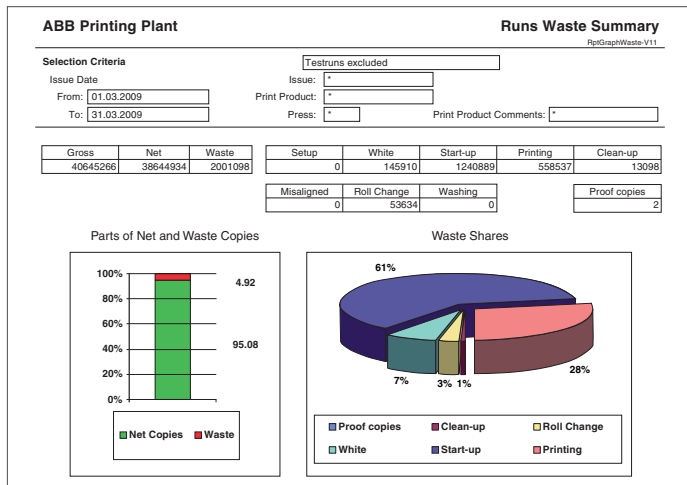
Relevant production data is transferred from the press management system, MPS Production, to MPS Inform after each production. This brings two major advantages: firstly, the size on the database on the live production system can be kept relatively small as MPS Inform acts as the long-term archive. Secondly, 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 three 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



Example Production Waste Summary

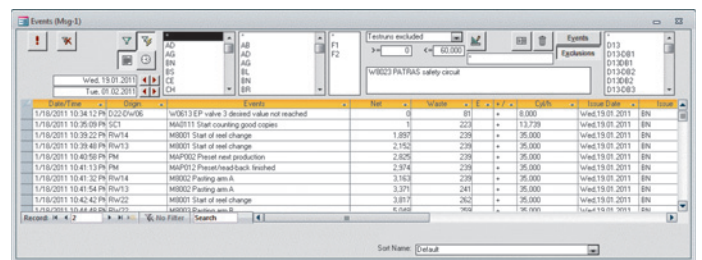
The following functions are available for analyzing the events on the press:

- Stops
- Press events (search, selection & analysis)
- Messages from control console
- Messages: daily summary
- Messages: frequency per press

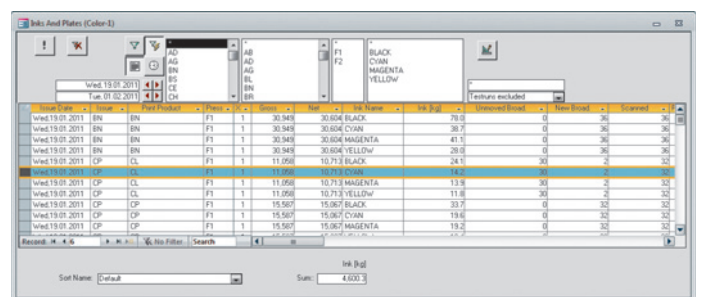
The consumption reports can be used for accounting purposes and include the following:

- 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.



Example of a summary of events



Example of consumption data

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 Oracle 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.

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 1000 km 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".

ABB Printing Plant Baden
Complete Production Summary

RPSProductionComplete.v11

Production Data

Date	Newspaper	Edition	Press
Do. 24.06.2009	W	1 Mail/State	F1

Planned Copies	Production Mode	Straight
41000		

Structure	Pages	34
B10.B8.B6.B10		

Basic Imposition	4c--4c--4c1c4c--3D--2C--4D14D4D=D-D-DIDD=1234=00

Plate and Ink List For The Production

Ink Name	Normal	Center Spread	Ink consumption [kg]	Blind Plates
Black KM	68	0	107.7	38
Cyan KM	46	0	18.5	
Magenta KM	48	0	21.5	
Yellow KM	48	0	22.4	

Production Run Data Run: 0

	Planned	Actual	Dev.
Preset	23.06.2009 22:30:00	23.06.2009 20:43:10	-01:46:50
Proof	-	23.06.2009 23:37:44	-
Start prod.	23.06.2009 23:30:00	23.06.2009 23:43:45	00:13:45
Print end	24.06.2009 00:15:00	24.06.2009 00:16:22	00:01:22
End Production Run	24.06.2009 00:30:00	24.06.2009 00:25:11	-00:04:49

	Circulation	Speed ex/h	Machine Usage Time	Printing Time
	41000	36400	-4600	
	54666	58168	3502	
	02:00:00	03:42:01	01:42:01	
	00:45:00	00:38:38	-00:06:22	

Gross	Net Copies	Waste
37454	36400	1054
	97.19%	2.81%

	White	Start-up	Printing	Clean-up	Proof copies
	116	838	211	-111	0
	11.01%	79.51%	20.02%	-10.53%	0.00%

Paper Consumption Per Run

Reelstand	Paper Make	Thickness (mm)	Weight (g/m2)	Used length (m)	Used (kg)	Reel Width
R01	hansol	0.1	46	17978	992	3/4
R03	hansol	0.1	46	17978	662	1/2
R05	hansol	0.1	46	17978	1323	4/4
R06	hansol	0.1	46	17978	1323	4/4
R07	hansol	0.1	46	17978	1323	4/4

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)

Example log of all maintenance activities performed

MPS Inform

The key features at a glance

Long-term storage of production data in an Oracle database

Extensive range of data analysis functions

Microsoft Access front end so that users can define their own reports etc.

Flexible system architecture with either a standalone system or a client/server configuration

Provision for access to the database data by third-party systems

Multisite capability

Optional "Maintenance Module" for the planning of all press maintenance work

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